Dayanand Education Society's

Dayanand Science College, Latur, Maharashtra, India.

Self Study Report

For

Re-Accreditation

Submitted To

**The Director,
National Assessment and Accreditation Council,
P.O.Box 1075, Nagarbhavi,
Bangalore-560072, Karnataka (India)**

By

Principal

**Dayanand Science College, Latur,
Maharashtra, India.
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Institution Track Id: MHCOGN10815

JANUARY - 2014

"आ नो भद्रा क्रतवो यन्तु विश्वतः"

"Let the Noble thoughts come to us from all the directions of the universe"

CELEBRATING GOLDEN JUBILEE PROGRAMME – 1 JUNE 2013

In presence of

1. **Hon. Pranab Mukharjee** (President of India)
2. **Hon. K. Shankarnaryan** (Governor of Maharashtra)
3. **Hon. Shivraj Patil Chakurkar** (Governor of Punjab)
4. **Hon. Prathviraj Chavan** (Chief Minister of Maharashtra)
5. **Hon. Rajesh Tope** (Minister of Higher Education Maharashtra)
6. **Hon. Rajendra Darda** (Minister of Education Maharashtra)
7. **Shri. Laxmiraman Lahoti** (President of Dayanand Education Society, Latur)
8. **Shri. Arvindrao Sonwane** (Vice - President of Dayanand Education Society,Latur)
9. **Shri. Rameshchandra Biyani** (Secretary of Dayanand Education Society, Latur)

MAIN GATE

Campus

INNER VIEW

LIBRARY

GARDEN

PLAY GROUND

AUDITORIUM

GOLDEN JUBLEE PROGRAMME

READING ROOM

GIRLS HOSTEL

COMPUTER LAB

STUDENTS PARKING

CLASSROOM

DIGITAL CLASSROOM

MAP OF INSTITUTION

Lay out Plan for Dayanand Science College, Latur.

Total Area of Campus - 22.19 Acers.

Scale: 1000.

INDEX

1) 1 – gate-1.
2) 2 – auditorium building.
3) 3 – institute building.
4) 4 – NCC store room.
5) 5 – NSS store room.
6) 6 – Sports store room.
7) 7 – Canteen.
8) 8 – Tennis Court.
9) 9 – Dayanand suvidha kendra.
10) 10 – Reading room.
11) 11 – Parking-1-Student.
12) 12 – Parking-2-stop.
13) 13 – Play Ground.
14) 14 – Dayanand science College main building
15) 15 – College staff Student entry gate1
16) 16 – College staff student entry gate2
17) 17 – College student gate3
18) 18 – Library Building.
19) 19 – Library Reading room.
20) 20 – Girl's Hostel.
21) 21 – Girl's Canteen.
22) 22 – Botanical Garden.
23) 23 – Boy's Hostel.
24) 24 – staff Canteen.
25) 25 – Indoor Stadium.
26) 26 – Cricket Stadium.
27) 27 – Water Weel.
28) 28 – Water Harvesting Tank.
29) 29 – Parking.
30) 30 – Gate2
31) 31 – Gate3
32) 32 – Gate4
33) 33 – Gate5
34) 34 – Gate6
35) 35 – solid weaste management project.

CONTENTS

Dayanand Education Society's

Dayanand Science College, Latur, Maharashtra, India.

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IQAC Committee

Sr. No.	Name	Nomenclature
1.	Dr. J. S. Dargad	Chairman
2.	Prof. M. B. Deshmukh	Vice-Chairman
3.	Shri. Laxmiraman Lahoti	Member from the Management
4.	Shri. Ramesh Biyani	Member from the Management
5.	Shri. Suresh Jain	Member from the Management
6.	Prof. K. N. Rathod	Advisor
7.	Dr. S. S. Bellale	Co-ordinator
8.	Dr. L. V. Thakre	Additional Co-ordinator
9.	Dr. C. S. Swami	Member from the Teachers
10.	Dr. R. V. Solunke	Members from the Teachers
11.	Prof. Y. P. Sarnikar	Member from the Teachers
12.	Prof. M. M. Pandit	Member from the Teachers
13.	Shri. Sudhir Tiwari	Administrative Officer
14.	Adv. Sanjay Pande	Nominee from Alumni
15.	Prof. M. R. Patil	Nominee from local society
16.	General Secretary	Student Nominee (Students Council)

NAAC Steering Committee

Sr. No	Name	Nomenclature
1.	Dr. J. S. Dargad	Chairman
2.	Prof. M. B. Deshmukh	Vice-Chairman
3.	Prof. K.N. Rathod	Advisor
3.	Dr. S. S. Bellale	Co-ordinator
4.	Dr. R.V. Solunke	Add. Co-ordinator
5.	Dr. C. S. Swami	Member
6.	Prof. Y. P. Sarnikar	Member
7.	Dr. Mrs. R.V. Kirtane	Member
8.	Dr. L.V. Thakre	Member
9.	Prof. Miss. M.M. Pandit	Member
10.	Dr. V.A. Chaudhari	Member

Principal's Message

It is with great and immense pleasure that I present the Self Study Report (SSR) of our college to the National Assessment & Accreditation Council (NAAC), Bangalore for Re-accreditation. In 1961, under the umbrella of Dayanand Education Society Dayanand Arts, Commerce & Science College started and in 1967 Arts, Commerce and Science streams were bifurcated in three separate wings with a separate Dayanand Science College established. Recently our Institute celebrated its golden jubilee year by organizing series of functions and events with closing ceremony in the auspicious presence of President of India, his Excellency Hon. Mr. Pranab Mukharjee. After the first accreditation of our college, our Internal Quality Assurance Cell implemented diversified activities to address the various quality related issues during the post Accreditation years. We have implemented multi - dimensional activities to enhance and enrich our academic practices.
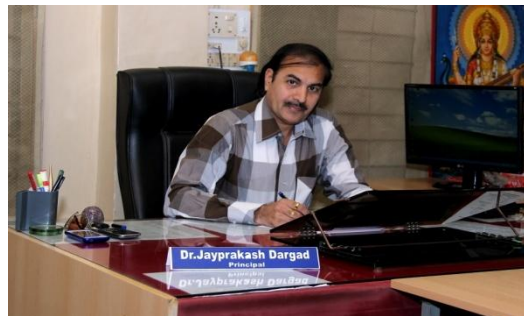
The college has completed with almost every recommendations made by the Peer Team at the time of first cycle of accreditation in 2004. In the year 2012 College has received the prestigious DST-FIST recognition. We are trying sincerely to reach the world of excellence by improvising our innate qualities, adopting innovative ideas, acquiring new skills, implementing new techniques and better understanding of our strengths and weaknesses. We keep on searching, renewing, expanding and attempting to be ever relevant as per the changing situations of the times. We hope to conceive and start with new initiatives to take this Institute to its next level in the next decade and will help to join the league of the truly great institutions. Integrated efforts and positive approach will lead us towards the 'Total Quality', our ultimate destination. This report is the synergic outcome of all the organs of our College. It is rather difficult to quote the contribution of each and every organ of the college. The NAAC Coordinator Dr. S. S. Bellale along with steering committee members worked hard and taken lot of efforts to prepare this SSR. I appreciate the cooperation put in by the management and other members of the staff for this collaborative and collective venture with an open heart. I hope this report will find criteria wise worthy and believe to justify our sincere endeavor.

Dr. Jaiprakash S. Dargad

Principal

Executive Summary:

1.　　The few words about the trust and the Institution:

It was fifty two years ago, when the leading citizens from the different fields of life of Latur area, namely: Shri. Manikraoji Sonavane, Shri Chandrashekharji Bajpai, Shri. Keshavraoji Sonavane, Shri. Ramgopalji Rathi, Shri. Nathmalji Inani, Shri. Shantilalji Shah and Shri. Madanlalji Biyani, recognized the importance of higher education in order to achieve the overall progress and prosperity of the region. These dignitaries came together and decided to start a college in Latur. As many of them were followers of "Arya Samaj', they proposed the name of Swami Dayanand for the education society. Hence, the name**"Dayanand Education Society"**. The modest beginning was the foundation of Dayanand College of Arts, Science and Commerce Latur, in the year 1961. In 1964, the inclusion of Late Shri Raja Narayanlalji Lahoti in the society, gave enormous moral support to the development of the society. The society has now made such a rapid progress with the establishment of three separate single faculty colleges by the society.

It was felt by the Society to offer quality education in science to the students of this rural area. Therefore Science College was separated with an independent status as "Dayanand Science College, Latur" in the year 1967. This proved to be a milestone in the development of science education of the region. Under the able and dynamic leadership of Principal K.H. Purohit, the college made outstanding progress. Now "Dayanand Science College, Latur" is one of the well-known and reputed Science Colleges in Maharashtra State. Initially, the college offered under graduate (UG) course with the basic subjects like Physics, Chemistry, Mathematics, Botany and Zoology. Keeping the pace with time and sensing the needs of the students, applied subjects like Industrial Chemistry, Microbiology, Fishery Science and Electronics were introduced in the year 1978-79. The year 1977 saw us through a wonderful achievement viz. a separate new building of Science College was constructed to accommodate class rooms. The new building was inaugurated at the auspicious hands of the then Vice-President of India Hon. Shri. B.D.Jatty. Being a single faculty science college having long standing establishment, the Management, Ex-Principal Dr. G.M. Deshmukh and staff gave a serious thought to introduce post graduate (PG) courses in Physics, Chemistry, and Microbiology in 1992. Introduction of PG courses benefited UG students of this area, because at that time Physics and Chemistry courses were run at the University level only and Microbiology course was run by the Government Institute of Science, Aurangabad. The introduction of these PG courses accounted to the vertical growth of our college. During the same period, the Computer Centre was established to impart computer education to the staff and students leading to certificate course. Journals and periodicals are available in the reading room. The college has a team of highly qualified young and long-standing experienced talented teaching staff holding Ph.D. and M. Phil. degrees. Most of the times the students topped in ranking in the University examinations both at UG and PG levels

Now Dayanand Education Society, has completed 52 years establishing one after another educational Institutes at Latur according to the growing needs of local community. With the independence status, each College is a growing up very rapidly.

Now all the independent colleges are under the umbrella of Dayanand Education Society, have got best reputation in the state. Today the trust is running the following colleges at its educational complex of 22 acres of land.

    i)   Dayanand Science Senior College
    ii)   Dayanand Science Junior College
    iii)   Dayanand Arts Senior College
    iv)   Dayanand Arts Junior College
    v)   Dayanand Commerce Senior College
    vi)   Dayanand Commerce Junior College
    vii)   Dayanand Law College
    viii) Dayanand Pharmacy College
    ix)   Dayanand College of Interior Design

Every College has its independent infrastructure and building. Near about 10,000 students are taking educations in these institutes from Junior to Senior College up to UG, PG and Ph.D. level. In this Institute nearly about 800 teaching and non-teaching staff working continuously to achieve the mission and goals of the institute. Each senior college has different additional certificate courses and Research Laboratories. All the colleges run by the trust are well-equipped, furnished fulfilling all the infrastructural needs having 24 hours water supply, sufficient light arrangements and fully qualified and experienced teaching and non-teaching staff. The managing body of the trust is very keen to fulfill the vacant posts as per reservation norms of State Government. The institute is financially competent to start new courses and programmes according to the need of the community. Hon. Chairman, Hon. Office bearers and Hon. Directors of the managing body as well as the members of the trust are dedicated to attain educational goals, having experience of running the trust for long years devoting their valuable time for the fulfillment of educational needs of the local community.

Hon. President, Vice-President, Secretary as well as members of the managing body are always having informal chats with the parents, students, non-teaching employees, teachers and office bearers and heads of the different colleges run by the trust. The purpose is to acquire the first hand knowledge and information and to take feedback on the strengths and weaknesses of the Institutes. The Institute has the huge AC auditorium, Cricket stadium; Tennis court, indoor stadium, big ladies hostel and boy's hostel with facility of Wi-Fi, Sanstha's guest's room, spacious play-ground in the campus. The Institute has provided all the infrastructural facilities like building, laboratories, library, reading room, class rooms, girl's waiting room, store room, multi-purpose hall, purified, hygienically safe and cool drinking water arrangements in each colleges. The academic map is growing fast. The results are above 90% of all the classes. The College are equipped with audio-visuals as well as reprographic and IT facilities. The staff is highly qualified devoted and dedicated to teaching, learning, research and extension work, taking teaching as not profession but mission of their life.

In the last but-one year our Institution celebrated Golden Jubilee Year by organizing different programmes and its closing ceremony programme was organized by the hands of president of India **Hon. Pranb Mukharjee, President of India**. in

auspicious presence of **Hon. K. Shankarnaryan** (Governor of Maharashtra), **Hon. Shivraj Patil Chakurkar** (Governor of Punjab), **Hon. Prathviraj Chavan** (Chief Minister of Maharashtra), **Hon. Rajesh Tope** (Minister of Higher Education, Maharashtra), **Hon. Rajendra Darda** (Minister of Education, Maharashtra) We are proud to mention that the Institute is completely free from the devastating and destructive activities like ragging, exploitation and torture to the girls as well as the female staff members, addiction to brown sugar, chorus, ganja, gurd, smoking, tobacco chewing and alcoholism etc. The College Parivar is successful to maintain communal harmony and brotherhood among the students and staff members belonging to different castes and religions. The institute has achieved much, yet it desires to go one step further in each and every academic year. We would like to quote Robert Frost's couplet which was strongly appreciated by Pandit Neharuji, our first Prime-Minister and were placed on his office table throughout his life:

> *"The woods are lovely, dark and deep.*
> *But I have promises to keep,*
> *And miles to go before I sleep,*
> *And miles to go before I sleep."*

- **Dayanand Education Institute Society:**

➢ **Teaching, Nonteaching staff and student strength at present**

Sr. No.	Name of The College	Teaching Staff	Non-Teaching Staff	Student
1.	Dayanand Science Senior College	65	81	836
2.	Dayanand Science Junior College	85	21	2814
3.	Dayanand Arts Senior College	67	20	925
4.	Dayanand Arts Junior College	22	12	1260
5.	Dayanand Commerce Senior College	27	26	1828
6.	Dayanand Commerce Junior College	13	09	986
7.	Dayanand Law College	35	18	1043
8.	Dayanand College of Pharmacy	15	27	319
9.	Dayanand College of Interior Design	05	05	26
	Total	**334**	**219**	**10037**

The institution is fully transparent in the administration. There are nearly about 192 Governing Council members, from which 28 Executive Members are elected after every 3 years. Each decision about the institute is taken commonly in the meeting. The total administration is democratic type. The President, Vice-President, Secretary are elected after every 3 years.

The Institute has got different awards at national, State level and local level. Some of the awards are as follows:

> ➢ "Dr. Babasaheb Ambedkar Dalit Mitra Puraskar"- awarded by State Government of Maharashtra.
> ➢ "Rastriya Ratna Award" – awarded by State Government of Karnataka.
> ➢ "Pragat Maharashtra Feloship Sanman"- awarded by State Government of Maharashtra.

- **The eminent persons visited to the Institution:**

Sr. No	Name
1.	Hon. Pranab Mukherjee (President of India)
2.	Hon. B.D. Jettey (Vice-President of India)
3.	Hon. Indira Gandhi (Ex-Prime Minister of India)
4.	Hon. Yeshwantrao Chavhan (Ex-Home Minister of India)
5.	Hon. Sushilkumar Shinde (Home Minister of India)
6.	Hon. Sharad Pawar (Ex-Chief Minister)
7.	Hon. Shriprakash (Ex-Governor of Maharashtra)
8.	Hon. K. Shankarnaryan (Governor of Maharashtra)
9.	Hon. Shivraj Patil Chakurkar (Governor of Punjab)
10.	Hon. Vilasrao Deshmukh (Formal president of DST)
11.	Hon. Prathviraj Chavan (Chief Minister of Maharashtra)
12.	Hon. Chagan Bhujbal (Ex-Vice-Chief Minister of Maharashtra)
13.	Hon. Balasaheb Thorat (Ex-Minister of Maharashtra)
14.	Hon. Govindrao Adik (Ex-Minister of Maharashtra)
15.	Hon. Shivjirao Patil Nilangekar (Ex-Chief Minister of Maharashtra)
16.	Hon. Anantrao Devkate (Ex-Minister of Maharashtra)
17.	Hon. S. B. Nimse (Vice-Chancellor SRTMU, Nanded)
18.	Hon. Rajesh Tope (Minister of Higher Education of Maharashtra)
19.	Hon. Rajendr Darda (Minister of Education of Maharashtra)
20.	Hon. B.N. Deshmukh (Judge High Court Mumbai)
21.	Shri. Saint Moraribapu (International Saint)
22.	Mrs. Asha Parekh (Famous Actress in Hindi Film)
23.	Dr. Anil Kakodkar (Chairman, Atomic energy of India)
24.	Dr. S.H. Pawar (Vice-Chancellor)
25.	Dr. Jayant Naralikar (Eminent Space Scientist)
26.	Hon. Sureshji Jain (Ex-Minister of Maharashtra)
27.	Hon. Janardhan Waghmare (Ex-Vice-Chancellor of SRTMU,Nanded)
28.	Hon. Diliprao Deshmukh (Ex-Minister of Maharashtra)
29.	Hon. Padmasinh Patil (Ex-Minister of Maharashtra)
30.	Shri. Amit Deshmukh (MLA of Maharashtra)
31.	Shri. Baswaraj Patil (MLA of Maharashtra)
32.	Shri. Sudhakar Bhalerao (MLA of Maharashtra)
33.	Shri. Vasant Kale (Ex-MLA of Maharashtra)
34.	Shri. Vikram Kale (MLA of Maharashtra)

2.   The few words about the Dayanand Science College:

Dayanand Science College, Latur (MS), is unique, first oldest and the finest single faculty college of the region, pursuing excellence in education in several branches of Science. Keeping in view the educational needs of the region, Dayanand Education Society, a local management committee, established Dayanand College of Arts, Science and Commerce in the year 1961. In those years, this was the only college established in this area and was catering the needs of the students. In the year 1967, the multi faculty college was bifurcated giving independent status to Dayanand Science College.

Initially the college offered under graduate courses with basic subjects Physics, Chemistry, Mathematics, Botany and Zoology. Keeping pace with time and sensing the needs of the students, applied subjects like Electronics, Microbiology, Industrial Chemistry, Fishery Science and Computer Science were started from the year 1978 and subsequently, This College has now become a centre to awaken people on the current trends in higher education. Considering the importance of higher education in science, various Post Graduate courses were introduced time to time. M.Sc. Chemistry (Organic), M.Sc. (Microbiology), M.Sc.(Computer Science), M.Sc. (Biotechnology) and PG diploma in Bioinformatics. The continuous research work is going on in the Departments of Mathematics, Microbiology, Biotechnology, Physics, Botany, and Zoology for the guidance to the Ph. D students. Besides imparting education for formal degree and post graduate degree education, the college is offering seven one year career oriented certificate courses under career oriented programs of University Grants Commission.

University examination Results of our college are highly appreciable. Passing percentage of our college is always more than that of university. In this academic year 836 students of which 434 are boys and 395 are girls are studying in the different course. In our college granted permanent faculty members are 25 out of which 12 are Ph.D., holders. The strength of non-grant faculty is 18 and CHB faculty is 21. The total faculty strength is 64 and non teaching granted non-granted faculty is 88.

The College has come under **2(F)** and **12(B)** section since 1972 of the UGC Act. The college offers **02 UG, 05 PG, 05 Ph.D.** programmes, **07 COP, UGC Certificate courses**. The college accredited with B^{++} Grade in the year 2004 by the National Accreditation and Assessment Council of India (**NAAC**).

Recently, in the year 2012-13, college has got recognition as **DST-FIST** (Fund for Improvement-in Science and Technology) from Department of Science and Technology, New Delhi with a sanctioned grant of Rs. 67.5 lacks.

In addition to the conventional academic activities, our college undergoes several co-curricular and extension activities for the overall personality development of students. The college runs national ambient air quality project and received **43,50,000/-** Rupees amount from the state Government Maharashtra.

The college is now applying for the **Second cycle for Reaccreditation** for further quality sustenance, enhancement, and continuous improvement. This will help us to identify the strengths, weaknesses and ennobles our vision and mission to march towards actualizing our potentiality in attaining our goal of offering higher education to rural mass with compassionate hearts on par with global standards.

5.   Our Academic Programmes:

1)	**U.G.(02):** -	i) B. Sc.
		ii) B. Sc. Computer Science
2)	**P.G.(04):** -	i) M.Sc. Organic Chemistry
		ii) M.Sc. Microbiology
		iii) M.Sc. Computer Science
		iv) M.Sc. Biotechnology
3)	**P.G.(01 Diploma):-**	i) Post. Graduate Diploma in Bioinformatics
4)	**Ph. D. Course (05) :-**	i) Microbiology.
		ii) Mathematics.
		iii) Physics.
		iv) Botany.
		v) Zoology.
5)	**Certificate courses (07):-** **(UGC-COP)**	i) Electronic Equipment Maintenance,
		ii) Embedded Software System design,
		iii) Food Processing,
		iv) Computer Hardware Networking,
		v) Drug Analysis,
		vi) Mobile Repairing,
		vii) MATLAB Training course.

- **Peer Team Report of NAAC (Jan. 2004)**

The college has fulfilled all the lacunae and suggestions made by the previous NAAC peer team, the details of which are mentioned below.

Sr. No.	Recommendation (Made by Previous Peer Team of NAAC)	Status	Implementation
1.	The College following its goals and mission has earned recognition for its academic and administrative success.	Appreciated by peer team	Till today college is continuously trying to academic and administrative success
2.	The dropout rate of the college is very low which indicate the interest of the students to pursue their studies in the college.	Appreciated by peer team	Early stated that drop out ratio is low. That record is also maintained till today.
3.	The college offers some career oriented courses to students.	Fully implemented	In addition to that the College started seven different career oriented courses in the different areas one by one since 2008
4.	The college may initiate more job/utility oriented courses like her biology, conservation and	Fully implemented	The college has started seven job oriented courses. The medicinal plants are planted in

	utilization of medicinal plants.		the Botanical garden
5.	The college may initiate trade related / vocational courses like electrical maintenance, Radio and television repairing and biotechnology and can thus serve the societal needs of the locality and can earn resources.	Fully implemented	The college started courses such as Mobile Repair, Embedded System design, Electronics equipment Maintenance as per the social need.
6.	75% of UG and PG pass outs either pursue higher studies or join services. This is a praise worth feature of the college.	Appreciated by peer team	Now 97% of UG and PG pass outs either pursue higher studies or join services.
7.	The college has good research culture in the Microbiology department. There are research initiatives in the Chemistry, Hindi and Marathi sections of language department.	Appreciated by peer team	The college started research programme departments. There are five research guides, 50% permanent faculty is awarded by Ph. D. degree and remaining has registered for Ph. D. Degree. Some faculty members visited abroad seven countries. There are 3 ongoing Major Research projects.
8.	Some faculties have published text books.	Appreciated by peer team	Some faculties have published text books.
9.	The college has excellent laboratory and library facilities. The facilities of the laboratories need to be fully utilized with serious research efforts by all faculties.	Appreciated by peer team and partially implemented	The college has excellent laboratory, reading room and library facilities. The facilities of the laboratories are utilized by 100% faculties.
10.	The constant check in the students' skill development has improved the performance of the students in university examinations where many of them topped the merit list of merit in different subjects.	Appreciated by peer team	The constant check in the students' skill development has improved the performance of the students in university examinations where many of them topped the merit list of merit in different subjects.
11.	The performance of the students in competitive examinations and national eligibility tests are praise worthy.	Appreciated by peer team	The performance of the students in competitive examinations and national eligibility tests are praise worthy.
12.	The central library needs to be computerized immediately.	Fully impleme	The central library is totally computerized with internet

			facilities, SOUL software, computerized issue-return, barcode, internet, e-journals. INFLIBNET with central computer facility.
13.	A grievance redressal cell may be created in the college	Fully implemented	Two grievance redressal cells are created in the college for men and women. Separate offices are provided to them.
14.	The college may open a full fledged health care unit.	Fully implemented	The college has opened full fledged Health Care centers for boys and girls. The separate lady and gents Doctors are appointed for these health centers.
15.	Some inter/multidisciplinary activities may be initiated by the college.	Partially implemented	All the departments of our college have initiated some inter /multidisciplinary activities with departments of other colleges.
16.	The college has all the infrastructural facilities.	Appreciated by peer team	ICT based infrastructural facilities, digital class rooms/digital labs are established in each department.
17.	The teaching fraternity needs further motivation, commitment and change of approach towards development of research culture and innovations in teaching methods.	Fully implemented	Total faculty members are engaged in research and innovations. Principal motivates them in each meeting for research and innovations. College has received DST-FIST scheme for R&D
18.	The management may think of initiating process of total quality management as the facilities provided by them is unique in nature.	Partially implemented	The management is continuously trying for quality management. The two supervisors, M. Surywanshi and M. Katpure are appointed for facilities providing.
19.	The college may initiate a NCC girls unit.	Partially implemented	The proposals of girls NCC unit has been sent to the govt. of Maharashtra that will be permitted and started from next year.
20.	The college may undertake programme for women Empowerment.	Partially implemented	College established women Cell, Yuwati Kalyan Mandal through which several

			programmes are organized in favor of women empowerment. Women redressal cell is actively initiated to solve the problems of women and regular medical checkup.

The Criterion

The educational history for more than five decades and the healthy tradition of the college attract students of this agrarian region to join our Institution. The rich experience for the past 52**years** enables the Institution to take a long stride in the field of Higher Education. The college was affiliated to Marathwada University of Aurangabad in **1961** and later got affiliated to Swami Ramanand Teerth Marathwada University, Nanded in 1994. The college maintains the academic ambience and quality in offering Higher Education to the rural masses and faces the challenges with quality culture.

The **Self Study Report** for the **Reaccreditation – second cycle,** representing the core functions and activities of our Institution and highlighting the quality sustenance and enhancement of the college for the past five years is presented based on the seven criteria of NAAC.

CRITERION I: CURRICULAR ASPECTS

Dayanand Science College, Latur is a premier college in Latur District. The college has a firm standing of 52 years and is regarded as a quality Institution in Marathwada region of Maharashtra. Since its inception in 1961, the college has successfully maintained the tradition of excellence.

The college is affiliated to Swami Ramanand Teerth Marathwada University, Nanded. The college imparts education in science faculty for UG, PG, Ph.D. level. The college also runs three years degree course in Bachelor of Computer Science. The college also offers Adds on courses. The college offers relevant courses and programmes facilitating the creation of knowledgeable and skilled human resources to accept the social and scientific challenges and responsibilities at regional, national and global level. The vision of the college is to offer general education and cultural improvement to produce students who will be equipped to practice justice, honors and charity in their various vocations of life. The goals and objectives are well articulated and they are duly disseminated to fresher through the college calendar, prospectus, website and induction meetings held at the beginning of each academic session. The college encourages the students to take active part in the co-curricular and extra-curricular activities. The college obtains regular feedback from students, alumni, parents to enhance the quality of teaching and learning process.

The best practices adopted by the college in respect of curricular aspects are:

1.   The college ensures relevant curriculum and proper need based

development.

2.   The college has introduced seven Adds On courses.
3.   Academic calendar, daily diary and students attendance sheets.
4.   Regular Feedback from students and its analysis.
5.   College runs MPSC/UPSC classes in collaboration with Dayanand Arts College.
6.   College organized seven Inspire Camps for XIth class students. Due to the camps, about 1650 student are benefitted. To promote talent students for the research in basic sciences.
7.   NET/SET classes.
8.   Remedial classes for SC/ST.
9.   Placement – Cell
10. CCTV cameras for teaching, learning and Evaluation.

Hectographs representing the completion of curriculum in semester - I

Curriculum Semester I

June
July
August
Sept
October
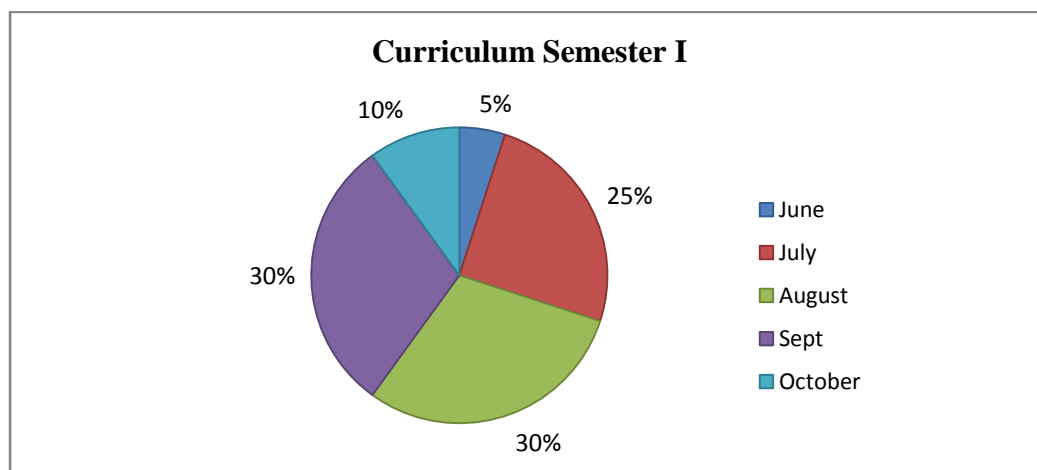
CRITERION II: TEACHING-LEARNING AND EVALUATION

The College has arranged web camera in all classrooms, laboratories which is under the control of Principal and Vice-Principal for teaching learning evaluation. The College annually publishes updated prospectus. It consists of detailed information about the college, infrastructure facilities, eligibility criteria, and admission procedure, documents necessary for the admission, courses, syllabi and conditions for grant of term. The college has developed its website which is regularly updated. The website contains all the information given in the prospectus. The rules and regulations regarding reservations laid down by the University/State Government are strictly followed by the college in admission process. The college has introduced system of interaction with the students by the panel of teachers at the time of admission. The college takes care that admissions are given to the students from all categories to ensure equality. The college facilitates free-ship, fee concessions, scholarships to the students from disadvantaged community and economically weaker sections. The institution adopts different strategies for facilitating slow and advanced learners viz. conducting periodic class tutorials and home assignments, organizing group discussions, presentations, organizing remedial classes, revision lectures,

organizing lectures of experts, encouraging advanced learners to participate in various curricular and co-curricular activities, felicitating meritorious students, providing academic counseling and synoptic notes to facilitate for medium range student. A women's cell is abled Students formed to cater to the issues of women students. The College provides necessary help to cater to the needs of differently abed students. The academic planning committee along with IQAC prepares the academic calendar and accordingly the planning committee conducts the meeting of the staff. The time-table committee prepares the time table well in advance. The teachers prepare the monthly teaching plan for each subject and maintain the diary specifying the details of the topics taught in the classroom. The teachers evaluate the students by interacting with them and get the feedback. Along with the lecture method, the teachers follow the interactive method to encourage students to express themselves and to consolidate their understanding of the topic taught in a class room. The college established five digital classrooms for teaching e-materials. The teachers also promote a computer based learning, experiential learning and group discussions. The students and faculty have access to current issues, latest events through journals, magazines, periodicals, reports, newspapers, and internet. The students are encouraged and guided by the teachers for optimal use of the library. The feedback from outgoing students regarding evaluation of the teachers is taken regularly. After analysis of such feedback, evaluation of the teachers is carried out. On the basis of this analysis Principal guides and encourages concerned teacher for improvement. The faculty members are appointed by following regulations of University and State Government. The management encourages the faculty members for their professional development by granting study leave, deputing them to conferences, seminars and other training programmes such as refresher courses and orientation programmes. Thus, the college tries for excellence through such quality sustenance and enhancement measures.

The college follows a well framed self-appraisal method of evaluation of performance of teachers for their teaching, research and extension activities. There exists a method of evaluation of teacher's performance by student's evaluation. The college has established linkages with NIV Pune, NCL Pune, ICAA Pune, BRI Kolkata, ICRSA Hyderabad, CCMB Hyderabad, NIN Hyderabad, NEERI Nagpur. for teaching and research. The college organizes seminars, symposia, conferences, for further development of teaching, learning and evaluation processes. The college has software for assessing competitive exercises. A number of research papers have also been published this year.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Dayanand Science College always emphasizes on research, consultancy and extension to serve the locality where it functions. Some faculty members always participate in national and international conferences for presentation of their different research papers. The college has potential to initiate research activities. Maximum number of teachers are engaged in the publishing their research papers. Physics Department has thin film deposition systems and other relevant equipments for research purpose.

However the College has not recognized as a research center in Mathematics, Physics, Zoology because the college runs only U.G. courses in these subjects, but all the research facilities are available in these Departments.

Qualification of Faculty.
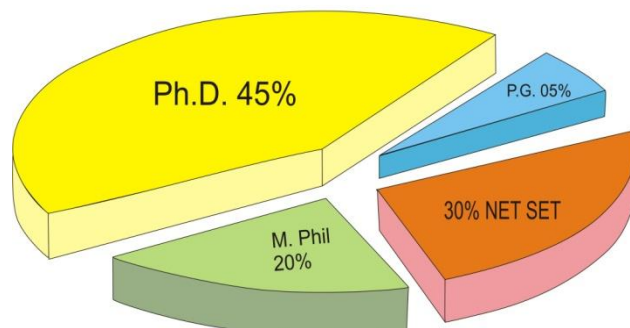
To promote research based activities college organized number of national, state level conferences, seminars, and workshops in different subjects. The faculty members are actively involved in the research. Three major research projects are ongoing, 3 minor projects are completed, 5 minor and 5 major research projects are submitted to UGC, 2 major research projects are submitted to DST, 4 faculty are working as research guide. The research guide in Mathematics has registered 2 Ph.D. students and 2 M. Phil. students and the research is ongoing. Two faculty members have applied to University for getting research guide recognition in physics. The Microbiology departments has recognition as a research centre in Microbiology of University, 4 research students are working fulltime in the Microbiology research laboratory. The college faculty presenting and faculty publish their research contribution in the international, national, state level conferenes/seminars/ workshop and in journals.

The Department of Physics has developed a well equipped research laboratory in "Thin Film and Material Science". The research lab has basic equipments like spray pyrolysis, chemical bath deposition system, spin coating, LCR meter, nanometer, conductivity measurement, UV visible spectrophotometer. College has received recognition from Department of Science and Technology as "**DST-FIST Recognized College**" with a sanctioned fund of Rs.67.5 lacks for Improvement in science and Technology in the year 2012-2013. A number of facilities are set-up in each department some major equipment are acquired under this scheme.

The College is doing appreciable extension through its NSS volunteers and also associating teachers closely in this area. Various awareness programmes like blood donation, AIDS Awareness, Literacy Drive, Tree Plantation, and collecting donations for helping affected families by earthquake, cancer patients etc., are commendable extension activities. The College conducted some workshops/seminars in collaboration with the University and local bodies. The college is actively involved in research and consultancy and expansion of outreach programs through NSS and NCC units of the College.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

The College is located in the huge campus of 22 acres of Dayanand Education Society. The college is endowed with excellent physical infrastructural facilities to

support the teaching-learning process. The separate building of the college is constructed on the said campus. The college has spacious classrooms, digital classroom blackboards and platform. The college has provided separate offices for NSS, NCC, Sports, Gymkhana and Boys hostel, Women's hostel, Career and Counseling Cell, NET-SET Coaching Classes, Women's Common Room, Ladies Staff room, and Examination Cell, Spacious Library, Reading Room, Central Computer lab, Department of Library, Administrative office, PRO and IQAC cell.

In each department laboratory has digital class rooms. The college has huge A/c auditorium, health center and indoor-stadium.

The library has adequate text and reference books, journals and periodicals, audio-video cassettes and internet facility. The Library is totally computerized with Soul Software. A reprographic machine is available in the library for the students to get photocopies of various references and other learning. There is night library facilities from 6pm to 11pm. There are 55,917 text books in the library. There is book bank facility and students can borrow 2/3 books for 5/6 days. The central computer facility is available in the library and Computer Science Department only. This centre has internet and LAN facilities. Each Department has broad band internet connection.

All Departments have separate self-contained and spacious well equipped laboratories. Each department is provided with computers with internet broadband facility. The laboratories are provided with adequate chambers for the HOD and faculty, Preparation Room and Discussion Rooms.

A Computer Laboratory is established with broadband internet connectivity to meet various academic needs of the students. A generator UPS and an inverter is also made available for continuous electric supply to computers, classrooms and other equipments. Keeping in mind the advancement of information technology, the college promotes the use of computers, internet and other technological facilities. The college has also established Parent Relation Office.

The college has a separate well-equipped Seminar hall with a public address system of high quality and with a capacity of 150 seats for its academic, co-curricular and extra–curricular activities. LCD projector and a laptop are available for power point presentations by resource persons, teachers, and students.

Department of Chemistry, Microbiology, Mathematics and Physics developed research laboratories with adequate research equipments and softwares.

A separate office for sports is provided with adequate provision for storing sports equipments with Gymkhana. The college has provided 10 acres playgrounds for sports activity, one big cricket ground, and one tennis court. The play ground is well maintained and it is protected by a compound wall. The parent institution has provided separate hostels for boys and Girls. The college has constructed a well equipped hostel for girls with separate hostel's library and reading room, dining hall and a hall for indoor games, Tennis court, Basket Ball Court and Cricket Ground.

The College has common facilities like Auditorium, Indoors stadium, outdoor stadium, health centre, Staff Room, vehicle parking, canteen, telephone and purified drinking water and Vidyarthi Suvidha Kendra.

The college also has two generators for uninterrupted power supply. College library, laboratories, office also have back-up facilities with generators and UPS.

The college has developed a well kept botanical garden with different plant species. The environmental beautification of the Campus has been done with 1200 trees which can sustain with less annual rainfall.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

The college provides the students with a prospectus containing updated information for students. 98% of the students appear in the final examination and the dropout rate is only 2%. 95% of the graduates from the college either pursue higher education or join in services. The general percentage of students passing every year is between 85 to 95 per cent. The institute makes special efforts to encourage the failed students to continue their education. The Institution allows them to attend the lectures and to write tutorials, with regular students. The institution runs 'Earn and Learn' scheme. The students are paid remuneration for assigned work in laboratories and office. The college has set up the Student Counseling Cell for personal and academic development of the students. The faculty gives academic and personal counseling.
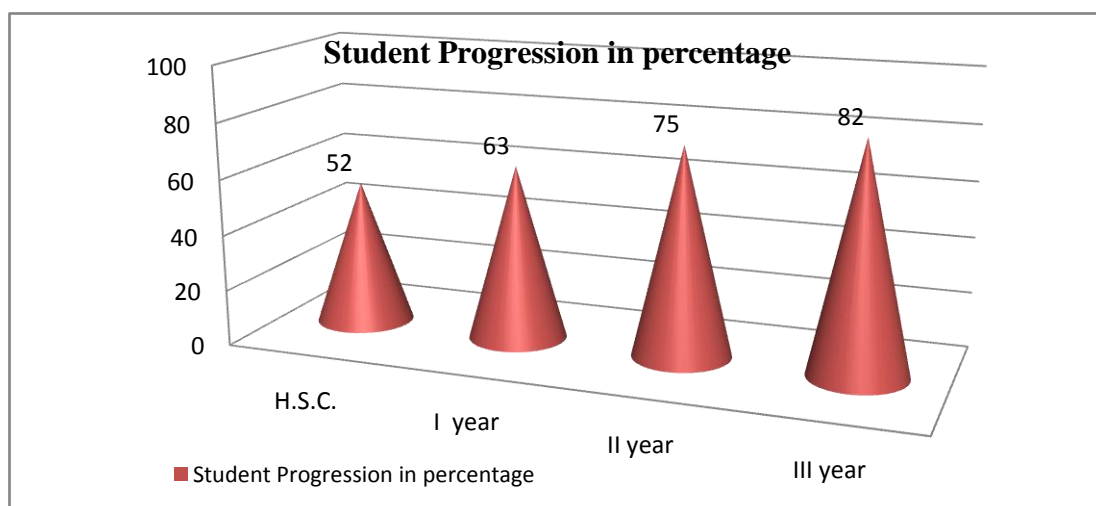
- **Drop out Ratio Graph 2013-14**
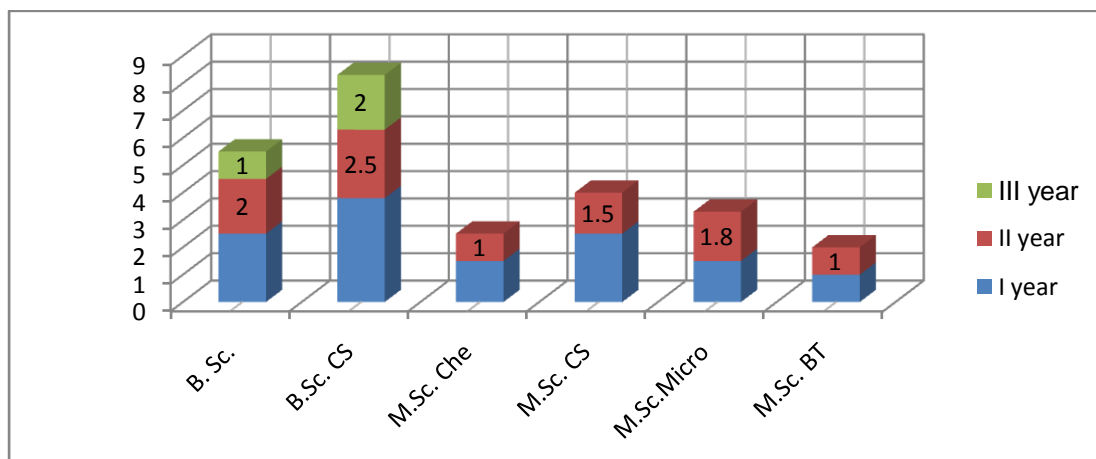
There is a common canteen in the premises of the college which provides food items at fair prices to the students and one special canteen for ladies. The Insurance Scheme is in progress by the college. The well equipped boys and girls hostels have constructed and maintained. The College runs the 'Grievance Redresal Cell'. The grievance/suggestion box is maintained by the college where students have to drop their grievances. The box is opened in a week and checked by the Principal to take necessary action. The college has antiragging committee. Any grievance, raging case found is scrutinized and necessary actions/steps are unsparingly taken by the concerned authority.

Majority of the students in the college are from rural areas or having their school education in Marathi language. The college conducts the 'Spoken English' course to overcome the deficiency in their language skills in collaboration with Dayanand college of Arts. The college has established the cell for career counseling, remedial coaching for weak students, entry-level competitive examinations in various services.

As the college is running 5 PG courses, for M.Sc. Students a separate NET/CET Cell is established.

The college has also established the cell for physically challenged students. The cell actively looks after the welfare of the physically challenged students. There is special nonteaching staff to carry handicapped students with wheelchair. The extracurricular activities, sports and games are well encouraged by the college for the students of college. The tours and excursion committee arranges tours of the students for their personality development. The Students Council has been very active in the College. The Council organized a programmes titled 'Meet the Principal' wherein the students had the opportunity to interact freely with the Principal for solving the problems in quality education system. This was in the form of suggestions and discussions pertaining to issues related to the students. An open platform that provides for free expression of students' opinions is well received by all.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

The policy of the management is to promote education that is compatible with the goals set by the founder and subsequently reinterpreted to meet recent trends and changes in higher education. This is sought to be translated into practice with the co-operation of advisory bodies such as the General Staff Council, the College Management Committee, Academic Planning Committee and Internal Quality Assurance Committee. They meet periodically to deliberate on decisions to be made. The General Body (GB) of the College functions in close liaison with the Principal, teachers, non-teaching staff and students. There is a sound internal coordination and monitoring mechanism in the college. The college has special committee for preparation of the academic calendar. The work efficiency of the teaching and non-teaching staff is conducted through a good monitoring mechanism. The college has good internal audit and external academic mechanism. The college has office automation. It has grievance committee for grievance redressal.

The management of the college is centralized and the Principal is the central administrative head. Decentralization and participatory management are core values

in the day to day administration. The teaching and non-teaching staff members have representation on the Local Management of the trust. Inclusion of teaching and non-teaching staff on various committees is the regular practice of the college.

The annual budget is prepared and passed in Local Management Committee meetings. The accounts of receipts and expenses are maintained and audited regularly at the end of the financial year. There are four types of audits being conducted viz. internal audit by Accounts Committee appointed by the college, audit by management, chartered auditors appointed by the Management and the audit by the Government auditors.

The college has established various committees consisting of teachers for the curricular, co-curricular and extra-curricular activities in the meeting held at the beginning of the academic year. The duties regarding the various activities are assigned to the committees of teachers. The monthly meetings of those committees are conducted for the fine tuning of the activities.

Regular faculty is selected and appointed according to UGC norms and selection is based on merit. Staff is given ICT facility for research. Self appraisal of faculty performance is the regular practice followed by the college. Appraisal of teacher performance by students is made by outgoing students with the help of a questionnaire devised for the purpose. Work of student is assessed by means of conventional terminal tests. FIP is sanctioned to the three faculty members of to obtain the Ph.D. degree. Seminars and workshops are arranged by departments to inhance the skill and knowledge of the faculty. Prizes to the meritorious students are deposited by alumni, staff members including retired staff and well wishers of the college.

The teachers prepare the monthly teaching plan well in advance; the execution is monitored by the head of the department and Principal. The college has developed the system of maintaining the academic diary in order to ensure the regularity and accountability. The Principal checks those diaries on Saturday. At the beginning of each academic year, the college decides the programmes in advance to be conducted in Academic calendar. It helps to streamline the organization and better execution. Considering the major aspects like transparency and full participation of stakeholders in planning and decision-making process, the college gives importance to the Institutional value system.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

The college has number of inbuilt innovative practices. It has instituted new ventures after first assessment.

Students feedback system has been developed. From the year 2012-13 it is also taken by electronically. The college has computerized the admission process. The college library is fully computerized. SOUL system is installed in the library. Photocopying center is established in the college. After 1st accreditation, the college has introduced new electives in the curriculum. Career oriented courses, remedial coaching classes, coaching for entry in services; NET/SET guidance center is functioning in the college. The innovations have created positive impact on the functioning of the college.

The college adopts various best practices. The following best practices are implemented in the college.

Sr. No.	Best Practices
1.	INSPIRE Science camp: To promote talented student towards research
2.	Parent Relation Office (PRO)
3.	Introduction of Students/Faculty welcome & farewell functions.
4.	Celebration of Teachers Day, Science Day, NCC Day, NSS Day, University Day, Women Day, Environment Day, Hindi Day, etc.
5.	Fees Concessions & free hostel facility to needy students.
6.	Felicitation of the faculty for the achievement & awards at the time of flag hosting.
7.	Felicitation of meritorious student and awardee.
8.	Motivation to students to participate in different competitions.
9.	Alumini Association Meet in each term.
10.	Merit Prize Award from the faculty and alumini to the students.
11.	Publication of Unmesh: A Student Magazine.
12.	Night library for students: run by students.
13.	Book Exhibition on different occasions.
14.	Science Exhibition.
15.	Faculty Orientation.
16.	College students uniform.
17.	Donation collection on natural calamities.
18.	Collection of funds to students for medical expenses.
19.	Arrangement of Medical Checkup camps.
20.	Study leave to the staff for research work.
21.	Spoken English course for students and staff.
22.	Earn and Learn Scheme for students.
23.	Conservation of campus.
24.	Staff Credit Co-operative Society.
25.	'Dayanand Vidhyarthi Suvidha Kendra' in campus.
26.	"Bachatgat" a special programme run by faculty.
27.	Message facilities for parents about students progress.
28.	Students welfare Committee.
29.	Students Aid Fund.
30.	Biomatrix Systems for attendance of Teaching and Non-Teaching Staff.
31.	CCTV Camera for Supervision.

The SWOC Analysis:

- **Strengths:**
  - ➢ One of the well reputed Science faculty college in the region.
  - ➢ The College has a magnificent campus of seven 22 acres of land, with the natural beautiful surrounding which provides a great potential for future physical expansion.
  - ➢ The physical infrastructure facilities- buildings, laboratories, library with 75,000 books, indoor stadium and outdoor sports facilities, well equipped computer laboratories, auditorium, Canteen, Health Centre, Botanical Garden, girls and boys Hostels, Network Resource Centre, Smart and Interactive Classrooms with ICT based, Girls common room, Wi-Fi, Broadband connection for each laboratory and departments.
  - ➢ The advanced research instruments are available in Physics, Microbiology, Biotechnology and Chemistry departments.
  - ➢ All faculty members actively engaged in research work and deliver the invited talk in international conferences in and outside the India.
  - ➢ 50 % faculties are Ph.D. holder.
  - ➢ The IQAC devises action programmes and implement the same for the welfare of the students. The statutory and non statutory committees make their significant contribution for the academic and administrative progress of the college.
  - ➢ Research and teaching go hand in hand in all the departments. Teachers avail FIP, sabbatical leave and do Ph.D. programmes and present research articles in conferences and seminars. They act as chairpersons, Resource persons and deliver Invited Talks/Guest Lectures in Remedial/Bridge/Orientation /Refresher courses. They contribute their might to research by publishing articles in peer reviewed journals, Research Advisors, members of Departmental Research Committee/Doctoral Committee members of other institutions and universities / peer reviewers, editors of journals.
  - ➢ Democratic Management of the trust is one of the important characteristics.

- **Weaknesses:**
  - ➢ Though the college prospers with all the strength of an institution of global standards, again, due to its geographical area could not attract international students.
  - ➢ Since most of the student entrants are agrarian based, partially agriculturalists themselves, with education in the medium of regional language till Higher secondary level, they lack good Communicative Skills in English.
  - ➢ Most of the students are first generation learners. Hence, the motivation level is very low.
  - ➢ The exam pattern of our University is MCQ for UG I, II year is not satisfactory for getting deep subject knowledge.
  - ➢ Lack of Industrial area in the region and it is difficult for the placements.
  - ➢ No autonomy for launching new professional courses.

- **Opportunities:**
  - ➢ As colleg runs 5 P.G. courses intends to develop research centres in different science streams.
  - ➢ Number of students admitted in the different courses is increasing annually.
  - ➢ Education is skill unattainable to many girls from rural areas. Now a days, due to transport facility, girl students from interior villages are educated, at par with boy students, up to research level.
  - ➢ Greater opportunities are there for student's progression.
  - ➢ Though situated in a rural atmosphere, technology based ontological tools of teaching, classrooms with smart and interactive boards and syllabus catering to global needs and standards are implemented and practiced.
  - ➢ To start PG programmes in Physics, Mathematics and other interdisciplinary subjects.

- **Challenges:**
  - ➢ To retain the students from going to other places for higher education.
  - ➢ To make MOU's with leading industries for training and placement.
  - ➢ To increase the communication skill in English among students.
  - ➢ Giving job orientation to our traditional courses.
  - ➢ There are ample opportunities to attract foreign students.
  - ➢ Slow but steady industrialization of the region provides better job opportunities and entrepreneurship.
  - ➢ Inadequate land for further expansion of the campus.

B. Profile of the Affiliated /Constituent College

1.   Name and address of the college:

Name	:	**DAYANAND SCIENCE COLLEGE, LATUR**
Address	:	**BARSHI ROAD, LATUR DIST: LATUR**
City	:	**LATUR PIN : 413531 State : MAHARASHTRA**
Website	:	**www.dsclatur.org**

2.   For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. J.S. Dargad	O: 02382-222929 R: 02382-221138	094039 70550, 093265 22453	02382-221149	jsdargad@rdiffmail.com
Vice - Principal	Prof. M.B. Deshmukh	O:02382-221149 R:02382-250431	094216 93183	02382-221149	mbdeshmukh57 @rediffmail.com
NAAC Steering Committee Co-ordinator	Dr. S.S. Bellale	O: 02382-221149 R: 09405020007	094054 17417	02382-221149	sidhesh.bellale@ gmail.com

3.   Status of the of Institution :

Affiliated College	YES
Constituent College	
Any other (specify)	

4.   Type of Institution:

a) By Gender
   i.   For Men ☐
   ii. For Women ☐
   iii. Co-education ✓

 b) By shift
   i. Regular ☑
   ii. Day ☐
   iii. Evening ☐

5.   Is it a recognized minority institution?

Yes

No   ✓

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary   evidence.   ----

6.   Source of funding:

Government	
Grant-in-aid	✓
Self-financing	
Any other	

7.   a)   Date of establishment of the college: 15th June 1961

   b)   University to which the college is affiliated /or which governs the college (If it is a constituent college)

Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra (INDIA)

   c)   Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	02/03/1971	--
ii. 12 (B)	02/03/1971	--

   (Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

   d)   Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department/Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Rema rks
i.	NA	NA	NA	NA
ii.	NA	NA	NA	NA

(Enclose the recognition/approval letter)

8. **Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?**

Yes ✓   No ☐

If yes, has the College applied for availing the autonomous status?

Yes ☐   No ✓

9. **Is the college recognized**

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐   No ✓

If yes, date of recognition: …………………… (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes ☐   No ✓

If yes, Name of the agency …………………… and
Date of recognition: …………………… (dd/mm/yyyy)

10. **Location of the campus and area in sq.mts:**

Location	Urban
Campus area in sq. mts.	100313
Built up area in sq. mts.	25042.88

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. **Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.**

- Auditorium/seminar complex with infrastructural facilities ✓ Yes
- Sports facilities
  - ➢ play ground   ✓   Yes
  - ➢ swimming pool   X   No
  - ➢ gymnasium   ✓   Yes

- Hostel
  - ➢ Boys' hostel   ✓   Yes
  - ➢ Number of hostels   Two
  - ➢ Number of inmates   120
  - ➢ Facilities (mention available facilities)   Yes

➢   Beds, Fans, Electricity, Drinking Water, UPS, Solar Heaters, Solar Lamps, Bathrooms and Toilet , medical facilities, reading room, mess and Health centre,

• Girls' hostel   ✓   Yes
➢ Number of hostels   One
➢ Number of inmates   409
➢ Facilities (mention available facilities)   Yes

   Beds, Fans, Electricity, Purified Drinking Water, Water Cooler, UPS, Solar Heater, Bathrooms & attached Toilet, library, reading room, mess, Health centre, First aid, Garden.

• Working women's hostel
➢ Number of Hostel   X   No
➢ Number of inmates   X   No
➢ Facilities (mention available facilities)

• Residential facilities for teaching and non-teaching staff
   (give numbers available -- cadre wise) No

• Cafeteria --   X   No
• Health centre –   ✓   Yes
• First aid, Inpatient, Outpatient, Emergency care facility, Ambulance: Yes
   Health centre staff – First Aid facility is available

• Qualified doctor ☐ Full time ☑ Part-time

• Qualified Nurse ☐ Full time ☑ Part-time

• Facilities like banking, post office, book shops   ✓   Yes
• Transport facilities to cater to the needs of students and staff   X   No
• Animal house   X   No
• Biological waste disposal   ✓   Yes
• Generator or other facility for management/regulation of electricity and voltage   ✓   Yes
• Solid waste management facility   ✓   Yes
• Waste water management   ✓   Yes
• Water harvesting   ✓   Yes

12.   Details of programs offered by the college (academic year 13-14)

Sr. No.	Program Level	Name of the Program /Course	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength	Number of students admitted

Sr. No.	Program Level	Name of the Program /Course	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength	Number of students admitted
I	1.Under graduate	i) B.Sc. I,II,III	3 Year	12th Science	English	480	633
		ii)B.Sc. Computer Science. I,II,III	3 Year	12th Science	English	180	74
II	2.Postgraduate	i) M.Sc. Chemistry	2 Year	B.Sc. (Chemistry)	English	060	59
		ii) M.Sc. Microbiology	2 Year	B.Sc. (Microbiology)	English	060	24
		iii) M.Sc. Computer Science	2 Year	B.Sc. (Computer Science)	English	060	53
		iv) M.Sc. Biotechnology	2 Year	B.Sc. (Microbiology, Biotech.)	English	060	08
III	3. M.Phil.	Mathematics	2 Year	P.G. (Mathematics)	English	02	02
IV	4. Ph.D.	Microbiology	3 Year	P.G. (Microbiology)	English	06	02
		Mathematics	3 Years	P.G. (Mathematics)	English	08	03
	5.Certificate Courses UGC – COP.	Electronic Equipment Maintenance	1 Year	Any B.Sc. Admitted Students	English	20	15
		Embedded Software System design	1 Year	Any B.Sc. Admitted Students	English	20	18
		Food processing	1 Year	Any B.Sc. Admitted Students	English	20	21
		Computer Hardware Networking	1 Year	Any B.Sc. Admitted Students	English	20	18
		Drug Analysis	1 Year	Any B.Sc. Admitted Students	English	20	15

Sr. No.	Program Level	Name of the Program /Course	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength	Number of students admitted
		Mobile Repairing	1 Year	Any B.Sc. Admitted Students	English	20	20
		MATLAB training course	1 Year	Any B.Sc. Admitted Students	English	20	-
VI	UG Diploma	-	-	-	-	-	-
VII	PG Diploma	v) P.G. Bioinformatics	1 Year	U.G. (Life Science)	English	20	04
VIII	Any Other (specify)	-	-	-	-	-	-

(Additional rows may be inserted as per requirement)

13. **Does the college offer self-financed Programmes?**

Yes √   No ☐

If yes, how many?   6

14. **New programmes introduced in the college during the last five years if any?**

Yes	✓	No		Number	09

15. **List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)**

Particulars	UG	PG	Research
Science	1)Physics, 2)Chemistry, 3)Mathematics, 4)Botany, 5)Zoology and Fishery 6)Microbiology and	Organic Chemistry, Computer Science, Biotechnology, Microbiology, Bioinformatics.	Microbiology, Mathematics, Botany, Zoology, Physics.

Particulars	UG	PG	Research
	Biotechnology, 7) B.Sc. Comp.Sci., 8)Electronics, 9) Industrial Chemistry		
Arts			
Commerce			
Any Other not covered above BCA			

16. **Number of Programmes offered under (Programme means a degree course like BA, BSc,MA,M.Com…)**

a. annual system

> --

b. semester system

> **08**

c. trimester system

> --

17. **Number of Programmes with**

a. Choice Based Credit System

> --

b. Inter/Multidisciplinary Approach

> --

c. Any other (specify and provide details)

> --

18. **Does the college offer UG and/or PG programmes in Teacher Education?**

Yes ☐   No ☑

If yes,   **Nil**

a. Year of Introduction of the programme(s)………………. (dd/mm/yyyy)
and number of batches that completed the program
NCTE recognition details (if applicable)
Notification No.: …………………………………
Date: …………………………… (dd/mm/yyyy)
Validity:………………………..

b. Is the institution opting for assessment and accreditation of Teacher Education Program separately?

Yes ☐   No ☑

19.   Does the college offer UG or PG programme in Physical Education?
Yes ☐   No ☑

If yes,
a.   Year of Introduction of the programme(s)………………. (dd/mm/yyyy)
and number of batches that completed the programme | - |

b.   NCTE recognition details (if applicable)
Notification No.: ……………………………………
Date: …………………………… (dd/mm/yyyy)
Validity:……………………

c.   Is the institution opting for assessment and accreditation of Physical
Education Programme separately?
No | ✓ |

20.   Number of teaching and non-teaching positions in the Institution:

*M-Male *F-Female

Position	Teaching faculty						Non-Teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC , University , State Government *Recruited*	-	-	04	-	18	04	56	06	13	06
Yet to recruit	0	0	0	0	09		04		04	
Sanctioned by the Management/society or other authorized bodies *Recruited*	0	0	0	0	25	14	06	05	03	04
Yet to recruit	0	0	0	0	0	0	0	0	0	0

21. **Qualifications of the teaching staff**:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	*M	*F	*M	*F	*M	*F	
Permanent teachers							
D.Sc./D.Litt.	0	0	0	0	0	0	0
Ph.D.	0	0	02	0	08	02	12
M. Phil.	0	0	01	0	05	01	07
PG	0	0	01	0	05	00	06
Temporary teachers							
Ph.D.	0	0	0	0	01	00	01
M. Phil.	0	0	0	0	03	01	04
PG	0	0	0	0	04	11	15
Part-time teachers							
Ph.D.	0	0	0	0	0	01	01
M.Phil.	0	0	0	0	02	02	04
PG	0	0	0	0	05	09	14

22. Number of Visiting Faculty /Guest Faculty engaged with the College.   05

23. Furnish the number of the students admitted to the college during the last four academic years.

- **U.G. (B.Sc.)**

Categories	2009-10		2010-11		2011-2012		2012-2013		2013-2014	
	M	F	M	F	M	F	M	F	M	F
SC	37	19	22	16	25	31	36	24	39	31
ST	02	0	01	0	02	0	02	02	04	03
OBC	10	15	26	24	35	29	50	31	31	38
General	41	79	197	89	170	113	190	149	207	184
Others	07	08	09	25	15	27	31	26	53	43
Total	**90**	**121**	**255**	**154**	**247**	**200**	**309**	**232**	**334**	**299**

2. U.G. (B.Sc. Computer Science)

Categories	2009-10		2010-11		2011-2012		2012-2013		2013-2014	
	M	F	M	F	M	F	M	F	M	F
SC	03	0	01	0	03	0	0	0	05	06
ST	0	0	0	0	01	0	0	0	0	0
OBC	08	0	13	03	04	04	04	03	05	06
General	20	13	22	14	14	11	12	15	23	24
Others	04	01	05	02	05	02	01	03	03	02
Total	**35**	**14**	**41**	**19**	**27**	**17**	**17**	**21**	**37**	**37**

3.   P.G.

Categories	2009-10		2010-11		2011-2012		2012-2013		2013-2014	
	M	F	M	F	M	F	M	F	M	F
SC	07	10	11	05	06	05	07	08	05	11
ST	0	01	0	01	0	0	0	01	0	0
OBC	09	08	14	08	09	05	11	11	09	11
General	53	52	56	61	50	65	41	18	41	54
Others	10	04	10	06	10	07	11	05	08	05
Total	**79**	**75**	**91**	**81**	**75**	**82**	**70**	**43**	**63**	**81**

24.   Details on students enrollment in the college during the current academic year: 2013-14.

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	685	144	02	05	836
Students from other states of India	0	0	0	0	0
NRI students	0	0	0	0	0
Foreign students	0	0	0	0	0
Total	**685**	**144**	**02**	**05**	**836**

25.   Dropout rate in UG and PG (average of the last two batches)

  UG : **02%**   PG   : **03%**

26.   Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component: **Rs. 32,830/-**

(b) Excluding the salary component: **Rs. 5,335/-**

27.   Does the college offer any programme/s in distance education mode (DEP) ?

               Yes   ☐   No ☑

If yes,

a)   is it a registered centre for offering distance education programmes of another   University

          Yes   ☐   No ☑

- Name of the University which has granted such registration.

  b) Number of programs offered   00

  c) Programs carry the recognition of the Distance Education Council.

  Yes ☐   No ☑

28. Provide Teacher-student ratio for each of the programme/course offered:

- B.Sc.   1 : 18
- B.Sc. Computer Science   1 : 14
- M.Sc. Chemistry   1 : 09
- M.Sc. Microbiology   2 : 05
- M.Sc. Computer Science   1 : 05
- M.Sc. Biotechnology   1 : 04

29. Is the college applying for
Accreditation: Cycle 1   **Cycle 2** ☑   Cycle 3 ☐ Cycle 4 ☐

Re-Assessment: ☐

(Cycle 1refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation*
(Applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: **24 / 01 / 2004**   (dd/mm/yyyy)
Accreditation Outcome/Result : **B^{++} Grade with score 81.50**
Cycle 2: …………………… (dd/mm/yyyy)
Accreditation Outcome/Result……..
Cycle3: …………………… (dd/mm/yyyy)
Accreditation Outcome/Result……..
(Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure).

31. Number of working days during the last academic year.   232

32. Number of teaching days during the last academic year.   196
 (Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC)
IQAC **15$^{/}$ 06/ 2006**   (dd/mm/yyyy)
34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

- AQAR   (I)   2005-06, Ref.No.06/2013-14/540
- AQAR   (II)   2006-07, Ref.No.06/2013-14/541
- AQAR   (III)   2008-09, 2009-10 Ref.No.12/2013-14/134
- AQAR   (IV)   2010-11 Ref.No.12/2013-14/134
- AQAR   (V)   2011-12, 2012-13 Ref.No.06/2013-14/602

35.   Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

- In the year 2012, college has recognized as DST-FIST sponsored college. Under the scheme, college has received 67,00,000/- grant DST. For the development of in front for research activities.
- College organized seven INSPIRE science camps during from last three years for which total grant of 1,13,75,000/- was received from Department of Science of Technology, New Delhi.
- During last year 3 students received "INSPIRE SHE" Scholarship Rs. 80,000/- per year, and 7 students eligible this year to get it.
- Recently college celebrated golden jubilee programme in the auspicious presence of Hon'ble Pranab Mukharjee, President of India.
- The College received Grant of Rs. 45,00,000/- from state government of Maharashtra for the project under Maharashtra Pollution Control Board, through which various parameters of air pollution of the Latur city region being analysied for the pollution control.

CRITERIA I: CURRICULAR ASPECTS

1.1   Curriculum Planning and Implementation.

1.1.1   State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

- **Vision of the Institute:**

➢   To enlight students of rural area and to contribute their services for universal development by promoting education.

- **Mission Statement of the Institution:**

➢   **"आ नो भद्रा क्रतवो यन्तु विश्वतः"** Let the noble thoughts come to us from all the direction of the universe.

- **Goals and Objectives of the Institution:**

➢   To impart higher education in science to the students of our rural area of this region.
➢   To promote the activities that are necessary for the welfare and overall development of the students.
➢   To help the needy and economically weaker students in education.
➢   To inculcate discipline, sincerity and devotion among the students to make them most responsible and respectable citizens of India.
➢   To prepare the students to face the challenges of the competitive world.

- **Communication of Mission, Vision and Goals to students, teachers, staff and other stakeholders.**

➢   The vision, mission and goals of the college are displayed at the entry place.
➢   The vision, mission and goals are published in our college website.
➢   The mission and vision are communicated in the first meeting of students and parents.
➢   At the time of appointment of new staff vision, mission and goals are explained by the Principal.
➢   For the other stakeholders vision, mission and goals are published in the 'Unmesh: A College Magazine'.
➢   We are utilizing the best practices for achieving the vision, mission and goals of our Institution which are mentioned in criterion.

1.1.2   How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- College follows the academic calendar issued by the affiliating university. For effective implementation of curriculum and the college also develops and displays the following action plan.

➢ At the beginning of the academic year Principal conducts meeting with all faculty and finalize the academic programmes.
➢ Curriculum committee designs the curriculum given by university in the form of syllabus, number of lectures in the time table.
➢ Time table committee frames the time table so that, each subject gets sufficient number of periods as per the guideline of university.
➢ The IQAC improves the College training programmes for effective teaching.
➢ Principal encourages the faculties and allows them to attend the seminar, workshop on implementation of curriculum organized by affiliated university.
➢ As per the curriculum, all the teaching aids, laboratory materials, books, periodical, magazines and journals are provided by the college.
➢ The use of advanced technology as a tool to improve/expand the teaching quality.
➢ College arranges the industrial visits, computer awareness programmes, conferences, seminars, workshops, guest lecturers and study tours to ensure the effective implementation for the curriculum.
➢ Curriculum Committee evaluates the implementation of the curriculum by faculty and students time to time.
➢ All the COC courses syllabus are designed and framed by the respective coordinator of the college and it is submitted to the affiliated university.

In addition to this, following activities are run by the teachers for implementation of the curriculum.

- **Teaching and Planning Diary:**

➢ Teaching and Planning Diary is maintained by each faculty.
➢ The teaching plans are prepared as per the time table at the beginning of academic year.
➢ Each faculty member strictly follows the time table of curriculum given by the college and university and also maintains the record of lectures engaged by him and the topics taught by him every day.
➢ For the effective implementation of the curriculum, every faculty member cares about the presentee of students.
➢ The Teaching, Planning Diary and attendance is checked by Head of department and submitted to their respective departments.

- **Teaching Aids:**

➢ Every subject teacher uses the teaching aids to make teaching effective.
➢ Teacher provides models, specimen, charts, etc. to the students.
➢ Teacher uses digital class room for effective teaching.
➢ The teacher provides power point presentation hard copy, the CD's, Web-Site

address to the students to enhance their knowledge.
➢ Physics, Computer Science, Microbiology, Botany, and Zoology departments have ICT based classroom.

- **Practical:**

➢ All the laboratories are well equipped.
➢ During practical, charts are provided to the students.
➢ Group demonstration is given to students.
➢ In the department of Zoology, there is a huge collection of specimen.
➢ Practicals are conducted using trinocular research microscope with microphotographic camera & LCD projector.
➢ Students maintain the practical book and results are verified by concerned teacher.
➢ Safety measures are also available in the department.
➢ Apron is compulsory in the department of Microbiology, Biotechnology and Chemistry.
➢ Eye goggles are also provided to the students in the department of Chemistry.
➢ Departmental library facilities for the faculty and students.

- **Plan for Internal Assessment Examination.**

➢ College conducts two Internal Examinations in each semester as per the guidelines of affiliating university.
➢ Teachers conduct the seminars, class tests for the PG students.

- These test patterns give the output of effective curriculum.

1.1.3 What type of support (procedural and practical) do the teachers receive? (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- **University:**

➢ The university prepares the curriculum and provides to the college.
➢ At the time of framing curriculum, university communicate with the BOS.
➢ University conducts the workshop on revised syllabus time to time.

- **Institution:**

➢ The Principal of the college encourages the teachers to attend curriculum designing workshops.
➢ College faculty members actively participate in the syllabus restructuring workshop, seminars and conferences.
➢ Faculty members are also allowed to attend the orientation and refresher courses.
➢ The faculties are provided the benefit of Faculty Improvement Programme.

➢ As per new/revised curriculum, the required study materials (reference books, journals, laboratory equipments) are provided by the college.

➢ Every year management provides a fixed budget for every department for implementation of the curriculum.
Example: Department of Chemistry has a budget of Rs. 6,50,000/- per year or implementation of new curriculum and regular needs of the department.

➢ College gives the feedback to university about curriculum.

➢ Faculties are allowed to conduct extra classes.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

Departments of our college takes initiative in teaching learning process for effective delivery of the curriculum like.

➢ Annual curriculum plan is prepared

➢ Department wise, subject wise curricular plans are prepared.

➢ Students seminars and group discussions

➢ Classroom and ICT based modern teaching aids.

➢ The college teachers take the review of the curriculum to be taught and prepare the teaching plan for theory and practical.

➢ The faculties are well trained through orientation programmes, refresher courses, workshops, seminars, conferences.

➢ Guest lectures are organized for the students.

➢ All the books and journals are made available to the teachers and students.

➢ The students are provided a separate reading room.

➢ To provide the real life experience, field trips are arranged by the department of Chemistry, Zoology, Botany, Microbiology and Computer Science.

➢ College provides the internet facility for faculty and students.

➢ The Remedial classes are arranged by the faculty for the below average students.

➢ For the meritorious students extra coaching, project works are given by the faculty.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

➢ The college faculty interacts with beneficiaries through field trips to the industries, research bodies and universities.

➢ A number of faculty members of the college are working as a Research Guide of SRTM University.

➢ The curriculum of COC courses is designed with the guidance of industrialist and research bodies.

➢ The guest lectures are also arranged by inviting expertise from industrial background and university Professors involved in research. It helps in effective operationalisation of the curriculum.

➤ College has developed MOU with corporate for project work in the subject of Chemistry, Microbiology, Biotechnology and all COC courses.

1.1.6   What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

➤ The staff of our college is in contact with the members of board of studies of their respective subjects.
➤ They communicate the needs and difficulties of the students for the development of curriculum.
➤ Feedback committee takes the feedback from the students, stakeholders and alumni and gives the specific suggestions about curriculum.

• **The following faculty members of our college have been nominated in different bodies of SRTM University, Nanded.**

Sr. No.	Name of Faculty	Department	BOS / University Chairman / Member	Year
1.	Dr. J.S. Dargad	Physics	1. BOS Member 2. Faculty of Science Member	2006-2011 2011-till date
2.	Shri. S.N. Ibatte	Chemistry	BOS Chairman	2004-2006
3.	Shri.A.M. Chougule	Industrial Chemistry	1. Invitee BOS Member. 2. Ad-hoc Board Member. (Dr. BAM University)	2009-till date 2009-2012
4.	Shri. R.K. Jadhav	Industrial Chemistry	1. BOS Member	2012-till date

1.1.7   Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university)by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Yes, the institution has developed curriculum for certain programmes sanctioned by UGC other than those under the purview of the affiliating university and the details are in the following table.

Sr No	Name of Courses	Sanctioned by	Sanction Duration
1	Electronic Equipment Maintenance,	U.G.C (COC)	5 Year
2	Embedded Software System design	U.G.C (COC)	5 Year
3	Food Processing	U.G.C (COC)	5 Year
4	Computer Hardware Networking	U.G.C (COC)	5 Year

5	Drug Analysis	U.G.C (COC)	5 Year
6	Mobile Repairing	U.G.C (COC)	5 Year
7	MATLAB Training course	U.G.C (COC)	5 Year
8	P.G. Diploma Course in Bioinformatics	U.G.C (Innovative Scheme)	5 Year

- **The Process of Curriculum Development:**

1. **Need Assessment:** Need assessment is done even before the choice of the programme. This is done by evaluating the feedback from stakeholders.

2. **Design of Curriculum:** This is done by an Expert Committee of Department Head, Experts from industry, Research and University and the Programme Co-ordinator. If the course is inter-disciplinary, Heads of departments and experts from all the departments concerned will be the members of the committee. The designing part is done after making a thorough evaluative study of the content and design of similar programmes offered by various other universities at National /International level.

3. **Development and Planning:** Target group and their needs are given priority while designing curriculum. (For example, the consideration whether it is a UG or PG or Post PG Programmes). The objectives of the group also are given focus. Throughout the designing stage, focus is set on the objectives pre-determined for the programme as well as the objective of the institution. Duration of the programmes, hours of teaching, courses (Theory as well as Practicals) offered, Projects or internships if any, mode of assessment are the other concerns that arise at the departments planning stage.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

The Institution has formed communication channels among all the stakeholders to ensure that the objectives of the curriculum are achieved through the critical analysis of the following:

- **Student Performance:-**

➢ Internal assessment and grades, semester examinations, project work, presentations, organizing seminars and workshops, skill based programmes and curriculum based training.

- **Quality Enhancement of Faculty:-**

➢ Regular enhancement of teaching and delivery skills along with the theoretical inputs through participation in national and international workshops, seminars, conferences, discussions.

- **Achievements of Faculty :-**

➢ Professional qualifications pertaining to the areas of specialization, paper presentations and publications in reputed journals.

- **Overall Performance of the Institution:-**

➢ Participation in various cultural activities, competitive examinations achieved stakeholder's benefits, progression of alumni, and keeping up the brand name of the Institution.

- **Awareness Programme:-**

➢ Health and Hygiene, Computer Awareness, Human Rights, Environmental Issues, Women Empowerment.

- **Social Service to the Community:-**

➢ Conducting outreach activities such as Blood donation, NSS, NCC etc in order to serve the society.
➢ In addition with university curriculum the College has started COC courses for the students, facilitating the creation of knowledge and skilled human resources to accept the social and scientific challenges and responsibilities at regional, national and global level.
➢ College has a committee of Innovative courses of UGC with nodal coordinators to access the objectives.
➢ The courses are affiliated with the university and the examinations are conducted as per the guideline of the university.
➢ College conducts examination and also issues certificates to the students.
➢ Students of these courses are also sent for apprenticeship training.
➢ College also provides the facilities of Practical hands on experience.

1.2   Academic Flexibility

1.2.1   Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

College has successfully started seven skill oriented/COC courses. The goals and objectives of the certificate/diploma/skill development courses are as follow:

1.   Electronic Equipment Maintenance:

➢ To prepare market oriented skills in Electronic Equipment for Maintenance and repairing.
➢ To enhance self employment and career oriented skills.
➢ A deep understanding of the internal structure of electronic equipments.
➢ To get high level skills to repair the electronic equipments.

➢ To understand the social, legal and ethical issues regarding electronic equipments.
➢ To make students economically independent.

2. Embedded Software System design:

➢ To make awareness about Embedded system in different machineries.
➢ To prepare students to join higher courses in such field.
➢ To prepare market oriented skills in Embedded system.
➢ Empowerment of the students of rural and urban area

3. Computer Hardware Networking:

➢ To prepare market oriented skills in Computer Hardware and networking.
➢ To enhance self employment and career oriented skills.
➢ Deep understanding of the computer hardware and computer networking
➢ High level of skill in developing Network labs.
➢ Understanding of the social, legal and ethical issues in computer networking.
➢ Student should become economically independent.

4. Mobile Repairing:

➢ Preparing the students for their career and market oriented skills to fit for job utility.
➢ Inculcating the confidence for self employment in the course.
➢ Empowerment of the students of rural and urban area.
➢ Improving technical ability and encouraging them to create jobs in society.
➢ Equipping the students with add-on orientation course along with a conventional degree in science.

5. Food Processing:

➢ To create opportunities of self employment among students.
➢ To create opportunities in food processing industries.
➢ To create awareness about enhancing shelf life of food items.
➢ To impart the knowledge of food processing.

6. Drug Analysis:

➢ To create job opportunities in Pharmaceutical and medicinal industry.
➢ To impart the knowledge of Drugs.
➢ To create opportunities of self employment among students.
➢ An understanding of the social health and hygiene.
➢ Student should become economically independent.

7.   MATLAB Training Course:

➢   To calculate the problems of differential and Integral equation.
➢   To plot the graph of 2-D and 3-D.
➢   To solve the problems in nonlinear function.
➢   To find the solution of research level problems.

•   To fulfill the aims and objectives of these courses, the coordinators continuously give the knowledge to the student with practical base and refer them to the corresponding companies for placement.

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'Yes', give details.

➢   As of now, the college does not offer programmes of twinning/dual degree?

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

The college has to follow all programmes and policies regarding the curriculum designed by the university. But there is little academic flexibility. Admission policy provides flexibility with respect to change in core subjects on the following ground:

➢   Students have an opportunity to change their subject combination, by applying within fifteen days for the last date of admission.
➢   Range of Core /Elective options offered by the University and those opted by the college

➢   Choice Based Credit System and range of subject options: **Nil**
➢   Courses offered in modular form: **Nil**
➢   Credit transfer and accumulation facility: **Nil**
➢   Lateral and vertical mobility within and across programmes and courses: **Nil**
➢   Enrichment courses :   **Nil**

•   **The college offers following Core/Elective courses at graduate and post graduate level.**

Sr. No.	Courses	Subjects / Subject combination	Admission to Degree Courses	Duration of Courses
1.	B.Sc. (I,II,III)	1 English (Compulsory) 2 Marathi / Hindi (Any one Subject) 3 Optional Subjects (Any one Group) Physics -Mathematics - Chemistry Physics-Mathematics - Electronics Physics-Mathematics - Computer Science Physics- Electronics - Computer Science Physics- Chemistry - Electronics Chemistry-Physics - Computer Science Chemistry-Physics - Industrial Chemistry Chemistry- Botany - Zoology Chemistry-Microbiology - Botany Chemistry- Microbiology - Zoology Microbiology- Zoology - Botany Botany-Zoology- Fishery Science Chemistry-Industrial Chemistry- Mathematics	1 Eligibility: 12th Science Pass, 2 Intake Capacity : 480 3 Admission Pattern : Merit Basis, 4 Fee Structure : As Per University Rules.	3 Year.
2	B.Sc. (C.S.) (I,II,III)	Computer Science	1 Eligibility: 12th Science Pass, 2 Intake Capacity : 180 3 Admission Pattern : Merit Basis, 4 Fee Structure : As Per University Rules.	3 Year.
3	M.Sc. (I,II)	1 Chemistry (Organic) 2 Microbiology 3 Computer Science 4 Biotechnology	1 Eligibility: B.Sc. With Chemistry / Computer Science /Microbiology / Biotechnology. 2 Intake Capacity : 60 for each course 3 Admission Pattern : Merit Basis, 4 Fee Structure : As Per	2 Year.

			University Rules.	
4	P.G. Diploma	Bioinformatics.	1 Eligibility: B.Sc. Degree in any branch of, Pharmacy, Agriculture, Medicine, Life Sciences and Biotechnology. 2 Intake Capacity : 20 for each course 3 Admission Pattern : Merit Basis, 4 Fee Structure : As Per University Rules.	1 Year.
5	Career Oriented Certificate Courses	1 Electronics Equipment Maintenance 2 Embedded System Design 3 Food Processing 4 Computer Hardware & Networking 5 Mobile Repairing 6 Drug Analysis	1 Eligibility: Any Under Graduate Student admitted in the College 2 Intake Capacity : 25 for each course 3 Admission Pattern : Merit Basis, 4 Fee Structure : As Per University Rules.	1 Year.

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes, the institution offeres self-financed programmes listed as follows:

1)   B.Sc. Computer Science.
2)   M.Sc. Chemistry.
3)   M.Sc. Microbiology.
4)   M.Sc. Computer Science.
5)   M.Sc. Biotechnology.

➢   The above courses have equal weightages and run parallel as per the admission, curriculum, and teacher qualification are concerned as that of the grant in courses.
➢   There is a difference in fees structure and salary of the staff. The Fees structure details of these programmes are given in the prospectus of the college.
➢   These programmes are affiliated to Swami Ramanand Teerth Marahtwada University, Nanded and the curriculum is designed by the same university.
➢   The fees structure is provided by the university.
➢   The qualification of teacher is as per UGC norms.
➢   The Management appoints teachers for these courses on contract salary basis.

1.2.5   Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

Yes, the college offers following additional skill oriented programmes relevant to regional and global employment markets.

1. Electronic Equipment Maintenance
2. Embedded System Design
3. Food Processing
4. Computer Hardware Networking
5. Mobile Repairing
6. Drug Analysis
7. MATLAB Training Course

➢ All the above courses are designed to develop certain skills among the students and make them employable.
➢ Some of students get job in the different companies corresponding to their course.
➢ The students are provided additional skills for the effort of their own business.

• **The details of these courses are as follows:**

Name of the courses	Year Wise Details of Students											
	2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014	
	Appe-ared	Pass out	Appe-ared	Pass out	Appe-ared	Pass out	Appe-ared	Pass out	Appe-ared	Pass out	Appe-ared	Pass out
Electronic Equipment Maintenance	23	23	20	20	10	10	15	15	15	15	15	---
Embedded System Design	---	---	10	10	21	21	15	15	17	17	18	---
Food Processing	---	---	16	16	19	19	16	16	17	17	21	---
Computer Hardware Networking	---	---	---	---	15	15	16	16	15	15	18	---
Mobile Repairing	---	---	---	---	---	---	---	---	15	15	15	---
Drug Analysis	---	---	---	---	---	---	---	---	15	15	15	---

1.2.6   Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

➢ The affiliating university provides the flexibility of combining the conventional face-to-face and distance mode of education for the students.

➢   This facility is not permissible for the college.

1.3   Curriculum Enrichment

1.3.1   Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

➢   The college is affiliated with the University and therefore the general courses designed for affiliated Institution are common in nature.

➢   In integrating institution goals and objectives with the university curriculum the academic programmes are designed in the form of calendar and accordingly it is going to be executed.

➢   Keeping in view of the goals and objectives of the Institution, college offers different career oriented courses like Electronic Equipment Maintenance, Embedded Software System design, Food Processing, Computer Hardware Networking, Drug Analysis, Mobile Repairing, MATLAB Training course, and PG Deploma in Bioinformatics.

➢   These courses are need based and job oriented courses as per their local needs termed as add-on courses.

        At the end of year, the students are awarded a Certificate/Diploma/ in an add-on orientation course along with a conventional degree in science.

➢   The students are also encouraged to participate in national programmes, such as- Pulse Polio, Blood donation, services at time of natural calamities and other programmes.

➢   NCC provides training with Motto of **Unity and Discipline.**

1.3.2   What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

➢   The curriculum is supplemented with add on courses to the students which are benefited in the best possible manner.

➢   The college enriches the curricular activity by addition of field work, field visits and industrial visits.

➢   The college prepares the students to face the ever changing markets to enriching themselves by doing project work, group discussion and seminars.

➢   In addition, English department of our college runs Spoken English Course for the students for better prospects in job market.

➢   Suggestions received from the students are regularly communicated to the BOS of university of the concern subjects.

1.3.3   Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Quality curriculum is one that responds to the society's needs resulting from the emerging issues and challenges. The college is aware regarding its social obligation and duty to humanity. The college has taken efforts to integrate the cross cutting issues currently addressed in the curriculum which are:

➢ Through Women Cell and Yuvti Kalyan Mandal 'National Women Day' is celebrated and during this programme the girl students are made aware of their rights.

➢ College conducts essay writing, elocution, and quiz competition for inculcating awareness among the students.

➢ Human Rights Day is organized by the NCC and NSS on 10th December to create awareness about human rights.

➢ NCC and NSS organized an awareness programmes on Disaster Management Training.

➢ College is making constant efforts to enrich the campus with greenery to keep environmental balance.

➢ Environmental education is provided to B.Sc. IIIrd year students by a separate subject paper.

➢ The college has sanctioned project by Maharashtra Pollution Control Board (MPCB), through which various parameters of air pollution of the Latur city region are analyzed. This information is displayed periodically to the students.

➢ Department of Chemistry assigns annual research project on environment for PG students and also provides necessary information to the students.

➢ Department of Zoology organized three days workshop on 'Field Zoology, Biodiversity Conversion and Endangered Species'.

1.3.4   What are the various value-added courses / enrichment programmes offered to ensure holistic development of students?

- **moral and ethical values**
- **employable and life skills**
- **better career options**
- **community orientation**

- **Moral and ethical Values:**
➢ The college has established Literary and Cultural Association which organizes the speeches of eminent personalities and the details are:

Sr. No.	Year	Inaugurator
1.	2008-2009	Shri. Sanjay Ghadge(Poet)
2.	2009-2010	Shri. Sharad karkhanis(Dainik Ekmat)
3.	2010-2011	Dr. Babasaheb Gore(Academician)
4.	2011-2012	Dr. Sunita Ghodake(Assist. Prof.)

| 5. | 2012-2013 | Shri. Bharat Satpute(Poet) |
| 6. | 2013-2014 | Mrs. Darshna Deshmukh(Poet) |

➢ Arranged the special speech on the occasion of Swami Vivekanand's Sardh Shati Mohstav delivered by Dr. J.M. Bisen, Vice-Principal, Dayanand Arts College, Latur.

• **Employable and Life Skills**:

➢ To instill the employable and life skills and better career options, the college conducts the following programmes:

1. Spoken English Classes conducted by English Department.
2. Soft Skills and Personality Development Programme.
3. COC Courses.
4. Group Discussions.

➢ College establishes Student's Council under which various associations like Science Association, Cultural and Litrary Association and Yuvati Kalyan Mandal are formed. Through these associations students are given direct responsibilities to organize different events, which helps to develop organizing and cultural skills.

➢ Yuvati kalyan Mandal has organized Financial Literacy workshop in collaboration with Security and Exchange Board of India (SEBI).

➢ Students also participated in one day district level workshop on Soft Skill & Personality Development.

• **Better Career Options**

For better career of students, college has started guidance cells:

➢ Reparation for Competitive Examination
➢ Career Guidance and Counseling
➢ NET-SET Courses
➢ Special Guidance for IIT-JAM Examination.

• **Community Orientation**

➢ The college N.C.C. and N.S.S. units play a lead role in implementing community activities like tree plantation, blood donation, water shade management programme, disaster management programme, eco friendly activities, anti corruption rally, marathon rally against gang rape.

➢ Extension activity under N.C.C. and N.S.S. for community development being organized every year in the regular college programme and in ten days special camping programmes under various themes.

➢ Through N.S.S. college has arranged ten days camp every year and the details are:

Sr. No.	Year	Themes	Village	Students Participated
1.	2005-2006	Aaptkalin Vyavsthapanasathi Yuvak Shibir	Sankrala Tq. Ausa Dist. Latur	75
2.	2006-2007	Aaptkalin Vyavsthapanasathi Yuvak Shibir	Dapegaon Tq. Ausa Dist. Latur	75
3.	2007-2008	Sumrudha Bharatasathi Sudhrud Yuvak	Shivali Tq. Ausa Dist. Latur	75
4.	2008-2009	Sumrudha Bharatasathi Sudhrud Yuvak	Shivali Tq. Ausa Dist. Latur	75
5.	2009-2010	Sumrudha Bharatasathi Sudhrud Yuvak	Shivali Tq. Ausa Dist. Latur	75
6.	2010-2011	Paryawaran aani Naisargik Sadhan Sampatichya Sanvardhanasathi Vishesh Shibir.	Bokangaon Tq.Dist. Latur	75
7.	2011-2012	Paryawaran aani Naisargik Sadhan Sampatichya Sanvardhanasathi Vishesh Shibir.	Takali: (BK.) Tq.Dist. Latur	75
8.	2012-2013	Paryawaran aani Naisargik Sadhan Sampatichya Sanvardhanasathi Vishesh Shibir.	Takali: (BK.) Tq.Dist. Latur	75

➢ The college sends the cadets in NCC camps like Army Attachment, ATC, RDC, and CATC every year.
➢ The celebrations of the Independence Day, the Republic Day, Teacher Day, Welcome Day and Annual Day, generate a sense of commitment to the society and to the Nation among the students.
➢ There is a linkage of Yuvati Kalyan association and local NGO for organizing events for women empowerment.

1.3.5   Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

➢ The college is obtaining feedback from outgoing students regularly.
➢ The college has a suggestion box.
➢ There is separate committee for getting feedback from students and stakeholders.
➢ College also has electronic facility for getting feedback.
➢ The college has formed alumni association. The association meeting is organized annually.

Few of the suggestions given by the alumni for enriching the curriculum are:

1. To start employment based skill oriented courses.
2. To start Joint Entrance Examination (JEE) coaching.

3.   Computer Literacy Programme for teaching and non-teaching staff.
4.   To develop communication skill among students.
5.   To start UPSC and MPSC coaching classes in the campus.

College has taken following steps to implement the above suggestions from the stakeholders:

1.   College has started skill oriented courses as mentioned in 1.2.1 as per needs of the students & for job orientation particularly in Industry.
2.   JAM coaching is started and expert teachers from Vidyasagar coaching and Narayana Institute regularly conducts the classes.
3.   Computer literacy programme is arranged by the computer department
4.   English Department has started spoken English course for students and staff.
5.   College runs UPSC and MPSC classes in celebration with Dayanand Arts College.

1.3.6. How does the institution monitor and evaluate the quality of its enrichment programmes?

➢   The college Management, Principal, Vice-Principal and HOD of all departments monitor and evaluate the quality of the programmes conducted by the faculty.
➢   In the Local Management Council (LMC) college produces academic reports for overall discussion.
➢   The level of the students and their understanding is monitored through internal unit tests, seminars and placement interview.
➢   Results are analyzed and accordingly remedial classes and advanced teaching are arranged.

1.4   Feedback System
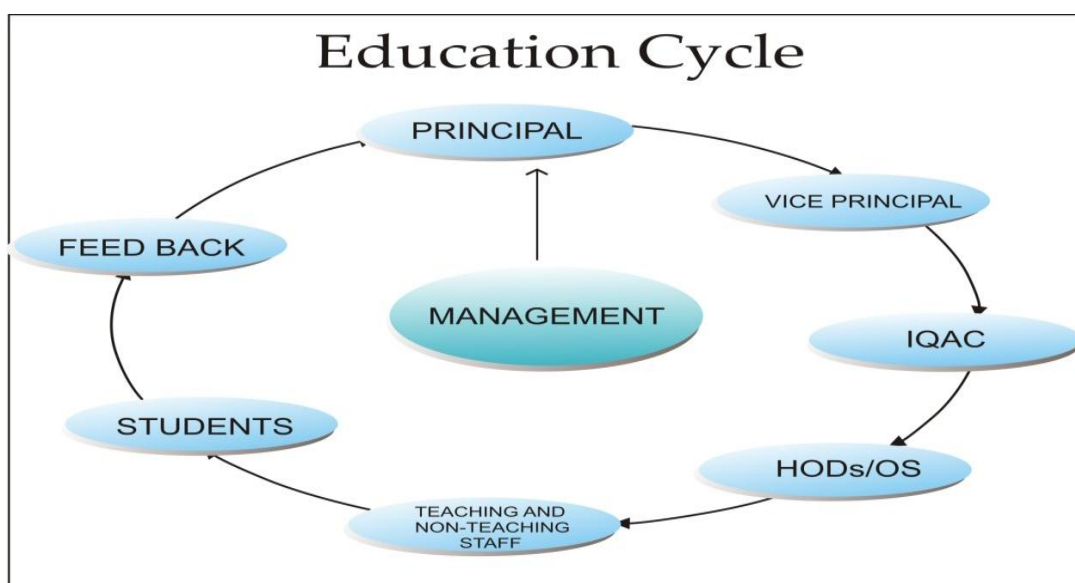
1.4.1   What are the contributions of the institution in the design and development of the curriculum prepared by the University?

➢   By taking feedback about the curriculum the suggestion of students are communicated to BOS members for design and development of curriculum.
➢   According to the suggestions of the Industries and their requirement about curriculum, the faculty members communicate with BOS members for curriculum.
➢   The college runs seven COC programmes. The curriculum for these programmes are designed and developed by the college as per the social needs and self employment.

1.4.2   Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

➢   Yes. There is formal mechanism of obtaining feedback based on the questionnaire designed by the college from students and stakeholders on curriculum.
➢   The Principal and senior staff members interact with the students about the curriculum and provide feedback to teachers in staff meetings.
➢   After designing curriculum university arranges a workshop on designed curriculum. Our faculty members participate in the workshop and communicate the required changes as per feedback to the BOS members.

1.4.3   How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

The college has introduced following courses during the last four years.

Sr. No.	Name of Course	Degree / Other	Duration of Course	Year
1.	M.Sc. Computer Science	Degree (PG)	2 year	2009
2.	M.Sc. Biotechnology	Degree (PG)	2 year	2010
3.	Embedded System Design	UGC Certificate Course	1year	2009
4.	Food Processing	UGC Certificate Course	1year	2009
5.	Computer Hardware Networking	UGC Certificate Course	1year	2010
6.	Mobile Repairing	UGC Certificate Course	1year	2012
7.	Drug Analysis	UGC Certificate Course	1year	2012
8.	MAT LAB Training Course	UGC Certificate Course	1year	Sanctioned 2013
9.	PG Diploma in Bioinformatics	PG Diploma	1year	2010

The main purpose of these courses for the students is to start the business in the market.

- Any other relevant information regarding curricular aspects which the college would like to include.

➢ The academic leadership of our college always lies in the university S.R.T.M.U. Nanded.
➢ The design of new curriculum of the university always made by discussion of our faculties by the University.
➢ Enrichment of college library.

CRITERION – II: TEACHING LEARNING AND EVALUATION

2.1 Student Enrolment and Profile:

2.1.1 How does the college ensure publicity and transparency in the admission process?

i) Publicity of admission process:

a) Prospectus:

➢ At the start of academic year, the College prepares updated prospectus which provides detailed information about the college regarding the courses offered and infrastructural facilities.

➢ It also provides intake capacity, eligibility criteria for admission to each course, fee structure, documents necessary for the admission, etc.

➢ It also enlists the subject combinations for three years B.Sc. Course. The subject structure of three years B.Sc. (Computer Science) Course, M.Sc. Courses in Chemistry, Microbiology, Computer Science and Biotechnology and P.G. Diploma in Bioinformatics is also mentioned in the syllabus.

➢ The prospectus also provides information detailed information about academic as well as support facilities. The academic calendar, rules and regulations and prizes for rank holders are also mentioned in the prospectus.

➢ There is separate brochure for the UGC-sanctioned Career Oriented Courses (C.O.C.) offered by the College. It contains all the information about the courses.

b) College Website:

➢ In addition to issuing of prospectus, the college has developed its website: http//www.dsclatur.org for the convenience of students and parents. The website contains all the information mentioned in the prospectus as well as bio-data of faculty.

c) Print media:

➢ The college regularly publishes advertisements about admissions in leading regional newspapers. Whenever new courses or subjects are introduced, the college publishes the advertisements in leading regional newspapers like 'Sakal', 'Lokmat', 'Ekmat' and some other local newspapers.

ii) Transparency in admission process:

➢ The College follows all the norms for admission laid down by Swami Ramanand Teerth Marathwada University, Nanded and Government of Maharashtra. It follows the guidelines regarding reservation to the backward classes. In order to ensure transparency, the merit list is displayed on notice

board and ample time is given to get admission. The closing date of admission as per University guidelines is also displayed. In this way, the College ensures transparency in the admission process.

2.1.2   Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to   various programmes of the Institution.

➤   The College follows all the norms for admission laid down by Swami Ramanand Teerth Marathwada University Nanded and Government of Maharashtra. It follows the guidelines regarding reservation to the backward classes.

Admission to UG and PG Courses:

➤   For UG and PG Courses, admissions are given on merit basis. Separate admission committee is formed by the College for UG and PG courses. The committee guides the students about the registration and admission process.
➤   It also provides information about the courses offered by the College. After completion of registration process, check list is displayed on notice board.
➤   The registration forms are scrutinized by the members of admission committee and merit lists are prepared and displayed on notice board and ample time is given to the students to get the admissions.

Admission to PG Diploma and Career Oriented Courses:

➤   For P.G. Diploma, students are admitted on first come first serve basis. In case of the Certificate Courses, interested students may opt. any course of their choice.

2.1.3   Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

As stated above, admissions for UG and PG Courses are given on merit basis. The students who fulfill the minimum criteria for admission as per university norms are admitted. The following table indicates the percentage of marks at entry level in this College and in near vicinity:

Name of Course	Minimum Eligibility Criteria	Percentage at Entry Level	Percentage of Marks at entry level in near vicinity`
B.Sc.	Passed H.S.C exam. in Science Faculty	Min-50 Max-89	Min-35 Max-72
B.Sc. (Computer Science.)	Passed H.S.C exam. in Science Faculty	Min-40 Max-75	Min-35 Max-60
M.Sc. (Chemistry)	Passed B.Sc. exam. with the concerned subject as an optional	Min-65 Max-88	Min-55 Max-72
M.Sc. (Microbiology)	Passed B.Sc. exam. with the concerned subject as an optional	Min-40 Max-65	Min-45 Max-65
M.Sc. (Computer Science)	Passed B.Sc. exam. with the concerned subject as an optional or passed B.C.S. or B.C.A.	Min-45 Max-88	Min-40 Max-70
M.Sc. (Biotechnology)	Passed B.Sc. exam. with the concerned subject as an optional	Min-40 Max-60	Min-40 Max-55
P.G. Diploma in Bioinformatics	Passed B.Sc. or M.Sc. exam.	Min-40	Not Available
Career Oriented Courses (C.O.C.)	Any Student Admitted at Graduation level.	Min-50 Max-80	Not Available

2.1.4   Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Review of admission process :-

➢ The college takes a review of the students admitted in each course. The maximum intake for the B.Sc. Course is 480, for B.Sc. (Computer Science) it is 180 and for M.Sc., intake capacity is 60 students per subject.

➢ When the admissions of B.Sc. first year reach to the maximum, the college makes the efforts to increase the intake capacity. As per the University norms, college fills up 10% extra seats with prior permission from university. College maintains group wise balance of students. Reservation policy is strictly followed.

➢ After the admission process is completed, the Principal takes a review of the admission procedure from teaching and non-teaching staff. If any difficulties in admission procedure are reported either by teaching or non-teaching staff, they are resolved in the next year.

➢ The individual departments monitor the progress of students by maintaining students profile. Thus slow learners and advanced learners are identified.

Outcomes:

➢ Bridge courses are arranged for slow learners of B.Sc. I year and B.Sc. (Computer Science) I year students. Remedial classes are arranged for Second year and Third year students. Career guidance for outstanding students is also arranged.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- **SC/ST**
- **OBC**
- **Women**
- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

a)   Students from disadvantaged community (SC/ST/OBC):

➢ There is reservation for students belonging to disadvantaged community as per Govt. of Maharashtra notifications.
➢ The college takes every care to ensure the reservations meant for disadvantaged community every year. Category wise lists of students are displayed and admission is given. If the seats remain vacant, students from other category are admitted.
➢ As the students for SC, ST and OBC category get their tuition fees from the government, at time of admission, college takes minimum fees excluding tuition fees from these students, so that these students get attracted for admission and their strength gets increased. In critical cases, the college level fee is excused.
➢ The following table shows the number of students admitted in the college during the last five years and their percentage in total admissions.

Categories	2009-2010		2010-2011		2011-2012		2012-2013		2013-2014	
	Total	%	Total	%	Total	%	Total	%	Total	%
SC	76	12	55	10	70	13	75	14	97	16
ST	03	02	02	02	03	02	05	02	07	02
OBC	50	10	145	30	175	30	196	40	202	42
Total	149	24	212	42	248	45	271	56	306	58

b)   Women:

➢   The strength of women students is already more than male students. So there is no any need to get any improvement policy during admission process. The number of women students admitted in college during last five years is as follows.

Categories	2009-2010		2010-2011		2011-2012		2012-2013		2013-2014	
	Women	%	Women	%	Women	%	Women	%	Women	%
Women Student	210	55	254	50	299	52	296	43	417	53

c)   Differently-abled:

➢   There is reservation for students belonging to differently-abled categories as per UGC notification. Their requirement and needs are given special care and attention. The canvassing is made to the differently abled students to get admission in the college.

d)   Economically weaker sections:

➢   The government pays tuition fees of students from economically weaker sections. These students from economically weaker sections are advised to apply for availing of fees concession within time.
➢   They are guided about filling and submitting form for availing EBC Scholarship.

e)   Minority community:

➢   The students coming from minority community are also eligible for scholarships from the government. Such these students from minority community are informed about the scholarship and guided to apply for scholarship.

f)   Any Other:

2.1.6   Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Programs	2010-2011			2011-2012		
	Number of applications	Number of students admitted	Demand Ratio	Number of applications	Number of students admitted	Demand Ratio
B.Sc.	450	409	1.1	580	447	1.2
B.Sc. (Computer Sci.)	50	50	1.0	58	58	1.0

Programs	2010-2011			2011-2012		
	Number of applications	Number of students admitted	Demand Ratio	Number of applications	Number of students admitted	Demand Ratio
M.Sc. (Chemistry)	108	71	1.5	115	71	1.6
M.Sc. (Microbiology)	61	61	1.0	41	41	1.0
M.Sc. (Computer Sci.)	30	25	1.2	90	68	1.3
M.Sc. (Biotechnology)	08	08	1.0	04	04	1.0
P.G. Diploma in Bioinformatics	04	04	01	03	03	1.0

Programs	2012-2013			2013-2014		
	Number of applications	Number of students admitted	Demand Ratio	Number of applications	Number of students admitted	Demand Ratio
B.Sc.	678	541	1.3	865	633	1.40
B.Sc. (Computer Sci.)	44	44	1.0	74	74	1.0
M.Sc. (Chemistry)	110	64	1.7	120	59	2.3
M.Sc. (Microbiology)	20	16	1.3	24	24	1.0
M.Sc. (Computer Sci.)	80	66	1.2	60	53	1.2
M.Sc. (Biotechnology)	10	10	1.0	07	07	1.0
P.G. Diploma in Bioinformatics	07	07	1.0	04	04	1.0

B.Sc.:

➢ It has been observed during last four years that, the strength of B.Sc. in basic sciences is increased. As far as our college is concerned, it is found that, the number of registration is more than the intake capacity.

➢ This increase may be attributed to a decline in admissions to professional courses, viz. Engineering, Polytechnic and other Computer courses. At the same time, our college organizes DST- INSPIRE science camps, for the students of Junior college to attract them towards basic sciences and it has been seen that, meritorious students get admitted for B.Sc. basic science course. Few of the students are receiving INSPIRE-SHE Scholarship.

B.Sc. (Computer Science):

➢ It has been observed during last four years that, the student strength for B.Sc. (Computer Science) is sustained. In the present academic year, it is increased. This increase may be due to the fact that for the students who did not get admission in basic sciences, there was no alternative for them and they opted for B.Sc. (Computer Science) Course.

M.Sc. (Chemistry):

➢ The student strength for M.Sc. (Chemistry) is fulfilled during last four years with high number of registrations.

M.Sc. (Microbiology):

➢ It has been observed that, there is a decline in strength of students to M.Sc. (Microbiology) course. It may be due to less passing percentage of B.Sc. (Microbiology) in this region. At the same time, in the neighboring universities, this P.G. course has been introduced. So from the nearby districts, less flow of students has been observed.

M.Sc. (Biotechnology):

➢ As this course is newly introduced in our college, student strength is less.

M.Sc. (Computer Science):

➢ The strength of students is sustained for this course during last four academic years.

2.2　Catering to Diverse Needs of Students.

2.2.1　How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

➢ As per the Government norms, seats are reserved for differently abled students. The college implements schemes of Government of Maharashtra and U.G.C. for benefit of such students.

➢ The differently abled students are advised to make use of freeship provided by Government of Maharashtra. The college has a provision of lift, which is under construction, which will be helpful for such students. As library and reading room both are located at ground level, such students does not feel any inconvenience.

➢ The college also gives priority to the differently abled students in the admission to the hostel.

2.2.2　Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

➢ Yes. The student is assessed at the time of admission on the basis of marks at entry level, computer literacy, communication skills, etc. by the panel of teachers. The subject teachers also assess the knowledge and skills of the students through interaction and discussion with them. It is expected that this analysis and the performance of students at qualifying examinations are likely to create a base for monitoring the future progress of students.

2.2.3 **What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Add-on/Enrichment Courses, etc.**

➢ Through class room interaction and discussion with students, the teacher identifies slow learners (students having knowledge gap) initially. Such students are also identified on the basis of marks obtained in the internal examination.

➢ To bridge the knowledge gap, the teachers make the students to revise and recall their knowledge gained in previous classes. For this, extra classes are conducted. Remedial coaching classes are also arranged for the weaker students.

2.2.4 **How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?**

➢ In our college, equal weightage is given to male and female students. Programmes are conducted by N.S.S. and N.C.C. Units on same platform for male and female students. The practical are also commonly conducted. There are common facilities such as library, canteen, auditorium and reading room etc. for male and female students. There is no differentiation in between male and female students and there is equal treatment to them.

2.2.5 **How does the institution identify and respond to special educational / learning needs of advanced learners?**

➢ The teacher identifies the advanced learners through their performance in previous examination and through interaction with them. The advanced learners are also identified on the basis of performance in internal and University examinations. Such active students are selected.

The institution adopts following strategies for facilitating advanced learners:

➢ Felicitation of meritorious students in Annual Social Gathering.
➢ Encouragement of advanced learners to participate in various curricular and co-curricular activities; such as seminars, group discussions, quiz competitions, etc.
➢ Steps to enhance their communication skills, art of reading – learning/and inculcate reading habit.
➢ Organization of interaction with alumni pursuing higher education as well as those holding higher positions.
➢ Implementation of parent-Teacher scheme to provide more care for advanced learners.
➢ Extra coaching is provided to advanced learners.
➢ Counseling to the advanced learners regarding preparation for different examinations such as IIT, GATE, JAM, etc.

2.2.6 **How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?**

➢ After declaration of results by the University, results of every class and all subjects are analyzed. The students who are failed are advised to apply for supplementary examination. Counseling is done by the senior teachers. The institution gives the facility to borrow the necessary books from the library. Remedial classes are arranged for unsuccessful students to improve their performance, so as to minimize the drop- out rate. Every care is taken so that he or she should not be thrown out of the stream.

➢ Parent Relation officer (PRO) is appointed by the college. The PRO contacts with the parents of students showing low performance. There is a committee who collects the data of absent students. Such students are counseled and care is taken to improve their performance.

2.3 **Teaching-Learning Process:**

2.3.1 **How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)**

➢ Academic Calendar of College is planned every year by the IQAC. While preparing the Academic Calendar, the committee takes into account, the academic calendar prepared by the university. Academic Calendar of College is included in the college prospectus that is printed every year.

➢ Academic Calendar of college is mainly based on two important provisions. They are as follows:

➢ The university specifies the frame work for academic schedule – Teaching, Learning and Evaluation (TLE). It includes number of semesters, working/teaching days, number of subjects – papers to be taught, teaching hours per theory paper or practical, semester-end examinations and method of assessment and declaration of results. The syllabus for all the subjects is prescribed by the University.

➢ The Internal Examination Committee prepares the schedule for internal examinations (Examination schedule, evaluation schedule, etc).

➢ Based on these provisions, teaching, learning and evaluation schedule of the College is planned, organized and informed to the HODs for implementation.

➢ The departmental meeting is conducted in which teaching plan for each paper is prepared. Departmental meetings are conducted at regular intervals to discuss the completion of syllabus as per teaching plan.

➢ Extra periods are made available on general holidays and Sundays to complete the syllabus as per academic calendar.

➢ Thus, the systematic step provides, in advance, the information about teaching, learning and evaluation to all stakeholders. Students get information about the

academic programme i.e. teaching days, learning days, components to be learnt, schedule of internal examinations and evaluation process. Teachers get information about the time frame for teaching – learning process and ensure the total attention for the completion of syllabi and possible revision.

➢ At the end of each semester, an examination is held by the University and is evaluated by University.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

➢ The IQAC conducts the meeting at regular intervals. It circulates its plans and perspectives to all the stakeholders. It collects the record time to time and maintains the document evidences. IQAC also collects and analyses feedback from students, alumni and parents.

➢ The measures taken by IQAC in quality enhancement and to improve the teaching –learning process are as follows:

➢ To prepare academic calendar.

➢ To analyse the University examination results at the beginning of the academic year and to decide the measures required for improvement of the results.

➢ To encourage the staff to attend conferences, seminars, workshops, teachers training programmes, so as to get their knowledge updated.

➢ To motivate the staff to undertake Major and Minor Research Projects.

➢ To encourage the students for their involvement in cultural, scientific and social activities.

➢ To obtain feedback from the students regarding teaching-learning process as well as infrastructural facilities.

➢ To consider the improvements suggested by the students regarding teaching learning process, library facilities, sports, ICT, laboratory facilities, hostels or any other facilities and to take measures for their implementation.

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The college has provided the following support structures and systems to develop skills of the teachers like interactive learning, collaborative learning and independent learning among the students:

1. **Interactive learning: -** Students seminars and group discussions are arranged. For seminars, all the audio visual aids   like Computers, Laptops, LCD-Projectors and other teaching aids are made available to the students.

2. **Collaborative learning:-** The educational tours, excursions, visits to research centers, industrial units and university departments are arranged every year. The students and the teachers are benefited with this collaborative learning experience. The interaction between office bearers, employees of these centers and the students and teachers derive proper output. The M.Sc. students are

sent to research centers to undertake research for their project work, if necessary. The students are highly inspired and curious about collaborative learning experience.

3.   Independent learning:- The B.Sc. III year students undertake project work for Environmental Studies. The students of M.Sc. also undertake project work as a part of their syllabus. The project work is aimed at independent learning by students. The students are encouraged to participate in university level research festival 'Avishkar'. The activities like presentation of seminars, completion of home assignments etc. are also helpful in development of independent learning skill among the students. The college provides Internet facility, reading room and night library to the students. The college has subscribed for INFLIB-NET N- list, through which more than 97,000 e-books and 4,000 e-journals are made available to the students, which facilitates independent learning among them.

2.3.4   How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

➢   The college has provided a good infrastructure facility to the students. All the Departments have well-equipped laboratories. On holidays, laboratories are available for the students, if needed. All the departments have their own library. Books are provided to students during their practical.

➢   The Science Association encourages the students to prepare posters on scientific aspects and the posters are displayed on notice board. In addition to this, it organizes science quiz twice an year. The students are motivated and guided for participation in the science exhibitions organized by the university. The students are also encouraged to attend seminar competitions at university level.

➢   Field workshops are organized by Zoology department for the students. Study tours, industrial visits, visits to research centers and field visits are also organized by different departments for the students.

➢   The students are motivated to appear in competitive examinations like IIT, JEE, GATE, TIFR.

➢   Cultural Literary and Association organizes debate and elocution competitions. It also motivates the students to participate in University level youth festival. The students are encouraged to write articles for the college magazine 'UNMESH'.

➢   All these efforts transform the students into life-long learners and innovators.

2.3.5   What are the technologies and facilities available and used by the faculty for effective teaching? E.g.: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

➢ The college is quite aware about the use of modern teaching aids. Every department in the college has been provided with the facilities namely computers, lap-tops, printers, internet connection, LCD projector.

➢ The teachers use all these facilities in their teaching-learning programme. Our faculty is now more dependent on e-content freely available on Internet. The faculty members make use of educational CDs, Software like MATLAB, UGC Programmes, Discovery, National Geographic, Animal Planet, Documentaries. for effective teaching learning process.

➢ The college has subscribed for INFLIB-NET N- list, through which more than 97,000 e-books and 4,000 e-journals are made available to the faculty members and students.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

➢ The internet is primarily used by the faculty as well as students for up gradation of knowledge. In addition to this, the recent trends in all subjects are available in journals, magazines, periodicals, and newspapers, which are readily available in the central library of the College.

➢ The college has subscribed for INFLIB-NET N- list, through which more than 97,000 e-books and 4,000 e-journals are made available to the faculty members and students. The students and faculty have access to this information constantly.

➢ The guest lectures and seminars are organized on the current issues, so as to develop insights into the current issues. It helps the students and faculty to keep pace with the recent developments in various subjects. Besides this, the teachers are motivated to attend seminars, conferences, workshops and also deputed to attend orientation and refresher programmes. In this way, the students and faculty exposed to advanced level of knowledge and skills.

➢ The PG students are provided expenditure to attend seminars and conferences for presentation of research papers. They are also promoted to attend seminar competitions, for which financial support is provided to them.

➢ The College organizes DST-INSPIRE Camp for the students of Junior college, in which scientists from different research area are invited to deliver talk. The students as well as faculty get benefitted by this activity.

2.3.7 Detail (process and the number of students benefited) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advises) provided to students?

The college provides to students the following academic, personal, psycho-social support and guidance services:

● **Professional counseling:**
➢ The college has a Career Guidance and Placement Cell. It guides about job opportunities and also arranges campus interviews of reputed companies, like Apex laboratories Aurangabad, Balaji Amines Solapur, Tinna Oils Latur, CIPLA Mumbai, Kirloskar Cummins, Wipro, Manjara Sugars Latur, etc.

➢   The College has a NET/SET Cell, which organizes lectures of experts in order to guide the students for preparation for NET and SET examinations.

➢   Recently, Dayanand Education Society has established a Competitive Examinations Guidance Cell for students for the preparation of UPSC and MPSC examinations.

- **Mentoring:**
➢   The teachers also play a role of guardians and mentors of students. They guide the students properly on personal level. It establishes rapport among the students and teachers. Lectures of Psychiatrists are organized every year.

- **Academic advice:**
➢   Occasionally the students receive academic advice at the time of inaugural functions of the various committees. The dignitaries having academic aptitude, the authorities from the universities and educationalists from the region are invited to extend academic advice to our students. The students are informed about advanced courses, like PG courses in different subjects time to time. They are also informed about web-site of higher educational institutes such as ICAR, NCL, TIFR, BARC. Alumni on higher post are also invited for academic advice.

2.3.8   Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

➢   Since technology has emerged in every field of life, it has a revolutionary impact on teaching methods. The college has been trying to make corresponding changes in the use of new technologies and methods for teaching, learning and governance. The faculties of the institution use computers, Laptops, LCD projectors, internet, educational CDs. Video clips, you tube short films and documentaries are regularly shown by the teachers to students. They are fledged with other supporting tools like printers and scanners.

➢   The institution is very keen regarding use of these modern teaching aids. The Principal and Vice-Principal verify time to time, the use of ICT by the faculty and give proper suggestions. Students are highly benefitted by these innovative teaching methods. Their interest in learning is increasing day by day. Besides this, they are getting technical knowledge about handling these equipments.

2.3.9   How are library resources used to augment the teaching-learning process?

➢   The college has well-equipped central library. It contains 55,917 books, 30 journals and periodicals, 14 newspapers. UGC recommended Soul 2.0 Library

Automation Software (INFLIBNET, Ahmedabad) is installed in the library. The OPAC facility is available. The students can easily locate the books on the basis of author, subject and title. Every enrolled student is the member of library. The students are allowed to borrow the books twice in a week. A time table of issue of books is displayed in the library. Each student is allowed to borrow two books at a time. In addition to this, the library provides internet facility to students.

➢ The college has subscribed for INFLIB-NET N- list, through which more than 97,000 e-books and 4,000 e-journals are made available to the faculty members and students.

➢ In addition to central library, each department has its own library, which provides books to the students during practical or whenever needed.

➢ The library has a reading room with seating capacity of 150 students. Night reading room facility is also available for the students.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes. The college faces many challenges in completing the curriculum within the timeframe.

● **Challenges:**
➢ Late declaration of results.
➢ Internal examination schedules.
➢ Unexpected loss of working days.

● **Measures adopted to overcome these challenges:**
➢ Commencement of courses irrespective of results.
➢ By arranging extra lectures in zero hours and holidays.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

➢ The teaching learning process is monitored and evaluated by the Principal and Vice-Principal of the College.

➢ The quality of teaching and learning is also assessed on the basis of the results of the subjects. At the end of every semester, the results of each subject and every paper are scrutinized and if the results are not satisfactory, it is communicated to the teacher and asked to improve the results next time.

➢ There is no formal system for the monitoring and evaluation of the quality of teaching learning.

➢ All the class rooms are under the watch of CCTV Cameras. The Principal, Vice-Principal and senior most teachers always observe the footage of teaching learning process in the class rooms.

➢   Sometimes the Principal and Vice-Principal take rounds to the classrooms and laboratories to monitor and supervise the Teaching learning process. It yields positive output by the first hand knowledge of them.

➢   Sometimes the Principal and Vice-Principal also attend the lectures at the class rooms to evaluate and assess the status of teaching learning process.

➢   They advise the teachers to make amends and improvements of the short comings in the teaching learning process.

➢   Student's feedback is taken and suggestions are invited from the students regarding their expectations from the teachers.

2.4   Teacher Quality

Sr. No.	Name of Teacher	Designation	Qualification
1	Dr. J. S. Dargad	Principal	M.Sc., M. Phil., Ph.D.
2	Shri. M. B. Deshmukh	Vice - Principal	M.Sc., M. Phil.
3	Shri. K. N. Rathod	Associate Professor	M.Sc., B.Ed.
4	Dr. S. B. Kathare	Associate Professor	M.A., M. Phil., Ph.D.
5	Shri. S. N. Ibatte	Assistant Professor	M.Sc.
6	Shri. Y. P. Sarnikar	Assistant Professor	M.Sc., B.Ed., NET.
7	Dr. Miss.N. S. Korde	Assistant Professor	M.Sc., SET., M.Phil., Ph.D.
8	Dr. Mrs. R. V.Kirtane	Assistant Professor	M.Sc., B.Ed., M. Phil., Ph.D.
9	Dr. R. V. Solunke	Assistant Professor	M.Sc., B.Ed., Ph.D.
10	Dr. N. A. Kedar	Assistant Professor	M.Sc., M. Phil., Ph.D.
11	Shri. S. K. Alane	Assistant Professor	M.Sc., B.Ed., NET.
12	Dr. C. S. Swami	Assistant Professor	M.Sc., Ph.D.
13	Shri. J. A. Angulwar	Assistant Professor	M.Sc., SET.
14	Shri. R. S. Shinde	Assistant Professor	M.Sc., B.Ed., SET,GATE
15	Shri. V. D. Gaikwad	Assistant Professor	M.Sc., M.Phil.
16	Miss. M. M.Pandit	Assistant Professor	M.A., M.Phil.B.Ed.
17	Dr. M. A. Bembade	Director of Physical Education	M.P.Ed. , M.Phil., Ph.D.
18	Shri. K. R. Bhise	Librarian	M.A., M.LIS, M. Phil.
19	Shri. A. M. Chougule	Assistant Professor	M.Sc., M.Phil.
20	Dr. V. A. Chaudhari	Assistant Professor	M.Sc., Ph.D.
21	Dr. L. V. Thakare	Assistant Professor	M.Sc., B.Ed., Ph.D.
22	Dr. S .S. Bellale	Assistant Professor	M.Sc., B.Ed., Ph.D.
23	Dr. V. D. Mote	Assistant Professor	M.Sc., Ph.D.
24	Shri. G. H. Bane	Assistant Professor	M.A., M.Phil., NET
25	Shri. R. K. Jadhav	Assistant Professor	M.Sc., NET

2.4.1   Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

- **Recruitment:**

  The College is an aided College. It follows the norms of recruitment of teachers given by University Grants Commission and Government of Maharashtra. The policy of recruitment is as follows:

➢ The policy of recruitment is transparent.
➢ During recruitment of staff, the College advertises the vacancies of posts in University News, some national and state level newspapers and also on the web-site of College and University.
➢ After getting application from the candidates, these are scrutinized.
➢ Thereafter the College demands the selection committee from S.R.T.M. University.
➢ The selection committee comprises the Management Members, Principal, Government Nominee, Vice-Chancellor's Nominee, two subject experts and head of the department of concerned subject.
➢ The eligible candidates are called for interview.
➢ The selection committee conducts the interview as per the guidelines of the University and selects the most eligible candidates.
➢ List of selected candidates is displayed on the website of the college.
➢ The selected candidates are given their appointment letter and their approval is sought from the University.
➢ Norms regarding eligibility and reservation are strictly followed.

- **Retention:**

  To retain the appointed staff, the college adopts the following strategy:

➢ Recruited staff is confirmed as per the UGC regulations.
➢ The teachers are granted study leaves, if they wish to upgrade their qualification by perusing M. Phil. or Ph.D.
➢ They are allowed to attend orientation and refresher courses.
➢ Duty leave is sanctioned for attending seminars, conferences and workshops.
➢ The staff members are encouraged to do the research work by undertaking Major and Minor research projects, for which laboratories and infrastructure are made available as per their requirement.
➢ Full freedom is granted to initiate the teaching-learning innovations.
➢ CAS is promptly implemented.
➢ Faculties are encouraged with moral support.
➢ Duty leave for FIP is sanctioned.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programs/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- **Efforts made to get qualified teachers:**

In addition to UG courses, the college runs the PG courses. With the growing demand of the applied subjects, the college has introduced the advanced courses such as PG in Biotechnology and PG Diploma in Bioinformatics (UGC-Innovative Program). For the appointment of teachers for these subjects, advertisement is given in leading newspapers and eligible candidates are called for interview. The selection committee takes interview and appoints the qualified candidates based on their performance. Following facilities are provided to them:

➢ The teachers are encouraged to do the research work, for which laboratories and infrastructure is made available as per their requirement.
➢ Full freedom is granted to initiate the teaching-learning innovations.
➢ Duty leave is sanctioned for attending seminars, conferences and workshops.
➢ Library and internet facility is made available for up gradation of their knowledge.

- **Outcome during last three years:**
➢ The UGC has sanctioned an innovative programme to run a PG Diploma in Bioinformatics under the Department of Microbiology. For this, UGC sanctioned a seed amount of Rs. 47.5 lakh. As per the guidelines of the scheme, there is no separate recruitment for appointment of Assistant Professor. Hence, College runs the course by inviting and organizing guest lecturers from the same subject. Last year's result is 66.66%.

2.4.3 Providing details on staff development programmes during the last four years Elaborate on the strategies adopted by the institution in enhancing the teacher quality.

- **Strategies adopted by the Institution in Enhancing the Teacher Quality:**
➢ Faculty encouragement with moral support.
➢ Fair and reliable teaching feedback system.
➢ Comfortable teacher – student ratio.
➢ Training of ICT oriented teaching – learning.
➢ Best infrastructure and research environment.
➢ Well established library with large number of reference books and journals.
➢ INFLIB-NET facility with 97,000 e-books and 4000 e-journals.

a)   Nomination to staff development programmes:

Academic Staff Development Programmes	Number of faculty Nominated
Refresher courses	12
HRD programmes	--
Orientation programmes	10
Staff training conducted by the university	15
Staff training conducted by other institutions	--
Summer/winter schools, workshops, etc.	06

b)   Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning:

- **Teaching Learning Methods/Approaches:**
  - ➤ The College motivates the teachers to prepare computer-aided teaching-learning materials by providing various tools and technologies.
  - ➤ The College supports the process of teaching learning by providing adequate infrastructural facilities.
  - ➤ Teachers use to engage Multimedia classes for teaching the concepts which involve complex visualizations, by using computer and LCD projector.
  - ➤ The Department of Computer Science regularly organizes Training programmes for teaching and non-teaching staff of the College to make them aware of the new technology. The teachers are encouraged to use the computers and internet for improvement of teaching learning process.
  - ➤ Department of Microbiology and Biotechnology, Chemistry, Mathematics, Botany, Zoology and Fishery, Physics, Computer Science, Electronics and Department of Languages have digital class rooms which are used for teaching learning process.

- **Handling New Curriculum:**
  - ➤ We have an experienced and qualified staff to handle the new curriculum with ease. Whenever there is change in the syllabus initiated by the University, the same is conveyed to the HODs by the Principal timely. The HODs call meeting of all the teachers in the Department and discussion is made regarding strategies to empower the teachers to handle the new syllabus effectively.
  - ➤ College organizes workshops on syllabus. Faculties are encouraged to attend the workshops on syllabus.
  - ➤ The tools and technologies are purchased as per the new syllabus. The software like MATLAB, INFLIBNET, are also made available to staff.
  - ➤ The syllabus of UGC - Career oriented courses is designed by the faculty of the concerned Department.

- **Selection, Development and Use of Enrichment Materials:**
  - ➤ The teachers of our college are given free access to internet. This helps them to collect enrichment material from the internet. The college has a well developed library which contains 55,917 books of various subjects and 30 journals and periodicals. In addition to this, college has subscribed for INFLIB-NET N- list, through which more than 97,000 e-books and 4,000 e-journals are made available to the faculty members. The faculty also uses charts, flow charts, models and manuals in laboratory experiments. The staff is motivated to prepare computer- aided teaching learning materials.

- ❖ **Assessment:**
    Before the confirmation of teacher, the overall assessment of the teacher is discussed in the meeting of Local Management Committee (LMC).

The Principal also maintains the Academic Confidential Report (ACR) of all the teachers, which records the annual performance of the teachers.

The following criteria are used for assessment of teachers:

➢ Self Assessment Report by the teachers.
➢ Participation in the co-curricular and extension activities by the teacher.
➢ Participation in the seminars, conferences, workshops.
➢ Attending orientation and refreshers courses in due time.
➢ Undertaking research projects and publication of research papers.
➢ Performing the assigned duties promptly.
➢ Feedback from the students.

❖ **Cross Cutting Issues:**
➢ The cross cutting issues like gender, climate change, environment education, ICT are given much attention. The experts from above mentioned fields are invited to share and deliver their experiences and knowledge.
➢ The Yuvati Kalyan Mandal and Women Cell of college regularly organize guest lectures on issues like women empowerment, female foeticide, etc.
➢ The Management too has supported the empowerment of women. On occasion of the celebration of "Golden Jubilee Year". Dayanand Education Society, a Marathon Rally with the motto of 'Respect to Women' was organized by the management.
➢ Through N.C.C. and N.S.S., various activities for awareness towards environmental issues are organized.
➢ The College has made available the latest technology (ICT) for delivering their seminars, which can help them to get aware of recent technologies. It also creates interest in teaching and learning.
➢ The college has organized national conferences on "Challenges to Biodiversity Conservation" and "Ecofriendly Organic Synthesis of Compounds".

❖ **Audio Visual Aids/Multimedia:**
➢ All the departments are well-equipped with Audio visual aids. It includes LCD projectors, computers and Laptops. College has provided computers with internet browsing facility to the entire faculty member for the preparation of teaching-learning materials. Currently, the college has built a digital classroom.
➢ To organize gathering events, seminars, conferences and other functions, the college has a huge auditorium having a sitting capacity of 1200 persons. College has a public addressing system, digital podium, interactive boards and Digital slate.

❖ **OER's :**
➢ The other OER's (Open Educational Resources) include library software, Research journals, educational CDs, softwares, which are helpful to the teachers to get advanced knowledge in their subjects.

➢   The college has subscribed for INFLIB-NET N- list, through which more than 97,000 e-books and 4,000 e-journals are made available to the faculty members.

❖   **Teaching Learning Material Development, Selection and Use:**
➢   All the staff members always help to provide the notes, softcopy of teaching learning materials, Question bank as and when required.
➢   The teachers are given free access to internet. This helps them collect learning material from the internet.
➢   The College has a well developed library which contains 55,917 reference books and 30 journals and periodicals. Educational CDs are also available for the staff.
➢   These resources are used by the teachers for preparation of teaching learning material. Besides this, the college organizes seminars and conferences which work as a learning source for the faculty members.
➢   Need based assistance is offered by the faculty from Computer Science Department. Same Department conducts Computer Training programmes for both teaching and non-teaching faculty.

c)   **Percentage of faculty**:
➢   invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies : **10 %**
➢   participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies: **90 %**
➢   presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies: **60 %**

2.4.4   What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

➢   The College encourages the faculty members for their professional development by granting study leave, deputing them to national level conferences, seminars and other training programmes such as refresher and orientation programs by Academic Staff Colleges of the Universities. The college grants duty leaves according to the nature of work.
➢   We support research by providing research centre. To carry out research activity, we support research centre with all facilities. Five members of our staff use to go in other institutes for delivering lectures and conducting P.G. teaching. To attend international conference, if the faculty does not receive any funding from UGC, DST or any other agency, in that case, the institute shares some amount to attend the international conference and present their research contributions. Our faculty member Dr. M. K. Ranjekar was given financial assistance of Rs.10,000/- to attend international conference in Thailand. Dr. J.S. Dargad was given financial assistance of Rs. 25,000/- to

attend international conference and present research paper in Switzerland. Dr. L.V. Thakare attended training course at INFOSYS Pune and AAYUCA Pune.

➢ Apart from above, UGC and DST have offered grant for Minor / Major research projects to teachers. DST has sanctioned FIST grant of Rs. 67 lakh to the college to promote research and development in faculty.

➢ The faculty is always motivated to attend seminars, conferences and workshops. They are also encouraged to participate orientation and refresher courses.

2.4.5   Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

➢ Dr. J.S. Dargad - Best Educationalist Award by International Composium, New Delhi (2012).

➢ Miss. G.A. Kulkarni - Best Poster Presentation Award in National Conference at Ahmedpur (2012).

• **Dr. S.S. Bellale:-**
  1] Marathwada Level " Adarsh Shikshak Puraskar- 2008"
  2] "Kai. Sadashivrao Gurude Smruti Puraskar-2010"
  3] "Maharashtra Rashtrawadi Gurugaurav Purashkar-2010"
  4] "Samajbhushan Purashkar- 2011"
  5] "Maharashtra Rashtrawadi Adarsh Shikshak Purashkar-2012"

➢ The college felicitates such awardees in a common gathering on 15ᵗʰ August, 26ᵗʰ January, 17ᵗʰ September and 1ˢᵗ May at the time of flag hosting.

2.4.6   Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes, the IQAC gets the evaluation of the teachers done by students and external peers. The IQAC takes oral feedback of the teachers from the students and their guardians. At the end of every academic year, students give feedback of individual faculty members based on their teaching skills in the prescribed format. If any faculty or Department doesn't meet the benchmark on feedback, they are counseled by the Principal for improvement in teaching skills and results. The IQAC also monitors the teaching methodology by CCTV cameras.

Quality of the teaching – learning process is evaluated by using following criteria:
1.   Feedback from parents obtained by Parent Relation Officer (PRO).
2.   Feedback from student through suggestion box and feedback form.
3.   Result analysis.
4.   Oral Feedback from students and parents.

5.   Online feedback on website.
6.   External peer team from Dayanand Commerce College Latur gives feedback on teacher's evaluation.

2.5   Evaluation Process and Reforms:

2.5.1   How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

➢   The College makes attempts to care that all the Stakeholders i.e. students and faculty members and even the parents of the students are informed about evaluation process.

➢   Guidelines about evaluation process given by the university are communicated to the students in the classrooms and copy of the same is also displayed on the students' notice-board.

➢   At the start of the semester, students are informed regarding the pattern of internal as well as semester end examinations and also evaluation system. Students are clearly made aware of the eligibility conditions required to appear in the final examination.

➢   Internal examinations are conducted as per the schedule. Immediately after the examination, answer sheets are evaluated and assessed answer books are distributed in classroom and students are informed about their mistakes and suggestions are given for their better performance.

➢   Their doubts, if any, are cleared. The mark lists of individual internal examinations as well as consolidated marks of both the examinations are displayed on students' notice board. Practice examination for practical evaluation is also conducted by all the departments.

➢   A record of University examination result is maintained in the college office. Record of internal examination result is also maintained in the Examination Cell and PRO office.

➢   These registers are scrutinized by the respective faculty to take appropriate measures to improve the performance of the students.

➢   The performance of the students in the internal examination is conveyed to their parents by Parent Relation Officer (PRO) through SMS system.

➢   Management is also very keen about examination results. The results are discussed at the start of each academic year in the meeting of Local Management Committee.

2.5.2   What are the major evaluation reforms of the university   that the institution has adopted and what are the reforms initiated by the institution on its own?

•   **Evaluation reforms of University:**

➢   Two internal assessment examinations.

➢ Multiple Choice Question (M.C.Q.) type examinations for B.Sc. I year and II year students and theory type examinations for B.Sc. III, B.Sc. (Computer Science) and M.Sc. students.

➢ Use of O.M.R. answer sheets.

➢ Availability of photo copies of the answer books to students for review of the result.

➢ Completion of project for Environmental Science to B.Sc. III year students.

➢ Additional improvement examination for theory and practical.

- **Evaluation reforms of College:**

➢ The college follows the evaluation method formed by the University. It conducts two internal examinations for each semester. The marks of internal examinations are sent to university. The reforms initiated by the college on its own are as follows:

➢ The schedule of both the internal examinations is displayed in advance at the beginning of semester. Internal examinations are conducted by proper method.

➢ The departments set their own question papers and provide to the examination cell.

➢ The examination cell prints the question papers and conducts the examination as per time table, just like university examination. Invigilation duties are allotted to the faculty.

➢ The answer books of both the internal examinations are in a single booklet, which helps for easy recording and easy perusal for the students to review.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

➢ The evaluation reforms of the university are followed by the college. The evaluation is all fair. The students are shown their assessed answer sheets. Any doubt about evaluation is made clear to the students and hence they get satisfied by the evaluation process.

➢ All record of examination i.e answer sheets, mark lists is maintained in the Examination Cell of the College.

➢ The students are encouraged and counseled for better performance in the future examinations.

➢ The university has implemented multiple choice question system for the evaluation of students. The college also conducts multiple choice question based practice examination for the students**.**

2.5.4 Provide details on the formative and summative evaluation approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

- **Method of formative and summative evaluation:**

➤ The evaluation reforms of the University are followed by the College. For bringing out some improvement among students, the College adopts formative method of evaluation.

➤ In the formative evaluation, two internal examinations are conducted. Each examination is having weight age of 30 marks for each subject. After completion of both the internal examinations, marks are consolidated and converted in to weight age of 10/20 marks. These marks are sent to university.

➤ Summative evaluation is carried out by university. For this, the marks of university examination are considered. This evaluation is carried out by the examiners appointed by the university.

- **Impact of formative and summative evaluation:**

➤ In this pattern, students can solve multiple choice questions as well as descriptive questions. The topper students (advanced learners) are given advanced coaching and the failed students (weaker learners) are given remedial coaching.

2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course /programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes / courses offered.

➤ The internal examinations are conducted by the college. The time-table of the internal examination is displayed in advance. The time-table is rigorously followed. The concerned teacher declares the result of the test and shows the answer books to students in the class-room. Their doubts, if any, are cleared. After completion of second internal examination, marks of both the examinations are consolidated and displayed on students' notice board. After declaration of results by the university, the results are displayed on the notice board.

➤ The performance of the students in each examination is conveyed to their parents by Parent Relation Officer (PRO).

➤ When the MCQ pattern was introduced, results were very poor because the pattern was new for the students. When PRO was appointed, the result and performance of students was conveyed to their parents, due to which the parents were aware about performance of their son/daughter. Because of this, there was increase in the result of the students.

Following table shows the results of the college during last four years:

Class	2009-10				2010-11				2011-12				2012-13			
	R	A	P	%	R	A	P	%	R	A	P	%	R	A	P	%
B.Sc.I	140	140	84	60	227	220	130	55	240	240	130	55	264	264	217	84
B.Sc.II	67	63	53	85	103	73	45	62	75	73	45	62	185	185	179	96
B.Sc.III	94	94	56	60	79	76	37	49	93	91	49	54	98	98	94	92
B.Sc.I C.S.	58	50	32	64	19	16	13	82	12	10	10	100	13	13	12	94

B.Sc.II C.S.	--	--	--	--	31	29	27	94	18	18	12	67	16	16	15	95
B.Sc.III C.S.	--	--	--	--	--	--	--	--	28	28	27	97	09	09	07	80
M.Sc.I Chem.	35	35	31	89	37	35	29	83	35	35	24	69	28	28	23	82
M.Sc.II Chem.	32	32	16	50	34	34	22	62	34	34	28	83	24	24	16	63
M.Sc.I Micro.	36	34	30	89	30	28	21	75	18	15	09	60	08	08	06	75
M.Sc.II Micro.	35	33	19	58	31	28	20	72	23	22	12	55	08	08	04	50
M.Sc.I C.S.	25	23	18	81	36	36	34	97	39	39	36	92	33	33	27	82
M.Sc.II C.S.	--	--	--	--	14	14	10	72	33	33	18	55	33	33	26	79
M.Sc.I B.T.	--	--	--	--	08	08	08	100	04	04	04	100	06	06	03	50
B.Sc.II B.T.	--	--	--	--	--	--	--	--	06	06	04	67	04	04	03	75

The graph of result – 2012-2013
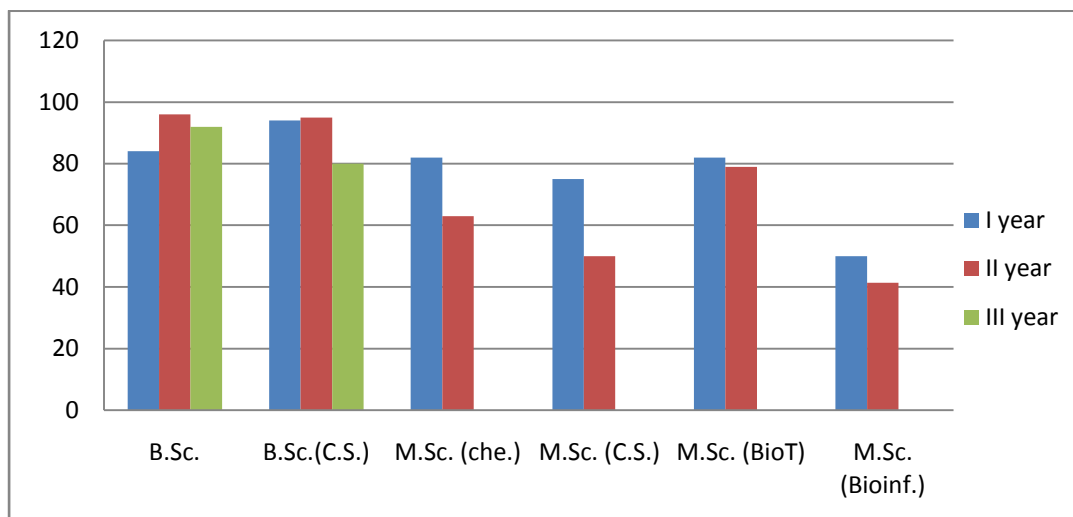
2.5.6 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.).

Complete transparency is maintained in the internal assessment. The internal assessment is done as per the guidelines of the university. After preparing the assessment report, it is submitted by the subject teacher to the Examination Cell of the College. The Cell displays the results on the notice board before submitting to the university. The students can log complain, if any. After receiving complain, the papers are reassessed by the subject teacher. Sometimes there may be mistake in entry of marks. In such case, necessary corrections are made and the revised result is communicated to the student.

The behavioral aspects, independent learning and communication skills of the students are considered for evaluation during practical examinations.

2.5.7   Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning. During class teaching, there is face-to-face communication between teachers and students. In science faculty, all the subjects have practical paper. During practical also, there is face-to-face communication, during which performance, behavior and overall subject knowledge of the students are observed by the teachers. These characteristics are considered for evaluation during practical examinations. The NCC, NSS and Sports students are also given due advantages in assessment.

2.5.8   What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

- **Redressal of grievance at college level:**

➢   As stated above, complete transparency is maintained in the evaluation process. The doubts of students about evaluation are cleared by the concerned teachers. So, there are no any grievances of students with reference to evaluation at the College level. During last four years, there is no any complaint of students regarding internal evaluation.

➢   During the period of internal examination, the students are deputed to attend NSS, NCC and Sports activities. Such grievances about their absentee in internal examination are considered by the Examination Cell and separate internal examination is conducted for such students.

- **Redressal of grievance at University level:**

In case of grievance with reference to evaluation at University level, the student has to submit an application to the university along with the prescribed fees within the duration announced by the university. After revaluation, the university communicates the result to the student. A student can also get a Photostat copy of his answer sheet and can ask for the revaluation of the answer sheet.

2.6   Student performance and Learning Outcomes

2.6.1   Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

> ➢ Yes. The college has clearly stated its vision, mission and objectives and is fully committed to them. The College aims at producing very confident learners with knowledge, skills, attitudes and values, which enhance their employability and progression opportunities. The learning outcomes are given in the prospectus and also discussed by the Principal at the beginning of the academic year in the Welcome programme of the newly admitted students.
> ➢ The Principal organizes a general meeting at the beginning of the academic year and informs the staff about the learning outcomes.
> ➢ Every programme has its own learning outcomes set out by university itself as preface to the syllabus. The staff members are therefore well-informed of these outcomes before they commence teaching. The learning outcomes of each subject are also informed to the students by the teachers.

2.6.2   How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The college aims to help the students to reach their potential through the provision of a supportive and vibrant environment. Innovative teaching methods, transparent assessment, supportive learning activities as seminars, group discussion, advanced coaching and remedial coaching help to achieve the intended learning outcomes.

The college runs seven Career Oriented Courses sanctioned by UGC. These courses also help to achieve the learning outcomes.

2.6.3   What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

> ➢ The students are sensitized on the social responsibilities through the NSS and NCC programmes. They are encouraged to participate in social activities. The college arranges campus interviews of different companies and also entrepreneurship awareness programme. Disaster management training is organized for the students.
> ➢ Industrial visits and educational tours are also organized. The college offers professional courses like B.Sc. (Computer Science) and Seven Career Oriented Courses.
> ➢ The college has a NET/SET Cell, which guides the students for preparation of the NET and SET examinations. Coaching for competitive examinations like MPSC and UPSC is also given.
> ➢ The students are encouraged to participate in research festival 'Avishkar' organized by SRTMU Nanded. The PG students carry out research work as a part of their project. They are motivated to present research papers in seminars and conferences for which financial assistance is given. They are also encouraged to participate in various science exhibitions. Since last two years, the management has allocated an amount of **Rs.50,000/- for performing research project by students on innovative ideas.**

➢ The college organizes national level conferences and seminars, which attract the students towards research activity. The department of Microbiology has a recognized research centre. Other departments also have research based instruments. Research guides are available in the subject Mathematics, Physics, Botany and Zoology.

2.6.4 How does the institution collect **and analyse data on student learning outcomes and use it for planning and overcoming barriers of learning?**

• **Collection and analysis of data:**

➢ The data on learning outcomes includes
   a) Results of internal examinations as well as University examination.
   b) Feedback from stakeholders.
➢ The data is collected and analyzed. The data on examination is analyzed by the individual Departments and the data on feedback is analyzed by IQAC.

• **Steps to overcome barriers:**

   1. Providing question bank of different subjects to the students.
   2. Timely redressal of students' grievances.
   3. By showing answer books to students to make them identify their relative strengths and weaknesses.
   4. Counseling of students to minimize absentee.
   5. Remedial classes for weak students to solve their problems.

2.6.5 How does the institution monitor and ensure the achievement of learning outcomes?

The attendance is compulsorily taken in every lecture and practical. The absentee and performance in examination are informed to their parents by Parent Relation Officer (PRO). Counseling is given to students who are absent for long time. The weaker students are given remedial coaching. The students are encouraged for participation in various curricular and co-curricular activities inside as well as outside the College. Student's seminars and group discussions are arranged.

2.6.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

➢ Self-confidence, self-reliance, ethical values, communication skills, team work skills, problem-solving skills and social responsibilities are some of the graduate attributes specified by the College.
➢ For the attainment of the graduate attributes, all the possible attempts are taken by College. The academic calendar is strictly followed. All the teachers make use of ICT to make the complex concepts simple and to create interest about

the subject in the students. Students' seminars and group discussions are arranged. The teachers always try to improve the results and enhance the intellectual level of the students. The syllabus is completed in time and revision is taken.

➢ Besides the regular studies, the College organizes various activities through NCC, NSS, Literary and Cultural Association, Yuvati Kalyan Mandal and Science Association which help in overall development of the students. Spoken English classes, entrepreneurship awareness programs, career guidance and counseling, annual gathering and sport activities are also the activities which are given importance. Study tours, industrial visits and visit to research centers are also arranged. The students are encouraged to participate in the Youth Festivals. All this help to attain the graduate attributes among the students.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

Due to the effective teaching, learning and evaluation methods, the college has got reputation as one of the best colleges not only in the University but also in Maharashtra. Teaching learning practices have enabled us to secure top passing percentage consistently for many years. The teachers have a research oriented attitude gained from the projects undertaken, seminars and workshops organized, attended and training courses undergone. The students have benefitted from these techniques. Their participation in seminars and classroom discussions, and debates has also contributed to their better performance.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

The college gives importance to the development of research, consultancy and extension in all disciplines. College encourages faculty and students to participate in research by providing well equipped laboratories and library facilities. Faculty and students are also encouraged to participate in National and International conferences, Seminars organized by the college and other institutions. College also has some sort of consultancy collaborations and linkages with reputed organizations. College gives importance to both academic and non-academic extensions.

3.1   Promotion of Research

3.1.1   Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

The college has recognized research centre in the subject Microbiology from year 2004. The college has also submitted research centre recognition proposals in the subject Physics and Chemistry to the affiliating university S.R.T.M.U. Nanded (M.S.)

3.1.2   Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

➢   Yes, the college has a research committee to monitor and address the issues of research.

➢   The research committee has three members, Principal is the chairman while Vice-Principal and IQAC Chairman act as members.

➢   The committee is keen in the research and development activities.

Following are the recommendations by research committee and its impacts:-

Sr. No.	Research committee recommendations	Impact
1.	Submission of Major or Minor Research Projects to different funding agencies.	Dr. J.S. Dargad, Dr. N.S. Korde, Dr. C.S. Swami, Prof. R.S. Shinde Completed their Minor Research Projects. Dr. J.S. Dargad Submitted a research Project to DST. Dr. J.S. Dargad, Dr. N.A. Kedar, Dr. S.S. Bellale applied for Major research Projects & Sanctioned by U.G.C.
2.	To sanction FIP and study leave	Six faculties completed their research in different subject by availing FIP and study leave.
3.	To submit proposal to DST-FIST Programme	College submitted DST FIST Proposal and received Sanction of Rs.67,00,000/-
4.	To update library with Softwares.	OPAC and INFLIB –NET are introduced in Library.
5.	To organize conferences	Five National and two State level conferences were

	and seminar.	organized.
6.	To publish research Papers and participate in conferences, seminars.	102 research papers are published by faculty in reputed souvenir, National and International conferences / Seminars. 150 Seminar /Conferences are attended by the faculty.
7.	To publish proceedings and abstracts of conferences/ seminars Organized in college.	College published abstracts/ proceedings of organized conferences / seminars in the subject Microbiology, Chemistry, Computer Science, Zoology and Mathematics.

3.1.3 **What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?**

- **Autonomy to the Principal investigator:**
- **Timely availability or release of resources:**
- **Adequate infrastructure and human resources:**
- **Time-off, reduced teaching load, special leave etc. to teachers:**
- **support in terms of technology and information needs:**
- **Facilitate timely auditing and submission of utilization certificate to the funding authorities:**
- **any other:**

The college has a tradition of promoting and ensuring smooth progress in research. There is research committee for the implementation of research and extension.

- **Autonomy to the Principal investigator:**
- The Principal investigator has given full-fledged autonomy from the selection of research problem up to the submission of final report.
- Co-investigator is also the choice of Principal investigator.
- The college provides duty leave to carry out field activities under the Major/ Minor Research Projects.
- The funds are timely disposed to the Principal investigator.

- **Timely availability or release of resources:**
- The laboratories, library facilities, human resources and other required infrastructural facilities are available for 24 hours for the research work.

- **Adequate infrastructure and human resources:**
- The college has adequate infrastructure in all departments. The laboratories are provided with safety measures, apparatus and equipments.
- Continuous electricity power supply is available to the Laboratories with the aid of electric generator.
- The project under department where it is carried out, college provides help and co-operation of lab assistant, lab attendant and peons to the Principal investigator.

➢   At the same time if the Principal investigator need some guidance about project, the concerned staff guides him/her for the betterment in implementation of project.

- **Time-off, reduced teaching load, special leave etc. to teachers:**

➢   There is no such provision of time off and reduced teaching load but in addition to that study leave , duty leave is sanctioned to carry out the field work and reference work.

➢   Duty leaves are given to attend conferences, seminars, workshops and training programs during the implementation of project.

- **Support in terms of technology and information needs:**

➢   The college is equipped with all facilities of information technology and these are used by the researchers.

➢   These facilities includes Library, Laboratories, Computers, Internet, Printer, Scanner, Photocopier, Laptop and INFLIB- NET.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities:**

➢   There is no audit queries in the project completed, utilization certificate is timely submitted and N.O.C. is obtained from the concerned financial agencies.

- **Any Other:**

➢   The Principal and head of concerned department and research committee takes review twice a year about the progress, regarding publications of research work in seminar, workshops, conferences and proper utilization of funds.

3.1.4   What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

➢   The college promotes research culture and scientific temper among students.

➢   The College has PG departments in the subjects Microbiology, Chemistry, Computer Science, Biotechnology.

➢   The P.G. Students to completes research projects as a part of their curriculum.

➢   The college has made provision of Rs. 2000/- per students for the completion of project. This is monitored and released by head of the department accordingly.

➢   To undertake the projects and the scientific activities such as participation in Avishkar (Research Promotion activity of S.R.T.M.U. Nanded)

➢   All infrastructural and informational facilities including computers, printer, photocopier and internet and Library are provided.

➢   To develop scientific temper the activities like Science Association, student seminar, celebration of different days, superstition eradication on the event like solar and moon eclipse is sought by arranging telescope observation of moon.

> ➢ Faculties activity participates in the superstition eradication on occasion of solar eclipse to observe with students with the aid of UV- protectory spectacles.
> ➢ Scientific guest lectures are organized for P.G. and U.G. students.
> ➢ The students are also encouraged to attend and participate at local and national level seminars and conferences.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

- **Faculty as research Guides:**

> ➢ The college has eight faculties recognized as research guides. They are involved in guiding M. Phil. and Ph.D. research students in different subjects.

Sr. No.	Name of research Guide	Dept.	No. of Research Students.
1	Dr. S.S. Bellale	Mathematics	03 Students for Ph.D. & 02 Students for M. Phil.
2	Dr. L.V. Thakare	Physics	-
3	Dr. C.S. Swami	Botany	-
4	Dr. R.V. Solunke	Zoology	-
5	Dr. B.S. Nagoba (External)	Microbiology	02 for Ph.D.
6	Dr. S.R. Deshmukh (External)	Microbiology	01 for Ph.D.
7	Dr. R.S. Awasti (External)	Microbiology	02 for Ph.D.
8	Dr. B.M. Sandhikar (External)	Microbiology	01 for Ph.D.

- **Faculty having research projects:-**
  Following faculties have undertaken the Major /Minor research projects:-

Sr. No.	Name of Principal Investigator	Department	Year	Funding Agency & amount sanctioned	Major/ Minor	Status
1.	Dr. J.S. Dargad	Physics	2010	UGC-70,000/-	Minor	Completed
2.	Dr. C.S. Swami	Botany	2011	UGC-75,000/-	Minor	Completed
3.	Dr. N.S. Korde	Chemistry	2011	UGC-2,00,000/-	Minor	Completed
4.	Prof. R.S. Shinde	Chemistry	2011	UGC-1,35,000/-	Minor	Completed
5.	Dr. J.S. Dargad	Physics	2012	UGC-9,65,000/-	Major	On going
6.	Dr. S.S. Bellale	Mathematics	2012	UGC-4,65,000/-	Major	On going
7.	Dr. N.A. Kedar	Chemistry	2012	UGC-9,60,000/-	Major	On going
8.	Dr. L.V. Thakare	Physics	2013	UGC	Major	Proposal Submitted
9.	Dr. V.D. Mote	Physics	2013	DST-INSPIRE	Major	Proposal Submitted

10.	Dr. R.K. Jadhav	Ind. Chemistry	2013	DST-INSPIRE	Major	Proposal Submitted
11.	Dr. N.S. Korde	Chemistry	2013	UGC	Major	Proposal Submitted
12.	Dr. R.V. Solunke	Zoology	2013	UGC	Major	Proposal Submitted
13.	Dr.V.A. Chaudhari	Physics	2013	UGC	Minor	Proposal Submitted

- **Faculties involved in individual research:**
  Following faculty members have registered for Ph.D. in different disciplines and their research work is under progress.

Sr. No.	Name of faculty	M. Phil / Ph.D.	Subject	Status
1.	Prof. M.B. Deshmukh	Ph.D.	Microbiology	On going
2.	Prof. S.N. Ibatte	Ph.D.	Chemistry	On going
3.	Prof. Y.P. Sarnikar	Ph.D.	Chemistry	On going
4.	Prof. J.A. Angulwar	Ph.D.	Chemistry	On going
5.	Prof. R.S. Shinde	Ph.D.	Chemistry	On going
6.	Prof. A.M. Chougule	Ph.D.	Chemistry	On going
7.	Prof. R.K. Jadhav	Ph.D.	Chemistry	On going
8.	Prof. K.N. Rathod	Ph.D.	Physics	On going
9.	Prof. S.K.Alane	Ph.D.	Botany	On going
10.	Prof. M.M.Pandit	Ph.D.	English	On going
11.	Prof. G.H.Bane	Ph.D.	Hindi	On going
12.	Prof. S.B. Bagal	Ph.D.	Chemistry	On going
13.	Prof. A.G. Siddiqui	Ph.D.	Microbiology	On going

Following faculty members are awarded by M. Phil. / Ph.D. in different disciplines.

Sr. No.	Name of faculty	M. Phil / Ph.D.	Subject	Year of Award
1.	Dr. J.S. Dargad	M. Phil & Ph.D.	Physics	2010
2.	Dr. N.A. Kedar	M. Phil. & Ph.D.	Chemistry	2011
3.	Dr. V.A. Chaudhari	Ph.D.	Physics	2010
4.	Dr. V.D. Mote	Ph.D.	Physics	2011
5.	Dr. N.S. Korde	M. Phil.& Ph.D.	Chemistry	2009 and 2013
6.	Dr. S. B. Katare	M. Phil.& Ph.D.	Marathi	2012
7.	Dr. R.V. Kirtane	M. Phil.& Ph.D.	Zoology	2012
8.	Dr. C.S. Swami	Ph.D.	Botany	2002
9.	Dr. R.V. Solunke	Ph.D.	Zoology	1996
10.	Dr. M.A. Bembade	M. Phil & Ph.D.	Sports	2008 and 2012

11.	Shri. K.R. Bhise	M. Phil	Library Sci.	2009
12.	Prof. M.M.Pandit	M. Phil	English	2009
13.	Prof. A.M.Chougule	M. Phil	Chemistry	2008
14.	Prof. M.B. Deshmukh	M. Phil.	Microbiology	1989
15.	Prof. V.D. Gaikwad	M. Phil	Mathematics	2007
16.	Dr. S.S. Bellale	Ph. D.	Mathematics	2009

Research is promoted by encouraging students to appear CSIR-NET/ SET and as a result of this following students qualified the CSIR-NET/ SET examination after first cycle of NAAC Accreditation.

- **List of Students, who have qualified NET/ SET examination.**

Sr. No	Name of the candidate	NET/SET	Subject
1.	Dr.Patil Mahesh	NET	Chemistry
2.	Ambhore Ajay N.	NET	Chemistry
3.	Miss.Gaikwad Vaishali H.	NET	Chemistry
4.	Kulkarni Pramod	NET&SET	Chemistry
5.	Waghamare Amit	NET	Chemistry
6.	Shinde Ravindra	SET	Chemistry
7.	Jawale Balaji H.	SET	Chemistry
8.	Bondhar Dhananjay	NET/SET	Chemistry
9.	Bondage Abhaya	SET	Chemistry
10.	Acharya Ashok	NET	Chemistry
11.	Deshmukh Balasaheb R.	NET	Chemistry
12.	Dr.Bavikar Sudhir	NET/SET	Chemistry
13.	Kondekar Narendra	NET/SET	Chemistry
14.	Haval Kishan	NET/SET	Chemistry
15.	Dr.Durugkar Kulbhushan	NET/SET	Chemistry
16.	Todiwale Ismile	NET	Chemistry
17.	Patil N.G.	NET/SET	Chemistry
18.	Sonwane DiliP	NET	Chemistry
19.	Suryawanshi Dayanand	NET	Chemistry
20.	Surwase Santosh M.	NET/SET	Chemistry
21.	Sarnikar Yuvaraj P.	NET	Chemistry
22.	Kamble Dhanraj P.	SET&NET	Chemistry
23.	Mane Yogesh D.	SET&NET GATE-All India rank –III	Chemistry
24.	Motegaonkar Shivraj	NET&SET	Chemistry
25.	Kharatmol R.M.	NET-CSIR	Chemistry
26.	Jadhav Vivek	NET-CSIR	Chemistry
27.	Mahmane Tukaram	NET-CSIR	Chemistry
28.	Ankush Bhaskar P.	NET	Chemistry
29.	Pawar Mithun	NET-CSIR	Chemistry
30.	Mendhekar Kishor	NET-CSIR	Chemistry
31.	Bagal Santosh B.	NET	Chemistry
32.	Pawar Prakash	NET	Chemistry

33.	Dhobale Amar	NET	Chemistry
34.	Kale Ajay	NET	Chemistry
35.	Kore Dayanand	NET	Chemistry
36.	Kumdale Prashant G.	NET	Chemistry
37.	Munde Tukaram	NET	Chemistry
38.	Shinde Achut	NET	Chemistry
39.	Kendre Anita	SET	Chemistry
40.	A.G. Siddiqui	NET	Microbiology
41.	Mahesh Karale	SET	Microbiology
42.	Nitin Kamble	SET	Microbiology

3.1.6 **Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

➢ After the first cycle of NAAC, the college has organized Seventeen national and state level seminars/ conferences and district, university level student workshop, INSPIRE Science Camps.

Sr. No.	Type of activity	Dept.	Funding agency	Amount Sanctioned	Level	Duration
1.	Seminar	Physics	UGC	80,000/-	State	02 days
2.	Conference	Physics	NAS Bangalore	1,86,000/-	State	21 days
3.	Workshop	Physics	D.S.T.	1,10,000/-	State	03 days
4.	Seminar	Chemistry	UGC	65,000/-	National	02 days
5.	Conference	Zoology	UGC	80,000/-	National	02 days
6.	Student Workshop	Zoology	D.E.S. Latur	10,000/-	District	03 days
7.	Seminar	Microbiology	UGC	75,000/-	State	01 day
8.	Conference	Marathi	UGC	1,00,000/-	National	02 days
9.	Seminar	Mathematics	UGC	70,000/-	National	02 days
10.	Conference	Computer Science	UGC	80,000/-	National	02 days
11.	INSPIRE 09-13 Nov.2011	College	D.S.T.	9,75,000/-	National	05 days
12.	INSPIRE 01-05 Jun-2011	College	D.S.T.	9,75,000/-	National	05 days
13.	INSPIRE 01-05 Dec-2011	College	D.S.T.	9,75,000/-	National	05 days
14.	INSPIRE 10-14 Mar-2012	College	D.S.T.	19,50,000/-	National	05 days
15.	INSPIRE 21-25 Jun-2012	College	D.S.T.	19,50,000/-	National	05 days

| 16. | INSPIRE 19-23 Nov-2012 | College | D.S.T. | 26,00000/- | National | 05 days |
| 17. | INSPIRE 13-17 Oct-2013 | College | D.S.T. | 19,50,000/- | National | 05 days |

➢ INFLIB -NET facility is offered by the library to facilitate research attitude among faculty and students.
➢ Various departments have linkages with National and International research organization to promote the research as well as organization of the conferences and Seminars.

Sr. No.	Name of Dept.	Linkages	National / International
1	Chemistry	1.Maharashtra Pollution Control Board, Mumbai	National
		2.Manjra Sugar Factory Latur.	National
		3.Tinna Oil Ltd. Latur.	National
		4.MOJJ, Pune.	National
2	Mathematics	1. Department of Mathematics Florida Institute of technology, U.S.A	International
		2.Department of Mathematics Aligrah Muslim University, Aligrah.	National
		3.Department of Mathematics Karnatak University, Dharwad.	National
		4.School of Mathematics, SRTMU Nanded.	National
		5.Department of Mathematics, Ionnia University, Greece.	International
		6.Mathematics Research centre, Ahmedpur, Latur.	National
		7.Mathematics Research centre, pt. Ravishankar university, Chattishgadh.	National
		8.The department of Mathematics has linkages with the research centers SRTMUN, Banaras Hindu University, IIT Mumbai, IIT Kanpur, BITS Pillani, Florida institute of Technology.	National
3.	Microbiology.	1.Maharashtra Biofertilizers, Latur.	National
		2.MIMSR Medical College, Latur.	National
		3.Tinna Oil Ltd, Latur	National
		4.MaharashtraUdaygiri Mahavidyalaya,Udgir.	National
		5.Shivaji College,Renapur.	National
		6.Govt. Medical College,Latur	National
4.	Physics	1.R.S. College Latur.	National
		2.Dr. B.A.M.University, Aurangabad.	National
		3. Solapur University, Solapur.	National
		4. Centre for Materials for Electronics Technology (C-MET) HCL (PO), Hydrabad.	International
		5. Solid State Physics Division,Tata Institute of Fundamental Research, Mumbai.	International

3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

➢ All Faculty Members of the college are engaged in research programmes of different subjects.

- **Following are the research experts and their priority area**.

Sr. No.	Name of expertise	Department	Prioritised Research area
1.	Dr. J.S. Dargad	Physics	Thin film, Technology, Material Science, Solar Cell.
2.	Dr. V.A. Chaudhari	Physics	Material Science, Thin Film, Nano Technology, Glass & Ceramics.
3.	Dr. L.V. Thakre	Physics	LASER's, Thin film & Electronics.
4.	Dr. S.S. Bellale	Mathematics	Differential and Integral equations.
5.	Dr. R.V. Solunke	Zoology	Parasitology (Helminthology)
6.	Dr. C.S. Swami	Botany	Mycology & Plant Pathology.
7.	Dr. R.S. Awasthi	Microbiology	Applied Microbiology
8.	Dr. S.R. Deshmukh	Microbiology	Medical Microbiology
9.	Dr. B.M. Sandhikar	Microbiology	Applied Microbiology
10.	Dr. B.S. Nagoba	Microbiology	Medical Microbiology
11.	Dr. V.D. Mote	Physics	Nanomaterials, Super conductivity Multiferroics, Thin Films, DMS Materials, Material Science.

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?
The college makes every possible efforts in attracting researchers of eminence to visit the campus.

➢ The scientists interact with our faculty and students regularly. Their interactions are proved very fruitful and research oriented.
➢ The college offers TA/DA, Honorarium, proper hospitality and due respect.

- **As a result of this interaction, following eminent researchers visited our college / department.**
   Following eminent researchers visited our college / Departments.

1.   Dr. Anil Kakodkar (Bhaba Atomic Research Center, Mumbai)
2.   Dr. Banarji (Bhaba Atomic Research Center, Mumbai)
3.   Dr. J.R. Bandekar (Bhaba Atomic Research Center, Mumbai)
4.   Dr. Kirti Bapat (Bhaba Atomic Research Center, Mumbai)
5.   Dr. S.P. Kale (Bhaba Atomic Research Center, Mumbai)
6.   Dr. S.F. Desuza (Bhaba Atomic Research Center, Mumbai)
7.   Dr. S.T. Jambulkar (Bhaba Atomic Research Center, Mumbai)
8.   Dr. C.G. Utge (Bhaba Atomic Research Center, Mumbai)
9.   Dr. K.R.S. Chandrakumar (Bhaba Atomic Research Center, Mumbai)
10.   Dr. Udge C.G. (Bhaba Atomic Research Center, Mumbai)
11.   Dr. Jayant Narlikar (Pune University Pune)

12.   Dr. Sujata Bhargav (Pune University Pune)
13.   Dr. S.A. Katre (Pune University. Pune)
14.   Dr. Chetan Gadgil (National Chemical Laboratory, Pune.)
15.   Dr. M. K.Dongar (National Chemical Laboratory,Pune)
16.   Dr. B. B.Idge (National Chemical Laboratory,Pune)
17.   Dr. P. P.Wadgonkar (National Chemical Laboratory,Pune)
18.   Dr. S. P.Chavan (National Chemical Laboratory,Pune)
19.   Dr. S. B.Umbarkar(National Chemical Laboratory,Pune)
20.   Dr. U. R.Kalkote(National Chemical Laboratory,Pune)
21.   Dr. N.T.Patil (Indian Institute of Chemical Technology, Hyderabad)
22.   Dr. A. K. Pani (Indian Institute of Technology, Mumbai.)
23.   Dr. Shashikant Phadtare (U.S.A.)
24.   Dr. K.V. Zipare (R.J. College, Akkalkot)
25.   Dr. V.Balram (Chief Scientist & head,NGRI Hydrabad.)
26.   Dr. B.N. Joshi (Gulbarga Uni.Gulbarga)
27.   Dr. Dhananjay Raval (Ankur Hobby Centre, Ahmadabad)
28.   Dr. B.P.Bandgar(Vice Chancellor,Solapur University,Solapur)
29.   Dr. N.N.Maldar(Vice Chancellor,Solapur University,Solapur)
30.   Dr. R.N.Sirsat (Goa University, Panjim)
31.   Dr. S.D.Delekar(Kolhapur University , Kolhapur)
32.   Dr. Dhananjay Sabade(Sutchem,Ahemadabad)
33.   Dr. B.H.Mehta (Mumbai University, Mumbai)
34.   Dr. Mane R.B.(Kolhapur University Kolhapur)
35.   Dr. S. B. Nimse Vice-Chancellor, scientist in Fuzzy logic.
36.   Dr. S.N. Salunke, Director of Mathematics research centre SRTMU Nanded.
37.   Dr. R. M. Dhaigude, Director of Mathematics Centre, Dr. BAMU Auranga
38.   Dr. R.M. Sharma Director Zoological society of India
39.   Dr. A. L. Mahabal Former Director ZSI
40.   Dr. Satish Pandey & Dilip Yardii.
41.   Dr. Deshpande RGTBT Bharti University Pune.
42.   Dr. C.B.Powar Eminent Scientist Nagpur
43.   Dr. B.S.Nagoba, MIMSR Medical College, Latur
44.   Dr. Ashok Kulkarni, Mediciy Medical College,Joginpalli,Hyderabad.
45.   Dr. Arun Kharat, Subcenter, BAMU, Osmanabad.
46.   Dr. U.D Deshpande, Bharati Vidyapith, Pune
47.   Dr. S.G. Kulkarni, Head Dept of Biophysics,GIS, Aurangabad
48.   Dr. Shiva Aithal, Dept of Microbiology, DSM College, Parbhani
49.   Dr. R.S.Awasthi,Principal,Shivaji College,Renapur.
50.   Dr. Gulve, SLS, SRTM, University, Nanded
51.   Dr. A. M. Deshmukh Dr. BAMU Subcentre, Osmanabad
52.   Dr. P. S. Wakte, BOS Chairman and Head DSM College Parbhani
53.   Dr. S. B. Chincholkar, Registrar, North Maharashtra University, Jalagaon
54.   Dr. A. B. Chaudhary, School Of Life Sciences NMU, Jalagaon
55.   Dr. M. K. Ranjekar, Head Dept. of Applied Biology, COE Pune
56.   Dr. B.M. Morkhande. Principal, Aditya College of food Technology. Beed.
57.   Dr. Sayyad Rizwan, Aditya College of Food Technology,Beed.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

➢ No faculty has utilized sabbatical leave for research activity.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

➢ Lab to Land research culture is fast spreading in the research atmosphere of our campus.
➢ College provided a platform for interaction between experts, research scholars and student by conducting State/ National level Seminars and Conferences.
➢ Interactions of student with eminent researchers and scientists were arranged.
➢ Through M.P.C.B. Project, continuous monitoring data of NOx, COx, SOx in different areas of Latur is analysed and data is periodically submitted to Govt. of Maharashtra.
➢ Dept. of Microbiology organizes blood group detection camp every year during NSS Camp. The people of rural area are benefitted by this activity.

3.2   Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

➢ Generally 10-15% of the annual budget is spent on research activities.
➢ Management sanctions certain amount to each department per year. For department with P.G., there is special budget for purchasing of equipments and instruments.
➢ Management sanctions Rs. 2000/- per student per year for completion of project work at PG level. It also sanctions Rs. 50000/- per year for innovative research projects from year 2012-2013.
➢ Management of the college generously supports the faculty to contribute their research work in the international conferences.
➢ A seed money of Rs. 10,000/-, was given to Dr. M.K. Ranjekar and Rs.25,000/- to Dr. J.S. Dargad as a travel grant for abroad visits. This financial assistance is non refundable.
➢ For the organization of National/State level Seminars / Conferences / Workshops/ Training Programme, management sanctions Rs. 50,000/- Per event.
➢ During last five years, an amount of Rs. 5,00,000/- was allocated by the management for organization of National / State level Seminars / Conferences / Workshops/ Training Programmes.

- **Budgetary provision for different department is as follows :**

Department	Year wise budget Allowed & Utilization									
	2009-10		2010-11		2011-12		2012-13		2013-14	
	Allowed	Utilized	Allowed	Utilized	Allowed	Utilized	Allowed	Utilized	Allowed	Utilized
Chemistry, Ind-Chemistry	2,20,000	2,19,288	2,30,000	2,58,476	2,30,000	2,10,836	2,30,000	1,85,852	2,50,000	In progress
Physics, Electronics	50,000	62,000	60,000	38,110	60,000	55,685	60,000	43,129	60000	In progress
Microbiology & Biotechnology	1,70,000	2,10,258	1,70,000	4,42,541	14,70,000	8,81,641	1,70,000	3,53,621	2,00,000	In progress
Botany	15,000	18681	20,000	3037	20,000	9220	20,000	4752	20000	In progress
Zoology	15,000	12073	20,000	10,177	20,000	6821	20,000	30018	20000	In progress
Computer Science	1,00,000	20,000	3,00,000	5,24,423	3,00,000	1,90,948	3,00,000	3,98,819	4,60,000	In progress

Head of departments and concerned faculty discusses and decides the distribution of budget for research purpose.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

➢ There is no provision in the aided college to provide seed money to the faculty for the research.
➢ However faculty avails funding sanctioned by U.G.C., DST., CSIR and other funding agencies through research project.

3.2.3 What are the financial provisions made available to support student research projects by students?

➢ There is provision of financial assistance to student researcher.
➢ The college supports the students of P.G. classes by allocating Rs. 2000/- per student per year for completion of his/her project work.
➢ This is an additional budgetary provision along with main budget of the department.
➢ College provides a number of facilities like computer, printer, scanner, internet, INFLIB-NET which gives financial support to students indirectly.
➢ The college also provides all necessary infrastructural facilities to the research students.

➢ Three B.Sc. Students received 'INSPIRE SHE' Scholorship worth Rs. 80,000/- per year, of which Rs.20,000/- are spent on their individual research projects.

➢ The students are supported by providing T.A. /D.A. to attend / present their research projects at various events.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

➢ There is good interaction in interdisciplinary research activities. The faculties exchange their knowledge, experiences and views of different discipline

Ex.:- 1. The Department of Microbiology is actively involved in analyzing the microbial and biological activities of various compounds prepared in Chemistry laboratories by student researcher and faculty researcher.

Ex.:- 2.The Department of Physics provides/shares equipmental and instrumental facilities for the analysis of various compounds prepared in Chemistry department.

e.g. UV/VIS instrumental facility and spray pyrolysis instrumental facility:

➢ Similarly, Department of Chemistry also supports other departments with respect to equipmental facilities and other facilities like glass wares and few Licensed Chemicals like alcohol.

➢ The Department of Bioinformatics and Biotechnology are involved in the interdisciplinary interactions by using tissue culture lab with Microbiology Department.

➢ There is interdisciplinary research publication of the Department of Chemistry and Physics.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The college has a satisfactory system to ensure optimal use of research recourses for the enhancement and encouraging the research work in institution:

➢ All Laboratories and instrumental facilities are provided 24 hours to the researcher. He can also avail the facilities from each department of the college whenever needed .

➢ Library provides e-journals, books through INFLIB-NET facility. It also provides reference books, periodicals, journals & other study material to the researcher.

➢ Library also provides Separate study room for the researchers.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

The college received special grants from UGC, DST and other funding agencies for developing research facilities.

➢ Details are given below:

• **Grants from UGC, DST and other beneficiary agency:**

Sr. No.	Funding Agency	Scheme	Purpose	Amount Sanction	College / Department
1.	DST	FIST	Research infrastructure development	67,00,000/-	College
		INSPIRE	Research Culture Motivation	1,13,75,000/-	College
2.	UGC	BSR	Research equipments	10,00,000/-	College
		College development	College development	16,00,000/- *9,00,000/-	College
		IMF	Instrumental maintenance	4,00,000/-	College
		Seminar / Conferences	Organization of seminar	5,50,000/-	College
		Research projects	Minor & Major Research project	29,72,734/-	College
		Additional assistance		50,00,000/- *10,00,000/-	College
		Travel Grant	To attend conferences & seminar	1,44,000/-	Dr. S.S. Bellale
3.	MPCB	Air monitoring	NOx, SOx, COx analysis	43,00,000/-	Industrial Chemistry
4.	Management		Research activities	5,45,000/-	College
5.	NAC, Bangalore	State level conformance	Mathematical bridge course between Physics & Mathematics	1,86,000/-	College

∗ Amount utilized towards research activity.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

➢ The faculty is supported and encouraged by college authorities to apply for funds and projects. IQAC & Research recommendation committee provide essential informations regarding research- supporting schemes and also help by furnishing necessary documents.

➢ The details of various project undertaken and grant received during last four years is tabulated below.

• **Major / Minor Research Projects completed.**

Sr. No.	Name of Principal Investigator	Subject	funding agency & Sanction No.	Total grant sanction	Duration	Status
1.	Dr. J.S. Dargad	Physics	UGC	73000/-	2 Yrs.	Completed
2.	Dr. N.S.Korde	Chemistry	UGC	200000/-	2 Yrs.	Completed
3.	Dr.R.S. Shinde	Chemistry	UGC	135000/-	2 Yrs.	Completed
4.	Dr. C.S. Swami	Botany	UGC	75000/-	2 Yrs.	Completed

- **Major Research Projects ongoing.**

Sr. No.	Name of Principal Investigator	Subject	Title of Project funding agency & Sanction No.	Total grant sanction	Duration	Status
1	Dr. J.S. Dargad	Physics	UGC	9,46,000/-	3 Yrs.	Ongoing
2	Dr. N.A. Kedar	Chemistry	UGC	1050800/-	3 Yrs.	Ongoing
3	Dr. S.S. Bellale	Mathematics	UGC	465000/-	3 Yrs.	Ongoing
4	The Principal	Ind-Chemistry	M.P.C.B.	43,00,000/-	6 Yrs.	On going

3.3   Research Facilities

3.3.1   What are the research facilities available to the students and research scholars within the campus?

The research facilities available to the students and research scholars within the campus are as follows.

a)   Infrastructure:
➢ The Department of Microbiology, Physics, Botany and Zoology have research guides to provide all support and co-ordination for the research activity.
➢ The college has following research facilities in the campus.
➢ The Department of Chemistry, Microbiology, Physics and Mathematics have separate well equipped research laboratories.
➢ There is well developed botanical garden with medicinal plants.
➢ There is well established Zoological museum with worth collection of some rare specimens.

b)   Research equipments / Instruments:
➢ There is separate instrumentation room in the department of Chemistry, Microbiology, Physics and Electronics.
➢ In other departments, the laboratories are facilitated with Major and Minor equipments.

- **The Major equipments available in the departments are as follows:**

Sr. No.	Department	Name of the Major equipment.	No. of Equipments
1	Chemistry	1. Rotary evaporator	01
		2. Sonicator S.S. Body	02
		3. Double Distillation Glass Apparatus	01
		4. U.V. Spectrophotometer	01
		5. Digital Flame Photometer	02
		6. Digital Polarimeter	02
		7. Electrophoresis	02
		8. Over Head Projector	01
		9. Hot Plate	01
		10. Spectophotpmeter	03
		11. Suction Pump	09
		12. Digital PH Meter	07
		13. Heating Mantal	08
		14. Colorimeter	02
		15. Digital Condctivity meter	05
		16. Digital Potentiometer	03
		17. Photoelectric colorimeter	05
		18. Freez	04
		19. Centrifuge machine	01
		20. Thermostat	01
		21. Flash Fire Point Apparatus	01
		22. U.V. Cabinet	02
		23. Digital Melting Point Apparatus	01
		24. Oven	04
		25. Electronic Balance	04
		26. Computer	04
		27. LCD Projector	01
		28. Scanner	01
2	Physics, Electronics & Computer Science.	1. Computer	65
		2. Printer	06
		3. Projector	01
		4. Genus Online U.P.S.	01
		5. Spray Pyrolysis Unit	01
		6. L-C-R Meter (Digital)	01
		7. UV- Spectrophotometer	01
		8. Spin Coating machine for thin films	01
		9. Chemical Bath Deposition Unit	01
		10. Distilled Water Unit	01
		11. Hand Held LCR meter	01
		12. Mini –Lab 20 MHz Oscilloscope	01
		13. Digital Storage Oscilloscope	01
		14. Astronomical Telescope	02
		15. G.M. Counter	01
		16. CRO-1MHz	05
		17. CRO-2MHz	11
		18. Function Generator	22
		19. Spectrometer	09
		20. CRO-APLAB 10MHZ DUAL TRACE	02

		21. CRO-APLAB 20MHZ DUAL TRACE	03
		22. CRO-15MHZ SCIENTECH 800	02
		23. CRO-(SCINTIFIC)	01
		24. CRO-(PHILIPS)	02
		25. CRO	03
		26. APLAB MINI VOLTMETER	01
		27. A.F. GENERATOR (PHILIPS)	01
		28. G.M. COUNTER	01
		29. APLAB SIGNAL GENERATOR	01
		30. FUNCTION GENERATOR 1MHZ(APLAB)	02
		31. R.F. GENERATOR	01
		32. SINE SQUARE GENERATOR (AGRONIC)	01
		33. LCR METER-926	01
		34. RADART 2126 AUDIO OSCILLATOR	01
		35. RADIO MIXER STAGE	01
		36. APLAB 2MHZ FUNCTION GENERATOR	01
		37. APLAB DIGITAL POWER SUPPLYT (L1602)	01
		38. APLAB 2MHZ SIGNAL GENERTOR	01
		39. APLAB 10 MHZ SIGNAL GENERATOR	01
		40. SINE SQARE OSCILLATOR (TESTRONIX)	01
		41. POWER AMPLIFIER (PHILIPS)	01
		42. R.F. GENERATOR	01
		43. A.F. GENERATOR	03
		44. FUNCTION GENERATOR	02
		45. FUNCTION GENERATOR	02
3	Zoology and Fishery	1. Compound Microscope	27
		2. Dissecting Microscope	7
		3. Bio-nuclear Microscope	2
		4. Pathological Microscope	2
		5. Microtome	1
		6. Refrigerator	2
		7. Electronic Balance	1
		8. Electric Mixer	1
		9. Incubator	1
		10. Calorimeter	1
		11. pH.Meter	1
		12. Water Bath	1
		13. Computer	1
		14. Printer	1
		15. LCD Projector	1
4	Microbiology and Biotechnology	1. Laboratory Autoclave	11
		2. Over Head Projector	02
		3. Refrigerator	05
		4. Hot Air Oven	05
		5. Systronics Digital PH Meter	05
		6. Colorimeter (Systronics)	02

		7. Horizontal Laminar Flow	06
		8. Shaking Incubator	01
		9. Microscope	19
		10. Heating Mantle	03
		11. Microcentrifuge	01
		12. Rotary Shaker	02
		13. Flame Photometer	01
		14. Water Analyser	01
		15. Deep Freezer	01
		16. Water Still (Monestry) 4Kit/4	05
		17. Incubator	06
		18. Digital electrophoresis	02
		19. Spectrophotometer	02
		20. Revolutionary high speed R- 24 Centrifuge research	01
		21. Slide Projector	01
		22. BOD incubator	02
		23. Homogenizer	01
		24. Centrifuge	01
		25. Lenovo desktop (think centre computer)	16
		26. Dell INS 15 RC/4GB/500GB/11 GB/W in 7 batch ShPs7BG	01
		27. G.g.m.w.o. Microoven	01
		28. Evrskra Forbs R.O.	01
		29. Canon laser jet printer MF 4412	01
		30. Geni make thermal cyler sample capacity 0.5 mlX20 well block-196860-94.1 nog	01
		31. Chemito 2100 scanning is v.v.is spectrophotomer with essantred S.no.2262/0702	01
		32. C-24 "REMI" high speed cooling centrifuge S.no. BIIC-8689	01
5	Botany	1. Refrigerator	02
		2. Incubator	02
		3. Hot air oven	01
		4. Autoclave	01
		5. Photoelectric colorimeter	01
		6. Digital Photoelectric colorimeter	01
		7. Centrifuge	01
		8. Slide projector	01
		9. Projector	01
		10. Tilak air sampler	01
		11. Mixer grinder with 3 pot	02
		12. Electronic balance	01
		13. Heating mental	05
		14. Microtome	01
		15. Chromatography chamber and boat	01
		16. Inoculating chamber and UV lamp	01
		17. Water distillation plant 5 liter cap.	01
		18. Digital Spectro Photo meter	01
		19. Juicer	01
		20. Microwve Oven	01

		21. Tray drying oven	01
		22. Deep freezer	01
		23. Pulper machine	01
		24. Hand sugar refractometer 0 to 32%	01
		25. Hand sugar refractometer 28 to 62%	01
		26. Hand sugar refractometer 58 to 98%	01
		27. Crown sealing machine	01
		28. Laminar air flow	01
		29. Computer with printer	01
		30. Binocular research microscope	01
		31. Trinocular Research microscope with Digital camera	01
		32. pH meter	01
		33. Compound Microscope	43
		34. Dissecting microscope	21
		35. Over head Projector	01
		36. Laptop	01
		37. Computers	01
		38. Printer	01

c)   Library Facilities:
➢   The central library is well automated with INFLIB-NET and it has 30 research journals / periodicals/ magazines.
➢   INFLIB-NET provides 4000 e-journals and 97000 e-books for students and researchers.
➢   The Library has provided all reprographic facilities.
➢   Separate reference section is available in the library.
➢   A separate space is provided for teachers and researchers in the library.
➢   In addition to central library, each department has departmental library.
➢   Department of Mathematics and Microbiology equipped with MAT-LAB software.

3.3.2   What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

➢   To enhance the research in the college, proper planning is carried through research committee.
➢   These plans are prepared along with collaborations of the departments for the outcome of the research project / proposals given.
➢   To get recognition for research centre in Chemistry, Botany, Zoology and Physics.
➢   To introduce new P.G. Courses in Mathematics.
➢   To increase industry interaction.
➢   To invite expertise and scientists to develop and enhance the collaborative research with other universities and institutions.
➢   Library facilities update with advanced softwares and e-journals and books.
➢   To apply for research grants to various agencies like UGC, DST and DBT.

- **Up- gradation or outcome of plans:**
- ➢ As per the plan the college has recognized research guides in Botany, Mathematics, Zoology and Physics.
- ➢ College has applied for recognition of new research centres in Chemistry and Physics and P.G. in Mathematics.
- ➢ Dept. of Industrial Chemistry started collaborative work with M.P.C.B.
- ➢ Library is supported by INFLIB-NET and OPAC softwares, e-journals and periodicals.
- ➢ Faculty applied and sanctioned Major and Minor Research Projects to various funding agencies to carry out research work.
- ➢ To meet the need of researchers, the eminent and expertise from, other sources like NCL,IICT, IIT, IISER are invited regularly.
- ➢ These faculties focus on the needs in the new and emerging area of research.

- **Creation of infrastructural facilities:**
- ➢ College has separate instrumentation rooms in department of Chemistry, Physics and Microbiology and Biotechnology.
- ➢ FIST grant is sanctioned by DST to college, which is to be used to sophisticate and update the instrumental and infrastructural facilities in research laboratories.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments/ facilities created during the last four years.

➢ Yes, college has received special grants or finances from the various agencies for developing research facilities.
These are as follows:

Sr. No.	Name of Funding Agency	Funds received
1.	DST Inspire Science Camp and DST FIST	1,80,00,000/-
2.	UGC	79,67,334/-
3.	DES	5,45,000/-
4.	M.P.C.B	43,00,000/-

- **Instruments / facilities created during last four years:**

Sr. No.	Name of Equipment	Quantity	Year
1	pH system with electrode & Temp. probe	1	2007
2	Digital Photoelectric	2	2007
3	Monocular Microscope	1	2007
4	Potentio Meter 609A	17	2007
5	Sony Digital Camera	1	2008

6	1.Red wood Viscometer	1	2009
	2.Ables Flash Point Apparatus	1	
	3.Cleveland flash point & fire point appar	1	
7	Spectrophotometer	1	2009
8	Polarimeter	1	2009
9	Cathode Ray Oscilloscope	2	2009
10	Function Generator	1	2009
11	Two stage Glass distillation Unit	1	2012
12	All Quart Double Distiller	1	2012
13	Inverted Microscope	1	2012
14	All Glass Filtration Assembly	1	2012
15	Gel Electrophoresis Unit	1	2012
16	Digital Balance	4	2012
17	Kjehldahl Distillation Assembly	1	2012
18	PCR Workstation	1	2012
19	Batch Reactor	1	2012
20	Plug Flow reactor	1	2012
21	Tubular Flow Reactor	1	2012
22	Distillation at total Reflux	1	2012
23	Vacuum Ovem Round (9"12") with Vacuum Pump	1	2012
24	Soil Testing Kit	1	2012
25	Digital pH Meter	1	2012
26	UV visible Double Beam Spectrophotometer	3	2012
27	PC Operated FT-IR Spectrometer	1	2012
28	Gas Chromatograph Microcountroller Based System Type 8204 with acceseries	1	2012
29	Desktop Computer	30	2012
30	UV-Vis, Spectrophoto Meter Double Beam (S-926)with Accessory	1	2011
31	B.O.D. Incubator (Digital) 10 cuft.	1	2011
32	Suction Pump (Apparatus)	5	2011
33	Kelvinator Ref. KWP224	2	2011
34	E-Beam Projection USB	2	2011
35	SIMTEL Digital Elec.	1	2011
36	SIMTEL Analog Elec.	1	2011
37	SIMTEL Analog Commu.	1	2011
38	SIMTEL Digital Commu.	1	2011
39	SIMTEL Physics XII	1	2011
40	TINA V9 Educational Version Design Suit (With PCB Design)	1	2011
41	U.V. Cabinet with Ele. Arr.	2	2011
42	Digital Melting Point Appratus	2	2011
43	Sonicator S.S. Body	2	2011
44	Polarimeter with sodium lamp	1	2011
45	Digital Photo Colorimeter	2	2011
46	Double Distillation (Glass)	1	2011

47	Velding Machines with coin	1	2011
48	Crystal Make Epabx System 4x36 (with internal caller ID)	1	2011
49	Beetal telephone set with Call ID	19	2011
50	Laminar Air Flwo Dual Side 4.5x2.5 floor top model	4	2011
51	Spray Pyrolysis Equipment no. Ho-Th-04	1	2011
52	Model INTECH 2800 Microprocessor based Double beam scanning UV/visible Spectrophotomer system incudes standard 2 cell holder, A Stand alone with in built software & also PC Controllable system.	01	2012
53	Xerox WC5016 Printer/Copier/ Scanner, Stabilizer Unit	01	2012
54	Benq MS502 Projector	04	2013
55	Benq Jaybee Gp2 Projector, Hdmi Cable, Tab Hadmi Converter	01	2013
56	Thermo, Digital Balance	02	2013
57	HP P3330mt G630 Desktop, Compaq 18.5" Led Monitor	08	2013

3.3.4   What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

➢ Off campus research facilities are offered to PG and UG students to carry out the project works in the institutes outside the campus.
➢ The department Chemistry, Microbiology and Biotechnology. (PG Departments) have linkages with other institutions, these linkages are used by the students to complete their project work and research.
➢ Some of our faculties who have research guideship can avail the facilities from other research centers.

3.3.5   Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

➢ The college provides well furnished and equipped library facilities.
   The central Library has:

   1.   INFLIB –NET
   2.   OPEC/ OPAC
   3.   Access e-books and e-journals
   4.   Reference books
   5.   Periodicals, journals, magazines
   6.   Separate study room for researchers
   7.   Reprographic facilities:
        a)   Photocopier   b)   Computer
        c)   Printer   d)   Scanner

3.3.6　What are the collaborative research facilities developed / created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

➢　Yes, The college has developed collaborative research facilities.
➢　The research laboratory in Microbiology is used by department of Botany, Zoology, Chemistry with respect to instrumental facilities and computers.
➢　Central library provides INFLIB-NET to all researchers.
➢　Teachers/ students develop their own collaborations with other organizations.

3.4　Research Publications and Awards

3.4.1　Highlight the major research achievements of the staff and students in terms of

➢　Patents obtained and filed (process and product):- **NIL**
➢　Original research contributing to product improvement:- **NIL**
➢　Research studies or surveys benefiting the community or improving the services.
➢　Research studies carried out in Industrial Chemistry department through M.P.C.B. project of continuous air monitoring of air sample in Latur town, which provides valuable information to Govt. of Maharashtra which is helpful to solve environmental problems/ air pollution in this region.
➢　Department of Chemistry carried out a survey regarding hardness of water of bore well in Latur town concludes that 65 % of this is non potable with respect to hardness.
➢　Research inputs contributing to new initiatives and social development:- **NIL**

3.4.2　Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

➢　Dr. S.S. Bellale is a member of Editorial board of 'Journal South Asian Studies Australia'.

3.4.3　Give details of publications by the faculty and students:

➢　Faculty involved in research publications, its outcome in various journals, Proceedings of National / International levels.
➢　Faculties of this college published 99 Publications in peer reviewed journals and more than 25 of which have listed in international database such as scopus and science Direct. Faculty has also published books with ISSN and ISBN number.

●　**Publication per faculty:**
➢　Number of papers published by faculty and students in peer reviewed journals (national / international).

1.   Research Papers/ Articles:-

Sr.No.	Name	Department	Name of Journal	Title	Year
1.	Dr. J. S. Dargad	Electronics	Material Science England	"Cd1-xMnxS nanocrystaline thin film preparation and studies on structural and electrical properties."	2012
2.	Dr. J. S. Dargad	Electronics	Turk. J. Phys., 33 (2009)	$Cd_{1-x}Mn_xS$ Dilute Magnetic Semiconductor : Application in Photo electrochemical Cells	2009
3.	Dr. J. S. Dargad	Electronics	(communicated)	Synthesis and Some Physical Studies on CdMnS Diluted Magnetic Semiconductor Thin Films	
4.	Dr. J. S. Dargad	Electronics	(communicated)	CdMnS DMS Thin Films : Determination of Structure and Correlation with Electrical Transport Characteristics	
5.	Dr. J. S. Dargad	Electronics	Journal of world Academy of Science, Engineering and Technology.	CdMnS DMS Thin Films : Synthesis, Characterization and Application in Photoelectrochemical Cell"	2013
6.	Dr. J. S. Dargad	Electronics	Journal of Nano Science and Nano engineering.	Effect of Mn Doping Concentration on Structural, Morphological and Optical Studies of ZnO Nano – particles.	2013
7.	Mrs. S.A. Mirikar	Electronics	Various innovation methods in Physics.	Paper submitted	2012
8.	Mrs. S.A. Mirikar	Electronics	Ultrasonic investigation of molecular interactions	Paper submitted	2013

			in mixed aqueous system at different temperatures at 2 MH_Z.		
9.	Mrs. S.A. Mirikar	Electronics	Excess thermo dynamical properties of electrolytes solution with aqueous amino acids at 303.15k, 308.15k & 313.15k	Paper submitted	2012
10.	Prof. K. N. Rathod	Physics	International Journal of Nanotechnology and application	"The effect of concentration of $cdcl_2$ on structural and optical properties of cds thin films.	2012 2013
11.	Prof. K. N. Rathod	Physics	National journal Bionano frontier	"Design of new experimental Set up for chemical bath Deposition and Fabrication of CDS Nano thin films."	2012 2013
12.	Shri.Y.P. Sarnikar	Chemistry	Vision Research Journal for Chemistry ISSN-2319-4720	An efficient method for the S-alkylation of thiols with alcohol catalyzed by 3-nitro-benzene boronic acid uder environmentally benign condition	2013
13.	Miss. N.S. Korde	Chemistry	Chemical Sciences Transaction	Efficient Ultrasound Synthesis, Characterization & Antimicrobial Screening of novel cyclic beta diketones	2012
14.	Dr. R.V. Kirtane	Zoology & Fishery	Universal Research Analysis.	Hematological Parameters in the fresh water fish (mafias bleekeri) expected to Sublettial concentration of capermethion	11March-2011 to Aug-2011
15.	Prof. S.K. Alane	Botany	Bioinfolet	A note on induction of chromosomal aberrations by trichloroacetic acid	2005
16.	Dr.C.S. Swami	Botany	Geobios	Antifungal property of some plant extracts	2006

				against tomato fungi.	
17.	Dr.C.S. Swami	Botany	Bioinfolet	Efficacy of Trichoderma viride against fungal pathogens of tomato fruits.	2006
18.	Dr.C.S. Swami	Botany	Biosciene Discovery	Efficacy of some botanicals against seed- borne fungi of green gram (Phaseolus aureus Roxb.).	2013
19.	Shri R.S. Shinde	Chemistry	Der. Pharmacia International Journal of Applied biology & Pharmaceutical Technology	Synthesis of some New Chamcone, Flavaones & Screening for Antimicrobial Activity	2010
				Studies in Synthesis of toxicity on Fish of sum newly Synthesized Chalcone	2010
20.	Dr. A.V. Patil	Physics	Journal of Molecular Liquids	Microwave dielectric spectra and molecular interaction in binary mixture of ethanolamine with diethanolamine.	2013
21.	Dr. A.V. Patil	Physics	Journal of Molecular Liquids	Dielectric relaxation study of hydrogen bonded structures in ethanolamine with diethanolamine using TDR technique.	2012
22.	Dr. M.A. Bembade	Phy. Edu. & Sports	World's genius-ISSN-2277-8381.	Can Speed Affects on acad. Achievement….	Nov. 2012
23.	Dr.M.A. Bembade	Phy. Edu. & Sports	SOUVENIR State level conference ISBN 978-81-92-48-94-8-3	Study The Strategy To Manage Mental Toughness	29 Dec. 2012

24.	Dr. M.A. Bembade	Phy. Edu. & Sports	SOUVENIR State level conference ISBN 978-81-92-48-94-8-3	शारिरीक क्षमतांचा भाषा विषयाशी असणारा सहसंबंध	29 Dec. 2012
25.	Dr. M.A. Bembade	Phy. Edu. & Sports	SOUVENIR State level conference ISBN 978-81-92-48-94-8-3	वरीष्ठ वयोगटातील गोळाफेक •ोेळाडूंसाठी कौशल्य...	29 Dec. 2012
26.	Prof. A.M. Chougule	Indus trial Chem istry	Pelagia Research Library European Journal of Experimental Biology2011	Study on ambient concentration of air quality parameters(PM_{10},SPM,SO_2 and NO_x)in different months.	2011
27.	Prof. A.M. Chougule	Indus trial Chem istry	Interlink Research Analysis	Synthesis and Spectral studies of some Heterocyclic Schiff base ligand.	2011
28.	Prof. A.M. Chougule	Indus trial Chem istry	International Journal Of Basic and Applied Research	Synthesis, spectral studies and Fungicidal activity of some Heterocyclic Shiff base Metal Complexes.	2011
29.	Dr. V. A. Chaudhari	Physi cs	Physica B	"Structural and Impedance Spectroscopic Studies on $PbZr_xTi_{1-x}O_3$ Ceramics,"	2010
30.	Dr. V. A. Chaudhari	Physi cs	Smart Materials Research	"Synthesis, Structural and Electrical Properties of Pure $PbTiO_3$ Ferroelectric Ceramics"	2013
31.	Dr. S. S. Bellale	Math emati cs	Non linear analysis, Theory Methods and applications. 71(2009)e319-e328. U.S.A. **ISSN : 0362-546X**	Existence theorem for perturbed abstract measure differential Equations	2009
32.	Dr. S. S. Bellale	Math emati cs	Global Journal of Mathematical Analysis, 1(2007). No. pp. 29-48. **ISSN**	Abstract Measure Integro-differential equations	2008

			: 0973-7774		
33.	Dr. S. S. Bellale	Mathematics	Electronic Journal of Qualitative Theory of differential Equations, 2008 No. 10,1-13. **ISSN : 1417-6875**	Local Asymptotic Stability for Nonlinear Quadratic Functional Integral Equations.	2009
34.	Dr. S. S. Bellale	Mathematics	Mathematical Sciences Research Journal U.S.A. 07(2010),98-118 **ISSN : 1537-5978**	On Quadratic Abstract Measure Integro-Differential Equations	2009
35.	Dr. S. S. Bellale	Mathematics	Proceeding of National conference on mathematics, Aurangabad. 1(2009) No. 18-28 , ISBN : Not Avilable	Existence Theorems for Abstract measure differential equations.	2010
36.	Dr. S. S. Bellale	Mathematics	Proceeding of National conference on Advances in Computational Mathematics, Latur. 1(2011)-**ISBN978-81-9207**	Existence of Solution of Abstract measure differential equations via Dhage's fixed point.	2011
37.	Dr. S. S. Bellale	Mathematics	Accepted for the publication in the journal of FILOMAT	Existence Theory on Quadratic Abstract Measure integro-Differential equations	2011
38.	Dr. S. S. Bellale	Mathematics	Accepted for the publication of journal of I.M.S.,25-31,2011	Existence Theorem for Measure integro-Differential equation	2011
39.	Dr. S. S. Bellale	Mathematics	Global Journal of Mathematical Analysis, 3(2011). No. pp. 91-98. **ISSN : 0973-7774**	Existence of Solution of Measure differential equation via hybrid fixed point theory.	2012
40.	Dr. S. S. Bellale	Mathematics	Preceding of conference Recent Advances in Applied Mathematics 1(2012) **ISBN 97881-78302**	Existence of Solution for Quadratic Abstract Measure Integro-Differential Equations via Dhages Fixed Point	2011
41.	Dr. S. S.	Math	Dynamics Systems	On Stability of	2007

	Bellale	emati cs	and Applications 19(2012) 11-22 ISSN1056-2176	Abstracts Measure Delay Integro-Differential Equations	
42.	Dr. S. S. Bellale	Math emati cs	World Academy Of Science, Engineering and Technology, 73(2013) 782-785 ISSN- e2010-3778	Hybrid Fixed Point Theorem For Abstract Measure Differential Equation	2013
43.	Dr. V. D. Mote	Physi cs	Bionano Frontier (Special Issue)	Synthesis and Structural properties of Mn doped ZnO nanoparticles by ceramic route	2010
44.	Dr. V. D. Mote	Physi cs	International Journal of Systems Biology	The structural study of Pr substituted Eu-123 High Tc cuprate superconductors	2010
45.	Dr. V. D. Mote	Physi cs	Journal Current Applied Physics	Structural studies of Mn doped ZnO nanoparticles	2011
46.	Dr. V. D. Mote	Physi cs	Crystal Research &Technology	Structural and morphological studies on Manganese substituted ZnO nanometer-sized Crystals	2011
47.	Dr. V. D. Mote	Physi cs	Journal of Physics	The structural study of Pr substituted Eu-123 high Tc cuprate superconductors	2011
48.	Dr. V. D. Mote	Physi cs	Asian Journal of Chemistry	Synthesis and structural study on Co substituted ZnO nanoscale crystals	2011
49.	Dr. V. D. Mote	Physi cs	Asian Journal of Chemistry	The Role of Pr Substituted Eu-123 High Tc Cuprate Superconductors	2011
50.	Dr. V. D. Mote	Physi cs	American Institute of Physics,	Effect of temperature on the structural properties of Mn substituted ZnO nanoparticles	2011
51.	Dr. V. D. Mote	Physi cs	American Institute of Physics	The crystallographic study of Pr	2011

				substituted Eu – 123 High Tc Cuprate Superconductor	
52.	Dr. V. D. Mote	Physics	Journal of Theoretical and Applied Physics	Williamson-Hall analysis in estimation of lattice strain in nanometer-sized ZnO particles	2012
53.	Dr. V. D. Mote	Physics	Ceramica	Synthesis and Characterization of Pr substituted Gd-123 high Tc superconductors	2012
54.	Dr. V. D. Mote	Physics	World Journal of Condensed Matter Physics	Crystallographic and Optical studies on Cr Doped ZnO Nanocrystals	2012
55.	Dr. V. D. Mote	Physics	International Journal Chemistry	Synthesis and estimation of physical parameters of Cobalt doped ZnO Nanocrystals by Williamson-Hall analysis	2012
56.	Dr. V. D. Mote	Physics	American Institute of Physics	Synthesis and characterization of Mn doped ZnS nanometer-sized particles	2012
57.	Dr. V. D. Mote	Physics	World Journal of Condensed Matter Physics	The Crystallographic and Optical Studies on Cobalt Doped CdS Nanoparticles	2013
58.	Dr. V. D. Mote	Physics	International Journal of Nanoscience	Synthesis and Characterization of Mn substituted ZnO nanoparticles	2013
59.	Dr. V. D. Mote	Physics	Advanced Materials Research	Synthesis and crystallographic study of Co doped ZnO nano-sized powders by co-precipitation method	2013
60.	Dr. V. D. Mote	Physics	Advanced Materials Research	Effect of PEG on structural and magnetic properties of Mn doped ZnO nanocrystals	2013
61.	Dr. V. D.	Physics	Advanced Materials	Crystallographic &	2013

	Mote	cs	Research	Electrical Properties of Pr Substituted Gd-123 Nanometre Sized High Temperature Superconductors	
62.	Dr. V. D. Mote	Physics	American Institute of Physics,	Crystallographic, FTIR and optical property studies on Co doped ZnS nanometer-sized crystals	2013
63.	Dr. V. D. Mote	Physics	Ceramics International Journals	Role of Pr in Eu-123 high Tc nanometer-sized superconductors	2013
64.	Dr. V. D. Mote	Physics	Journal of Nano Science and Nano engineering.	Effect of Mn Doping Concentration on Structural, Morphological and Optical Studies of ZnO Nano – particles.	2013
65.	Dr. V. D. Mote	Physics	International Journal of Chemistry	Dopig effect of Co on the structural and optical properties of ZnS nanocrystals	2013
66.	Dr. V. D. Mote	Physics	Ceramica	Structural, morphological and optical properties of Mn doped ZnS nanocrystals	2013
67.	Dr. V. D. Mote	Dr. V. D. Mote	Universal Journal of Physics and application	Synthesis, Crystallographic and Magnetic Properties of Mn Doped ZnO Nanocrystals Via Solid State Reaction Technique	2014
68.	Shri. G.H. Bane	Hindi	Vision Research Review. International Registered & Recognized Research Journal to Higher Education For All Subjects.	राजेन्द्र यादव कृत सारा आकाश उपन्यास में संयुक्त परिवारों के कलहपूर्व जीवन का चित्रण.	June-2011 to Nov-2011
69.	Shri. G.H. Bane	Hindi	Hi-tech Research Analysis International Research Journal.	आज के युग में कबीर के पदों का प्रभाव.	Sep-2011 to Feb-

					2012
70.	Shri. G.H. Bane	Hindi	Universal Research Analysis International Registered & Recognized Research Journal Related To Higher Education For All Subjects.	जनसंचार के माध्यमों में समाज का सीन —	Sep.-2011 to Feb.-2012
71.	Shri. G.H. Bane	Hindi	Hi-tech Research Analysis International Research Journal	कमलेश्वर के उपन्यासों में नारी रूपों का चित्रण	Feb.-2012 to July-2012.
72.	Shri. G.H. Bane	Hindi	Universal Research Analysis International Registered & Recognized Research Journal Related To Higher Education For All Subjects.	छायावादी काव्य में नारी चित्रण	March-2012 to Aug-2012.
73.	Shri. G.H. Bane	Hindi	Universal Research Analysis International Registered & Recognized Research Journal Related To Higher Education For All Subjects.	भगवतीचरण वर्मा के उपन्यासों में नारी संबंधी समस्या	March – 2012 to Aug-2012
74.	Shri. G.H. Bane	Hindi	Unique Research Analysis International Research Journal	हिंदी व्यंग्य साहित्य में नारी के विविध आयाम	Apr-2012.
75.	Shri. G.H. Bane	Hindi	Worlds Genius, International Level Referred Registered Monthly Research Journal.	हिन्दी दलित साहित्य की प्रष्टीूमी	June-2012.
76.	Shri. G.H.	Hindi	Unique Research Analysis	मोहन राकेश की कहानियों में आधुनिकता	June-2012.

	Bane		International Research Journal.		
77.	Shri. G.H. Bane	Hindi	Unique Research Analysis International Research Journal.	'साकेत' में विरह वर्णन	July-2012.
78.	Shri. G.H. Bane	Hindi	Akshardeep International Research Journal.	मोहन राकेश और उनका आषाढ का एक दिन'	Aug-2012
79.	Shri. G.H. Bane	Hindi	Interlink Research Analysis International Registered & Recognized Research Journal.	दलित साहित्य का सौंदर्यबोध	July-2012.
80.	Shri. G.H. Bane	Hindi	Hi-tech Research Analysis International Research Journal.	हिन्दी ललित निबन्धों में सांस्कृतिक चित्रण	Aug-2012.
81.	Dr. S.B. Katare	Marathi	Universal Research Analysis	धनगरी लोकाख्यानाची (लाकेकथागीते) गायन पध्दती: एक शोध	Aug-2011
82.	Dr. S.B. Katare	Marathi	लोक विद्यापत्रिका	धनगरांचे लोकाख्यान: संज्ञा व संकल्पना	Dec-2011
83.	Dr. S.B. Katare	Marathi	Akshardeep	संत चोखामेळा : दलित जाणिवांचा पहिला हूंकार	Nov-2012
84.	Dr.S.B. Katare	Marathi	Counterview	रणजित देसाई: कोल्हापूरच्या मातीतला, उत्तूंग प्रतिभेचा ग्रामीण लेखक	Sep.-2012
85.	Prof. M.M. Pandit	English	Indian writing in English Translation.	Translation as a Means of cross Cultural communication: An Over view	March-2013
86.	Dr. C.S. Swami	Botany	Emerging Trends in Mycology Plant Pathology & Microbial Biotechnolog.	Incidence of Diseases on Tomato Fruits in Marathwada and their Biocontrol Measures.	2006
87.	Miss. A.G. Siddiqui	Microbiological	Asian Journal of Microbiology and biotech	Studies on effect Of Pyocyanin pigment on Pathogens Commonly involved in	2007

				pyogenic infections	
88.	Miss. A.G. Siddiqui	Micr obiol ogical	Bionano Frontier	Use of Urine As a Growth Medium for Common Urinary Pathogens.	2008
89.	Miss. A.G. Siddiqui	Micr obiol ogical	Bionano Frontier	Studies on Antifungal Activity of Pyocyanin Pigment.	2007
90.	Dr. R.V. Sounke	Zool ogy & Fishe ry	Trends In parasitology Research	New Species of the Genus Lytocestus (Caryophyllidea Lytiocestidate) From catfish in Latur. Dist.	2012
91.	Dr. R.V. Sounke	Zool ogy & Fishe ry	Journal of Ecophysiol. Occup.	Impact of industrial effluents on acid phosphatase activity in gill, gonad, hepatopancreased, adductor muscles, foot and mantle of fresh water bivalve, Lamellidens marginalis.	2007
92.	Dr. R.V. Sounke	Zool ogy & Fishe ry	National journal of Life Sciences.	A new species of genus cephalobothrium (Cestoda: Lecanicephalidea) At Alibag (M.S.)	2007
93.	Dr. A.V. Patil	Physi cs	Journal of Molecular Liquids	Dielectric relaxation study of solute solvent interaction between dimethylene chloride and dimethylformamide using time domain reflectometry.	2010
94.	Dr. A.V. Patil	Physi cs	Journal of Molecular Liquids	Study of interaction trhough dielectrics: Behaviour of OH group molecules from 10 MHz to 20 GHz.	2011

95.	Dr. A.V. Patil	Physics	Archives of applied science Research,2012	Study of molecular interaction in binary mixture of dimethylene chloride with dimethylformamide suing Bruggeman model.	2012
96.	Dr. V.A. Chaudhari	Physics	(In Press INTEGRATED FRROELECTRICS)	Vijendra A. Chaudhari and Govind K. Bichile, "Study of phase transitions and response of Dielectric behavior of $Pb_{1-1.5x}La_xTiO_3$ (PLT) Ceramics"	2013
97.	Dr. R.V. Sounke	Zoology & Fishery	Trends In parasitology Research	A New Record Tylocephalum Govindi SP. Nov. (Cestoda – Lecanicephalidae) In Trygon Sephen, From Uran, Sinddhudurg Distrctict (M.S)	2013
98.	Miss. N.S. Korde	Chemistry	International Journal of Green & Harble Chemistry	Efficient Ultrasound Synthesis, & Biological Screening of Metal Complexes of 1-(2-Hydroxy Phenyl)-3-(4-Ethoxy Phenyl) Propane-1,3-dione	2012
99.	Miss. N.S. Korde	Chemistry	Der. Pharmachemica	Efficient Ultrasound Synthesis of beta-diketones & its metal complexes	2012
100.	Dr. M.A. Bembade	Phy.Edu.& Sports	Role of Physical Education and Yoga for the Welfare of Society. ISSN 2229-5623.	The roll of media in the Yoga Revolution and Awareness of Physical Fitness.	2012
101.	Dr. M.A. Bembade	Phy.Edu.&	Role of Physical Education and Yoga	Yoga and Sport An Effective Source of	2012

		Sports	for the Welfare of Society. ISSN 2229-5623.	Management for Modern lifestyle and social life.	
102.	Dr. M.A. Bembade	Phy.Edu.& Sports	Role of Physical Education and Yoga for the Welfare of Society. ISSN 2229-5623.	A Study of New format for O.D.I. Cricket As Recommended by Sachin Tendulkar.	2012
103.	Dr. M.A. Bembade	Phy.Edu.& Sports	The Unic Research Analysis. ISSN-2229-5623	A Study of Relationship Between Scholastic Achievement and Body Mass Index.	2011

➢ Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) .

- Monographs
- Chapter in Books
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

- **Publication by Faculty Member Book/ Ed. Books**

Sr. No.	Name	Department	Books/Ed. Books	Publisher	Year
1.	Prof. S.B. Katare	Marathi	परिसरातील नवीन कविता	Isap Prakshan	2005
1.	Prof. S.K. Alane	Botany	Text book of Plant Physiology, Biochemistry and Biotechnology	Nikita Publication, Latur	2005
2.	Dr. C.S. Swami	Botany	The Fungi on Different Niches. Modern Topics in Fungi.	Saraswati Publication, Aurangabad	2004
3.	Dr. S. S. Bellale	Mathematics	A Text Books "**Perfect Mathematics XII Vol-II**" Target Publication, Mumbai(Pub code TPPL-M2-XII, Nov 2009).	Target Publication, Mumbai	2008-2009

4.	Dr. S. S. Bellale	Mathematics	A Text Books "**Perfect Mathematics XII Vol-I**" Target Publication, Mumbai(Pub code TPPL-M1-XII, Dec 2009	Target Publication, Mumbai	2008-2009
5.	Dr. S. S. Bellale	Mathematics	A Text Books "**Perfect Mathematics XI Vol-I**" Target Publication, Mumbai(Pub code TPPL-M1-XI, June 2010)	Target Publication, Mumbai	2009-2010
6.	Dr. S. S. Bellale	Mathematics	A Text Books "**Perfect Mathematics XI Vol-II**" Target Publication, Mumbai(Pub code TPPL-M2-XI, June 2010)	Target Publication, Mumbai	2010-2011
7.	Dr.S.S. Bellale	Mathematics	A Text Books "**MHTCET Target Maths XII**" Target Publication, Mumbai(Pub code TPPL-M1,2-XII April 2011)	Target Publication, Mumbai	2010-2011
8.	Dr. S. S. Bellale	Mathematics	A Text Books "**Target's perfect Mathematics XI-Vol-I**" Target Publication, Mumbai(Pub code TPPL-M1-XI June 2011)	Target Publication, Mumbai	2011-2012
9.	Dr. S. S. Bellale	Mathematics	A Text Books "**Target's perfect Mathematics XI-Vol-I**" Target Publication, Mumbai(Pub code TPPL-M1-XI July 2011)	Target Publication, Mumbai	2011-2012
10.	Dr. S. S. Bellale	Mathematics	A Text Books "**Target's perfect Mathematics XII-Vol-I**" Target Publication, Mumbai(Pub code TPPL-M1-XII March 2012)	Target Publication, Mumbai	2012-2013
11.	Dr. S. S. Bellale	Mathematics	A Text Books "**Target's perfect Mathematics XII-Vol-II**" Target Publication, Mumbai(Pub code TPPL-M2-XII April 2012	Target Publication, Mumbai	2012-2013

12.	Dr. S. S. Bellale	Mathematics	A preceding book of Conference **"Recent Advances in Applied Mathematics"** (Maitri Pub Latur ISBN-978-81-920783-0-2, FEB2012)	Target Publication, Mumbai	2012-2013
13.	Dr. S. S. Bellale	Mathematics	A hand book "**Memory Hints"** Formula Book of Mathematics (published by Balaghat Mathematical Sciences Society June 2007)	Target Publication, Mumbai	2007-2008
14.	Dr. S. S. Bellale	Mathematics	A text book of "**Objectives in Mathematics"**, (Target publication, Mumbai.Dec 2008	Target Publication, Mumbai	2008-2009

➢ Details are given below.

• **Publication Per Faculty:-**

Faculty	Number of Research Papers Published in Peer reviewed Journals	No.of Books	Citation Index	Impact Factor	h-Index
Dr. J.S. Dargad	06	00	30	1.3	03
Dr. S.B. Katare	04	01	NA	NA	NA
Mrs. S.A. Mirikar	03	00	NA	0.48	NA
Prof. K.N. Rathod	02	02	NA	NA	NA
Prof. Y.P. Sarnikar	02	00	NA	0.33	NA
Dr. N.S. Korde	03	00	NA	1.00	NA
Dr. R.V. Kirtane	01	00	NA	NA	NA
Dr. C.S. Swami	04	00	NA	NA	NA
Prof. R.S. Shinde	02	00	NA	NA	NA
Dr. M.A. Bembade	08	00	NA	NA	NA
Prof. A.M. Chougule	03	00	NA	NA	NA
Dr. V.A. Chaudhari	03	00	08	1.135	02
Dr. S.S. Bellale	12	10	24	2.6	03
Dr. V.D. Mote	25	00	45	4.02	03
Prof. G.H. Bane	13	00	NA	2.06	NA
Prof. M.M. Pandit	01	00	NA	NA	NA
Dr. A.V. Patil	05	00	NA	1.7	NA
Dr. R.V. Solunke	03	00	NA	NA	NA
Prof. S.K. Alane	01	01	NA	NA	NA
Prof. A.G. Siddiqui	03	00	NA	NA	NA

a) List of research Title, Author ISSN & ISBN number, Year Paper Publications in Journals.

b)   List of books :- Title, Author, ISBN, ISSN number.
c)   List of Proceeding.
d)   List of Abstract books published in national seminars / Conferences.
e)   Unmesh.

3.4.4   Provide details (if any) of:

- Research awards received by the faculty:-
➢ Dr. J.S. Dargad achieved best paper presentation Award in National conference on Physics of Semiconductor Devices & Smart Materials (NC-PS DSM-07) organized by Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai.

- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

  #### Dr. J.S. Dargad
➢ Invited for present paper in the international conference organized by world academy of Science at Zurich (Switzerland) both acted as chair person for scientific sessions.

  #### Dr. C.S. Swami
➢ Life Member of the Indian Phytopathological Society,   New Delhi.

  #### Dr. S. S. Bellale
➢ Member of the Indian Mathematical Society.
➢ Member of Marathwada Mathematical Society.
➢ President of Balaghat Mathematical Sciences Development Society
➢ Secretory of Godawari Mathematical Society,
➢ Member of Indian Science Congress.
➢ Invited for present paper in the international conference organized by world academy of Science at Zurich (Switzerland) both acted as chair person for scientific sessions.

- Incentives given to faculty for receiving state, national and international recognitions for research contributions.:- **NIL**

3.5   Consultancy:

3.5.1   Give details of the systems and strategies for establishing institute-industry interface?

➢ College makes all possible efforts to increase consultancies with different industries and local area based consultancies.
➢ College arranges field visits, industrial tours and educational tours through which college tries to establish college -industry interface.

3.5.2   What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

➢   The faculty can offer consultancy, it is on voluntary basis. There is no established stated policy of the institution to promote consultancy.

3.5.3   How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

➢   The college encourages the faculty and students by sanctioning duty leave and T.A. /D.A. to participate in various consultancy services.
➢   He may use all infrastructural facilities for its research and consultancy services.

3.5.4   List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

As our faculty provides consultancy on voluntary basis as per the problems observed in local areas such as:

1.   Oil industry related analysis.
2.   Regarding Hardness of water of Bore wells.
3.   Detection of Blood groups
4.   T.D.S. of water.
5.   Drinking water analysis for potability.
6.   Well water analysis of the farmers to export the agricultural goods.
7.   Calculation of enzyme units for enzyme industry.

3.5.5   What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

➢   As these Consultancies on voluntary basis, these services are provided on the basis of social help, all support is given by the institute.

3.6   Extension Activities and Institutional Social Responsibility (ISR)

3.6.1   How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

➢   The college encourages the neighborhood community network through number of activities.
➢   To fulfill and nourish these qualities among students Blood donation Camp is

organized twice an year by N.S.S. and N.C.C. sometimes independently and sometimes jointly.

➢ Detection of Blood group activity.
➢ Veterinary checkup through NSS in Special Camp.
➢ Measurement of air pollutants like SO_x, CO_x, NO_x in Latur Town.
➢ NCC and NSS students participate in Polio eradication programme organized by state Govt.
➢ NCC Cadets regularly participate in the police bandobast activity to control situation in 'Ganpati Visarjan event' yearly.
➢ Inter University sports events are organized to meet the college-college neighborhood.
➢ On occasion of Golden jubilee Celebration of institute, the organization of "Nirbhaya Rally" in respect to women empowerment.
➢ College provides a joggers park to Citizens of Latur city to maintain health in this way. The college is activity engaged in diff. service orientation.
➢ The college has indoor & outdoor facility, through which the students are engaged in diff. Sport activities which inculcates the values of brotherhood and good citizenship of Nation.

3.6.2   What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

➢ To promote citizenship roles, the N.S.S. , N.C.C. and Sports department play active roles by organizing various events such as :

1) Organization of Disaster Management Training Programme with demonstration.
2) Organization of seminars / lectures on socially important issues in the country and abroad. for example AIDS awareness, Malnutrition, women empowerment and Global Warming.

3.6.3   How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

➢ Stakeholders are the main pillars of the college.
➢ Feedback from the stakeholder is always considered.
➢ They are formally and informally invited to observe the different activities and the overall performance of the college.
➢ During annual social gathering, on National days (15th Aug, 26th Jan, 17th Sep, 1st May) and IQAC meetings they share their views.
➢ Suggestions are welcome from them to improve the quality and performance.
➢ The college has established P.R.O. Cell (Parent Relation Office) to communicate and transmit the overall activities of the college.
➢ The P.R.O. is the strong medium to access suggestions, feedbacks and lacuna if any from the stakeholders.
➢ The students may submit their suggestions/ grievances through suggestion boxes.

➢   This is adding in the performance and progress of the college.

3.6.4   How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

➢   Institution organizes study tours and extension lectures by faculty members for other colleges.
➢   The college has various associations like Science Association, Yuvati Kalyan Mandal, Literary and Cultural association, N.S.S. and N.C.C.
➢   Students are actively involved in different outreach programmes.
➢   N.S.S. Camps are organized in rural areas to develop different values like brotherhood, equality and National integration.
➢   N.C.C. Camps are also organized by the Batalian. Cadets regularly participate in it.
➢   College allocates sufficient budget for these activities.

During last four years, the budget spent by the college under the following heads are:

Year	NSS	Sports	Other Activities.
2008-09	Rs.41195/-	Rs.16351/-	Rs.38,260/-
2009-10	Rs.41376/-	Rs.28031/-	Rs.43,410/-
2010-11	Rs.41525/-	Rs.28,536/-	Rs.51,138/-
2011-12	Rs.67500/-	Rs.28,623/-	Rs.63,888/-
2012-13	Rs.67500/-	Rs.45,667/-	Rs.26,560/-

3.6.5   How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

➢   College is very keen about students and faculty in promotion of all round development.
➢   For this purpose, various programmes, events and competitions are regularly organized in the college.
➢   These activities are conducted through N.S.S., N.C.C. and different associations.
➢   Awards and prizes are offered to the outstanding performances through these activities.
➢   The faculty achieves some advantage in their academic promotions and (CAS).
➢   Students are benefited by offering grace of 05 marks at final year after the participation in N.S.S. and N.C.C. with blood donation Camp.

3.6.6   Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

➢ Remedial coaching is given to under privileged students.
➢ 10% seat are reserved in hostel for economically poor and under privileged students.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

➢ The extension activities play an important role in overall development of students.
➢ Through INSPIRE programme, the students are interacting with the eminent scientists from highest rated institutions like I.I.T., N.C.L., I.I.C.T. and I.I.S.E.R., I.I.Sc. Bangalore, TIFR, DRDO, NGRI, Plasma Research Center, Ahamadabad and National Physical Labs.
➢ These scientists make interaction through guest lectures with students.
➢ This adds and inspires the students to initiate the interest about basic research.
➢ This extension activity inculcates the making of good teachers, and tomorrows scientists from the society.
➢ College organized **seven** 'INSPIRE' camp programmes since 2011 and as a result of this **Nine** students could get 'INSPIRE' scholarship worth Rs.80,000/- per year per student.

● **NET/SET Cell:**
➢ This extension activity is mainly centred for PG students.
➢ The motto is to prepare and promote the research attitude.
➢ Through NET/ SET Cell, 42 students passed in CSIR-NET/ SET examination from the college.
➢ The impact of this activity is seen in the empowerment of students and in their self confidence.
● The N.S.S., N.C.C. and Sports activities inculcate the values of brotherhood, national integrity development of leadership and spirit of team work among the students.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

➢ The college maintains close links with the local community and alumni.
➢ The local community in collaboration with alumni and other associations are actively engaged in different activities, through N.S.S., N.C.C. and Sports activity.
➢ The college organizes awareness programmes like Superstition Eradication, Disaster Management, **'Nirbhaya Rally'** in support of women empowerment and rights.

➢ The college not only creates the health awareness in the society but aslo provided a jogging track for citizens of Latur.

➢ College also provides well furnished and unique auditorium for all social and community supported programmes.

➢ College celebrated Golden Jubilee in 2013. On this occasion, a Marathon Rally was organized in the honour of women empowerment. The management members, faculty, non-teaching staff, students, alumni, girls and the citizens throughout the state participated in the rally.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

➢ The College is determined in making constructive relationship with the other local institutions or with the state Government.

➢ In collaboration with Maharashtra Pollution Control Board (M.P.C.B.), the College has established 'Air Monitoring Systems'.

➢ This centre monitors air sample from different Stations in the city and forwards the data to the state Government.

➢ College is closely associated with All India Association of Physics Teachers (AIAPT) through which a 21 days 'Motivational Bridge Course between Mathematics and Physics' was organized between Physics and Mathematics Teachers.

➢ AIPT College also organized a 3 days workshop for Physics teachers on 'Innovative Physics Teaching' in Collaboration with AIPT.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- **Awards:**
  The list of awards received by the college are as follows:
  The institute got different awards of national, State level, local level. Some of the awards are:

➢ "Dr. Babasaheb Ambedkar Dalit Mitra Puraskar"- by State Government of Maharashtra.

➢ "Rashtriya Ratna Award" – by State Government of Karnataka.

➢ "Pragat Maharashtra Fellowship Sanman"-by State Government of Maharashtra.

- **Social Contribution:**

➢ College offers jogging track and auditorium for social concerned programmes to the community.

➢ College also makes available its playground for the organization of educational, social and scientific exhibitions.

➢ By these activities, college shares its contribution to social development.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

➢ The college collaborates at local and state level with thirteen institutions.

➢ The faculties are involved in the collaborations for the utilization of laboratories and enrichment of research by exchanging knowledge.

➢ The research guides from other institutes shares and utilizes our research centre viz.-Microbiology.

➢ College offers collaboration with other institutes from the district & out of district for the utilization of instrumental facilities. Ex:- Dept. of Chemistry and Microbiology.

➢ College also collaborates with local institutes for the enhancement of research activities.

3.7.2 Provide details on the MOUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Department	Collaborative Institute
Chemistry	1. Tina Oil Ltd.,Latur. 2. M.O.J.J. Pune.
Zoology & Fishery Science	1. BHOOMI –Pune. (NGO)
Microbiology	1. Govt. Medical College, Latur. 2. M.I.M.S.R. Medical College,Latur 3. Maharashtra biofertilizers Ltd.,Latur.
Mathematics	1. Aligarh Muslim University, Aligarh 2. Karnatak University, Dharwad. 3. School of Mathematics, SRTMU Nanded. 4. Mathematics Research Centre, Ahmedpur, Latur. 5. Mathematics Research Centre, Pt. Ravishankar University, Chattisgad. 6. Mathematics Research Centre, Science College Nanded. 7. Mathematics Research Centre, Dr.BAMU Aurangabad.
Physics	1. Centre for Materials for Electronics Technology(C-MET) HCL (PO), Hydrabad. 2. Tata Institute of Fundamental Research, Mumbai. 3. Advanced Materials Research Laboratory, Dep. Of Physics, Dr. BAMU, Aurangabad.

3.7.3   Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

➢   The college organized a seminar on 'Atomic Energy'. on the eve of Birth Centenary of Dr. Homibhaba, in collaboration with BARC Mumbai.
➢   The college received M.L.A. Funds for purchasing Computers.

3.7.4   Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

➢   Following are the eminent scientists / participants who contributed in the events organized by college during last 4 years.

Sr. No.	Name of eminent Scients	Designation	National/ International Seminar / Camp	Date
1.	Dr. C.B. Pawar	Principal and Eminent Scientist Nagpur	National	05,06 Feb-2011
2.	Dr. U.D. Deshpande	Asso.Prof. RGTIT-BT, Pune	National	05,06 Feb-2011
3.	Dr. R.N. Sharma	Director ZSI, Mumbai	National	05,06 Feb-2011
4.	Dr. A.L. Mahabal	Ex. Director ZSI, Mumbai	National	05,06 Feb-2011
5.	Dr. Dilip Yardii	Ornithologist, Aurangabad	National	05,06 Feb-2011
6.	Dr. Dileep Punde	Snake Venom Specialist	National	05,06 Feb-2011
7.	Dr. Vilas Kane	Free Lance Naturalist	National	05,06 Feb-2011
8.	Dr. U.V. Sathe	Entomologist, Kolhapur Uni. Kolhapur.	National	05,06 Feb-2011
9.	Dr. Ajit Thete	Joint Director, Technical Dept. Aurangabad.	National	19 Feb-2011
10.	Dr. S.C. Meharotra	Prof.Dept. Of Comp.Science. Dr. BAMU. Aurangabad	National	19 Feb-2011
11.	Dr. Prakash Khanale	Vice-Principal D.S.M. College, Parbhani.	National	19 Feb-2011
12.	Dr. M.K. Dongare	Sr.Scientist N.C.L.Pune.	National	04,05 Nov-2011

13.	Dr. S.P. Chavan	Sr.Scientist N.C.L.Pune.	National	04,05 Nov-2011
14.	Dr. U.R. Kalkote	Sr.Scientist N.C.L.Pune.	National	04,05 Nov-2011
15.	Dr. S.B. Umbarkar	Sr.Scientist N.C.L.Pune.	National	04,05 Nov-2011
16.	Dr. B.B. Idage	Sr.Scientist N.C.L.Pune.	National	04,05 Nov-2011
17.	Dr. N.T. Patil	Sr. Scientist IICT Hyderabad	National	04,05 Nov-2011
18.	Dr. R.N. Sirsat	Asso.Professor Goa University, Panaji (Goa)	National	04,05 Nov-2011
19.	Dr. S.B. Nimse	Vice-Chancellor, SRTMU, Nanded.	National	24,25 Feb-2012
20.	Dr. A.K. Pani	Prof. I.I.T. Mumbai	National	24,25 Feb-2012
21.	Dr. S.S. Bhenhalli	Prof. Karnatak Uni. Dharwad.	National	24,25 Feb-2012
22.	Dr. J.N. Salunke	Prof. S.R.M.U. Nanded.	National	24,25 Feb-2012
23.	Dr. D.B. Dhaigude	Prof. B.A.M.U. Aurangabad	National	24,25 Feb-2012
24.	Dr. B.C. Dhage	Asso.Prof. M.G.M. Ahamdhpur	National	24,25 Feb-2012

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated.

a) **Curriculum development/enrichment :-**   Yes
b) **Internship/ On-the-job training :-**   Nil
c) **Summer placement   :-**   Nil
d) **Faculty exchange and professional development :-**   Yes
e) **Research   :-**   Yes
f) **Consultancy   :-**   Yes (on voluntary basis)
g) **Extension   :-**   Yes
h) **Publication   :-**   103 Papers
i) **Student Placement   :-**   Yes
j) **Twinning programmes   :-**   Nil
k) **Introduction of new courses :-**   Yes
l) **Student exchange   :-**   Yes (for M.Sc.Students)
m) **Any other   :-**   Nil

3.7.6   Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

➢   Through IQAC and Research Advisory Committee, the college is planning to establish fruitful linkages in between various communities like industry and institutes.

➢   College has Placement Cell and through it, the students are exposed to the opportunities.

➢   The collaborations are necessary to enhance the research at faculty level.

➢   College tries to get recognisation of more research centers to carry out research.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

➢   Some faculty members have been working as resource persons in National and regional seminars.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1   Physical Facilities

4.1.1   What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

➢   The Institution is well aware regarding the adequate infrastructural facilities to facilitate effective teaching and learning. It has long term planning for expansion of facilities to meet future development.

➢   The college is located in the huge campus of 22 acres of Dayanand Education Society. The separate building for Science College is constructed on the said campus. The Management takes keen interest and efforts to create and enhance the physical facilities to provide quality education. In every academic year, the infrastructural requirements are presented by the Principal in Local Management Committee Meeting. The budget requirements are analyzed and sanctioned by the Management. The budget provision is also made available for the renovation of the infrastructure. The yearly expenditure allocated for the departments is as follows-

Sr. No.	Department	Amount
1.	Department of Chemistry	2,85,000/-
2.	Department of Microbiology and Biotechnology	1,60,000/-
3.	Department of Physics, Electronics and Computer Science	1,50,000/-
4.	Department of Botany	20,000/-
5.	Department of Zoology and Fishery	20,000/-
6.	Department of Mathematics	20,000/-
7.	Department of Languages, Sports, NSS and NCC	As per the requirement

➢   The Management Purchase Committee decides appropriate policy to utilize the grants received from various funding agencies – UGC, DST-FIST, Maharashtra Pollution Control Board. UGC funded buildings (For eg. Women Hostel) are also completed within stipulated time.

➢   The feedback of the stakeholders, regarding their needs is also taken into consideration while deciding the policy. As per their suggestions and needs, the infrastructure is created and enhanced. For eg. Dayanand Vidyarthi Suvidha Kendra is the outcome of feedback mechanism.

4.1.2   Detail the facilities available for:

a)   Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

➢   Sufficient and well furnished classrooms, Spacious Laboratories, Digital Classrooms, Digital Laboratories, Seminar Hall, Conference Hall, Central Library, Botanical Garden, Zoology Museum, three Hostels, Health Center, Canteen, Management Office, Auditorium with 1200 seating capacity, Credit Co-operative Society Office, Stadium, Walking Track, CCTV, a pleasant campus to cite a few, fulfill our growth plans.

b)   Extra – curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, yoga, health and hygiene etc.

➢   The college is well equipped with physical infrastructure having Principal's Office, Vice-Principal's cabin, IQAC Cell, PRO Office, Administrative Office and Ladies Staff Room.

There are eleven departments in the college. They are as follows:

Sr. No.	Department	Location
1.	Chemistry	Ground Floor
2.	Industrial Chemistry	Ground Floor
3.	Physics	First Floor
4.	Electronics	First Floor
5.	Computer Science	First Floor
6.	Zoology and Fishery Science	First Floor
7.	Languages	Second Floor
8.	Sports	Second Floor
9.	Microbiology and Biotechnology	Third Floor
10	Botany	Third Floor
11.	Mathematics	Third Floor

➢   All these departments are well-furnished, having cupboards for all the teachers, adequate number of chairs, tables, fans, light arrangements, computers, internet facility, and notice board. Each department has its own departmental library. Staff rooms for the non-teaching staff are provided on each floor.

a)   Curricular and Co-curricular activities:

➢   The college has spacious and well ventilated classrooms. They have adequate natural light. There are 20 classrooms, 8 for PG and B.Sc. Computer Science and 4 for B.Sc. (General) classes. These classrooms are in two different wings. The classrooms are having wooden and metal benches, eco-white boards, glass boards, fans and light arrangements. A separate classroom is provided for NET-SET Cell on the ground floor. Five digital classrooms are established for

effective teaching - learning process. CCTV cameras are installed at the entrance porch, in all the classrooms, laboratories, office, varanda and library campus to monitor the functioning of academic activities.

- **Details of Classrooms:**

Sr. No.	Particular	Hall No.	Dimensions	Sq. Ft.
1.	Lecture Hall (PG)	1	30 x15	450
2.	Lecture Hall (PG)	2	30 x 15	450
3.	Lecture Hall (PG)	3	30 x 15	450
4.	Lecture Hall (PG)	4	30 x 15	450
5.	Lecture Hall (PG)	5	30 x 40	1200
6.	B.Sc. Comp. Sci. I Lecture Hall	6	30 x 30	900
7.	B.Sc. Comp. Sci. II Lecture Hall	7	30 x 20	600
8.	B.Sc. Comp. Sci. III Lecture Hall	8	30 x 20	600

Sr. No.	Particular	Hall No.	Dimensions	Sq. Ft.
1.	B.Sc. General Lecture Hall (UG)	45	30 x 50	1500
2.	B.Sc. General Lecture Hall (UG)	46	30 x 50	1500
3.	B.Sc. General Lecture Hall (UG)	47	30 x 50	1500
4.	B.Sc. General Lecture Hall (UG)	48	30 x 50	1500

- **NET-SET Cell:**
➢ NET-SET Cell is established to guide PG students (Chemistry, Microbiology and Biotechnology) to qualify NET/SET examinations. The Cell has been functioning in a very successful manner. 41 students qualified the CSIR NET/SET examination after first cycle of NAAC Accreditation.

Sr. No.	Particular	Dimensions	Sq. Ft.
1.	NET - SET Cell (Ground Floor)	30 x 15	450

b) Technology based learning spaces:

➢ There are five digital classrooms.

Sr. No.	Particular	Dimensions	Sq. Ft.
1.	Mathematics and Languages (Ground Floor)	30 x 40	1200
2.	Chemistry (Ground Floor)	30 x 30	900
3.	Physics, Computer, Electronics (1st Floor)	30 x 15	450
4.	Digital Class / Conference Hall (2nd Floor)	30 x 60	1800
5.	Microbiology / Biotechnology (3rd Floor)	30 x 15	450

➢ The college has set up Central Computer Facility with 30 computers with broad band connection for the staff and students. This facility is under DST-FIST scheme.

Sr. No.	Particular First Floor – Central Library	Dimension	Sq. Ft.
1.	Central Computer Facility	30 x 40	1200

➢ Computer and internet facility is available in all the departments.
➢ The College has fully equipped Computer Science Laboratory with 60 highly upgraded computers with full UPS backup.
➢ Audiovisual aids like LCD projector (12) with screen, OHP, camera, full UPS back up, printers, scanners and digital camera are available in the department of Physics, Electronics, Computer Science, Microbiology, Biotechnology, Chemistry, Botany and Zoology.
➢ MATLAB is a technologically perfect space for imparting knowledge.
➢ The college Central Library has internet, SOUL 2.0 software, audio-visual aids (educational CDs), and full UPS backup.
➢ INFLIBINET N-list e-resource facility and Network Resource Center in Central Library.
➢ Central computer lab facility in Library with 30 computer broad band connection.

c)   Seminar Hall:
➢ There is one well equipped Seminar Hall and one Conference Hall. They are used for organizing conferences, seminars, workshops and other different programmes of the college.

Sr. No.	Particulars	Dimension	Sq. Ft.
1.	Conference Hall (Second Floor)	30 x 60	1800
2.	Seminar Hall (Central Library - First Floor)	30 x 60	1800

● **Tutorial Spaces:**
➢ The tutorials are conducted in respective classrooms and labs.

● **Laboratories:**
➢ The college has well-equipped and spacious laboratories with facilities like electricity, inverter connections with 20kv and 15kv ,water connections, gas connections, fire extinguisher and all the types of lab apparatus and tools. Post graduate laboratories are separate and well-equipped with sophisticated instruments and recognized as Research Laboratories by the University. The Laboratory complex is having well-equipped research laboratory in Chemistry and Microbiology. The College is enriched with equipped Computer Laboratories with LAN and broadband internet facility on each terminal. There are separate laboratories for UG and PG classes.

Sr. No.	Particulars Ground Floor	Dimension	Sq. Ft.
1.	Physical Chemistry Lab (UG)	30 x12	360
2.	Organic Chemistry Lab (UG)	30 x15	450
3.	Inorganic Chemistry Lab (UG)	30 x15	450
4.	Industrial Chemistry Lab (UG)	30 x15	450
5.	Physical Chemistry Lab (PG)	30 x15	450
6.	Organic Chemistry Lab (PG)	30 x15	450
7.	Research Lab	30 x 10	300

Sr. No.	Particulars First Floor	Dimension	Sq. Ft.
1.	Physics Lab (UG)	30 x 40	1200
2.	Dark Room (Physics)	30 x 10	300
3.	B.G. Room	30 x 10	300
4.	Electronics Lab (UG)	30 x 15	450
5.	Microprocessor and Microcontroller Lab	30 x 10	300
6.	Computer Science Lab (UG)	30 x 15	450
7.	Computer Science Lab (PG)	30 x 15	450
8.	Research Lab – Thin Film and Material Science, Solar Cell Studies	30 x 15	450
9.	Zoology Lab (UG)	30 x 30	900
10.	Fishery Lab (UG)	30 x 12	360
11.	Fishery Specimen	15 x 20	300

Sr. No.	Particulars Third Floor	Dimension	Sq. Ft.
1.	Microbiology Lab UG	30 x 20	600
2.	Microbiology Lab PG-I	30 x 20	600
3.	Microbiology Lab PG-II	30 x 20	600
4.	Biotechnology Lab PG	30 x 30	900
5.	Bio-informatics	30 x 20	600
6.	Tissue Culture	30 x 15	450
7.	Instrumentation Room	30 x 15	450
8.	PG Research Lab	30 x 15	450
9.	Botany Lab UG	30 x 20	600
10.	Food Processing Lab	30 x 20	600
11.	MATLAB	30 x 15	450

- **Botanical Garden:**
- ➤ Department of Botany has cultivated a Botanical Garden. Various gymnosperm plants, ornamental plants and medicinally important plants are grown in the garden. There are also some of the plants which are included in the curriculum.

Sr. No.	Particulars	Dimension	Sq. Ft.
1.	Botanical Garden	150 x 100	15000

- **Zoology Museum:**
- ➤ Zoology Museum with various rare animal species is preserved and maintained on the first floor.

- **Specialized facilities and equipment for teaching, learning and research etc.**
- ➤ Equipment available in labs include Rotary evaporator, Sonicator S.S. Body, Double Distillation Glass Apparatus, U.V. Spectrophotometer, Digital Flame Photometer, Electrophoresis, Spectophotpmeter, U.V. Cabinet, Digtal Melting Point Apparatus, Electronic Balance, Centrifuge machine, Spray Pyrolysis Unit, L-C-R Meter (Digital), UV- Spectrophotometer, Spin Coating machine for thin films, Chemical Bath Deposition Unit, Distilled Water Unit, Hand Held LCR meter, G.M. Counter,CRO-1MHz, CRO-2MHz, Spectrometer, Shaking Incubator, Microcentrifuge, Rotary Shaker, Flame Photometer, Deep Freezer, Digital electrophoresis, Spectrophotometer, Revolutionary high speed R- 24 Centrifuge research, BOD incubator, Homogenizer, scanning spectrophotomer, high speed cooling centrifuge, DNA Finger Printing apparatus, Incubator, Hot air oven, Autoclave, Tilak air sampler, Digital Spectro Photo meter,Tray drying oven, Deep freezer, Pulper machine, Laminar air flow, Trinocular Research microscope with Digital camera, Compound Microscope, Bionucular Microscope, Pathalogical Microscope, Microtome, Refrigerators.

- **Astronomical Telescope:**
- ➤ The college has astronomical telescope with high resolution. We used to organize 'sky watching' for faculty, students and local people.

- **Research Facilities:**
- ➤ Research facility in the Department of Microbiology.
- ➤ Well equipped laboratories.
- ➤ Specific software tool for research – MATLAB.
- ➤ Computers with internet facility.

- **b)   Extra Curricular Activities:**
- **Sports:**
- ➤ The Management has always taken interest in arranging all facilities for sports, indoor and outdoor games.
- ➤ The college has adequate sports material and infrastructure to enhance students' sports skills.

➢ The college has huge playground for outdoor games. It has following facilities:

- **Outdoor Facilities:**
  1. Cricket ground of size :- 130m x 130m
  2. Athletics facilities
  3. Lawn tennis court.
  4. Kho-Kho ground
  5. Volley ball ground
  6. Basket ball ground
  7. One multipurpose ground of size – 100m x 100m

- **In door games:**
➢ A separate hall is provided for indoor games.

- **Indoor Facilities:**
  1. Table Tennis Hall
  2. Chess Facility
  3. Carom Facility

- **Gymnasium:**
➢ The college has a well-equipped gymnasium on the fourth floor with the equipement such as weight lifting set 187kg Nelco, Parallel Bar, Lat Pull Down, Chest Press, Abdomen Crunch, Leg Extension and Leg Curl, Pec Dec, Shoulder Press, Bench Press Bench, Abductor/ Adductor, Smith Machine, Cross Over, Hack and Squat Press etc. It is located on the fourth floor of the college building. The gymnasium hall remains open in the morning and evening time. The entry to gymnasium hall is free of cost.

Sr. No.	Particulars	Dimension	Sq. Ft.
1.	Gymnasium	30 x 80	2400

- **Auditorium:**
➢ The college has constructed a magnificent auditorium to provide excellent facilities for extra-curricular activities.
➢ The Auditorium is unique in this region. It has rich infrastructure, a pleasant atmosphere and perfect audio-visual system. It provides following state of the art facilities
➢ It has occupancy of 1200 people.
➢ There is a well-furnished A/c guest room with attached wash room.
➢ There are two dressing rooms with attached wash rooms and one room for technical arrangement.
➢ The Auditorium is well-equipped with sound system (JBL Sound System (16) & QSC company (05) amplifiers 2450Vt.), air-conditioner. permanent stage, chairs, fans, light arrangements, curtains and generator backup facility.

- ➢ Availability of Podium Mikes (02), Collar Mikes (02), Cordless (06), Hanging Mikes (06), Foot Mike (06), SN57 Mikes (06), SN58 Mikes (06) and 06 Mikes for the musical instruments.
- ➢ Balcony facility.
- ➢ Three entrance doors – for the guest, audience and ladies respectively.
- ➢ Office room and Store room facility.

- **NSS:**
- ➢ We have an NSS office room, store room and all necessary equipments needed for camps.

- **NCC:**
- ➢ NCC office is located at the ground floor. Store room facility is extended to the office.

- **Cultural Activities, Public Speaking:**
- ➢ Cultural activities are conducted on the open dais of the college at the time of Annual Social Gathering.
- ➢ The auditorium is also made available for organising cultural events and speeches on certain occasions.
- ➢ There is a Drama Hall on the fourth floor which is used by the students for the practice of cultural activities like Youth Festival and Gathering.
- ➢ We have the necessary musical instruments for conducting various cultural activities.

- **Facility for the development of Communication Skills:**
- ➢ The college offers 'Certificate Course in Spoken English'. The classes are conducted in Language Lab of our sister college Dayanand College of Arts.

- **Other Facilities:**
- **University CAP Center**
- ➢ The University has sanctioned D CAP Center to the college for the assessment of theory papers. The center is located at the ground floor, having the size 30x30 Sq.Ft.

- **Ladies Room:**
- ➢ Ladies Room with attached toilet blocks is situated at ground floor. It is well furnished with chairs, fans, mirror, light arrangement, water-cooler facility, notice board and first aid box. Near about 125 girls can sit at a time in it.

- **Toilet Blocks:**
- ➢ Separate toilet blocks for girls, boys, ladies staff and gents staff on each floor.

- **Examination Section:**
- ➢ The college has a separate and well-furnished **Examination Section** on second floor.

- **Store Room Facility:**
  - ➢ Record Room :- Ground Floor (College building)
  - ➢ Chemistry (Store Room) :- Ground Floor (College building)
  - ➢ Physics and Electronics(Store Room):-First Floor (College building)
  - ➢ Microbiology (Store Room):- Third Floor (College building)
  - ➢ NCC (Store Room)   :- Gate No.1 of the campus
  - ➢ NSS (Store Room)   :- Gate No.1 of the campus
  - ➢ Sports (Store Room)   :- Gate No.1 of the campus

- **Credit Co-operative Society Office:**
  - ➢ The college has a well furnished Credit Co-operative Society Office to cater the needs of the employees.

- **Dayanand Vidyarthi Suvidha Kendra:**
  - ➢ By starting 'Dayanand Vidyarthi Suvidha Kendra, stationery is made available at minimum charges for the students. As it is in the campus, it is convenient for the students.

- **Management Office:**
  - ➢ For the effective administration, the Institution has constructed a separate building for Management Office in the campus.
  - ➢ It has two A/C cabins on the first floor for the Honorable President and Secretary.
  - ➢ A spacious and ventilated A/c Meeting Hall having 30 revolving chairs, tables and 22 conference mikes.
  - ➢ Office room and store room at ground floor and service room on the first floor.
  - ➢ Monitoring of the whole college through CCTV camera that is installed in the Management Office.
  - ➢ Parking facility for the Management Staff

- **Parking:**
  - ➢ Two separate parking facilities are provided-one is for college staff and girl students and other is for boys.

- **Walking Track:**
  - ➢ In the campus there is 1 km long walking track.
  - ➢ This facility is open for the stakeholders and citizens of Latur as per the following timing:-
  - ➢ Morning – 04am to 07am.
  - ➢ Evening – 06pm to 10pm.

4.1.3   How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).

➢ The Institution always plans to ensure that its infrastructural development keeps pace with its academic growth and that the available infrastructure is optimally used. The IQAC places before the Principal's council suggestions regarding the required augmentation for infrastructural development. Some specific examples are Digital class rooms for ICT enabled teaching, Digital labs, Seminar halls.

➢ In the Local Management Committee meeting, the Principal presents the proposal for the new courses applied for, classrooms and others facilities needed for each course and the proposals for augmentation of infrastructure. After getting the approval from the Management new additions are made.

➢ During last four years, the college has introduced many new courses such as B.Sc. Computer Science, M.Sc. Computer Science, M.Sc. Biotechnology, Diploma in Bioinformatics and 06 COC Courses. To meet the needs of this academic growth, the institution has developed following infrastructure.

➢ Newly constructed classrooms
➢ Newly constructed Research labs.
➢ A Spacious Reading Room
➢ Women Hostel
➢ Thus the Institution has augmented the infrastructure to keep pace with academic growth. The college has prepared the master plan to utilize the available land (Master Plan of the Institution is enclosed herewith)

- **Planning for ensuring that the available infrastructure is optimally utilized:**

➢ The college schedule is 09.00am to 05.30 pm. The timetable of theory and practical is drawn in such a way that the classrooms and laboratories are made available to all the classes for effective teaching learning process. COC courses are conducted at 05pm. on wards. The co-curricular and extra-curricular activities are conducted as per the schedule in the Drama Hall. Health check up camps are organized in Women Hostel and Boys Hostel.

➢ The schedule of Library and Reading Room is 10 am. to 05.30 pm. The students fully take the advantage of Night Reading Room which is kept open from 05 pm. to 11pm.

➢ Even on holidays, the college and campus do not remain vacant. The stakeholders avail the physical infrastructure on holidays for the preparation of extra-curricular and sports activities. Drama hall is provided for conducting such activities.

➢ The infrastructure is made available for conducting various types of examinations like Banking, IBPS, B.Ed., MKCL and other Competitive Exams during off-sessions.

➢ We partake in social activities by extending our auditorium facility whenever it is free for conducting different kinds of social programmes.

➢ Walking track facility is also made available for the citizens of Latur.

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

- The percentage of physically disabled students in the college is very less. These students are cared specially.
- Library and Reading Room are housed at ground floor.
- At the time of examination the seating arrangements for such students are made at the ground floor so that they could easily move to the examination hall.
- Lift facility is under construction.

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**
- **Available residential facility for the staff and occupancy**
- **Constant supply of safe drinking water**
- **Security**

➢ Hostel facility is provided with accommodation for 530 students in three hostel buildings.

- **Women Hostel - 01**
- **Boys Hostel   - 02**

     All the three hostels are managed by Parent Institution. The hostels are constructed adjoining the college building.

- **Women Hostel:**
➢ Women Hostel has **133** rooms, having the occupancy of **409** girls. Out of this 250 hostel dwellers are from Science faculty.
➢ It has Parents waiting room, Doctors room, spacious Entrance Hall and Store room.
➢ Kitchen room and Mess Hall with a seating capacity of **125.**
➢ Each student has her own allotted space, cot, study table, chair, cupboard, mirror, hangers and dustbin.
➢ It has the facilities like drinking water, bathrooms, toilet blocks in each wing, electricity, gas geyser, solar water heater, boiler and inverter.
➢ Biometric system for the attendance of the hostel dwellers and staff.
➢ For the effective management of the hostel, Advisory Committee and Anti-raging Committee have been formed. Hostel Advisory Committee conducts regular meetings.

➢ Suggestion Box is kept in the hostel. It is opened in the meetings and the committee-members resolve the problems.
➢ Coin box facility.
➢ Mike system for the announcement of important instructions.
➢ A sufficient number of servants are appointed in the hostel for day to day care.
➢ Rectors, supervisors and mess manager are always available to the students.
➢ CCTV cameras are installed in hostel.
➢ Availability of fire extinguisher.
➢ Garden at the entrance porch.
➢ Parking facility.

- **Boys Hostel:**

➢ Two Boys Hostels have total **42** rooms, having the occupancy of **120** boys.
➢ They have Parents waiting halls, Doctor room, spacious Entrance hall and Store room.
➢ Kitchen room and Mess hall with a seating capacity of **40.**
➢ Each student has his own allotted space, cot, study table, chair, cupboard, mirror, hangers and dustbin.
➢ Both the hostels provide the facilities like drinking water, bathrooms, toilet blocks in each wing, electricity, gas geyser, solar water heater, boiler and inverter.
➢ Biometric system for the attendance of the hostel dwellers and staff.
➢ Hostel Advisory Committee and Anti-ragging Committee have been formed for the effective management of the hostels. The Committees conduct regular meetings.
➢ Suggestion boxes are kept in both the hostels. These are opened in the meetings and the committee-members resolve the problems.
➢ Coin box facility.
➢ A sufficient number of servants are appointed in both the hostels for day to day care.
➢ Rectors, supervisors and mess manager are always available to the students.
➢ CCTV cameras are installed in both hostels.
➢ Parking facility in both the hostels.

Common Facilities provided in all the three hostels are as follows:

- **Recreational Facilities, Gymnasium, Yoga Center:**
➢ Availability of indoor games like Chess, Carrom, Table Tennis.
➢ Outdoor Games - Volleyball, Badminton, Cricket, Basket ball, Foot ball.
➢ Various programmes like festival celebrations, New Year celebration, Financial Literacy Workshop and different kinds of competitions are organized in the Entrance Hall.
➢ Walking track facility is availed by hostel dwellers.

- **Available residential facility for the staff and occupancy:**
➢ Two rooms attached with toilet block are provided for the Rectors.

- **Computer Facility Including Access to Internet in Hostel:**
  ➤ The hostels have computer facility with printer including access to internet.

- **Facilities for Medical Emergencies:**
  ➤ First aid Box and Ramp facilities.
  ➤ In medical emergency, the advice is taken from the appointed doctors of the hostels. Students are taken to the hospital close to the hostel.
  ➤ Dr. Chetan Sarda and Dr.Ishwar Rathod, the members of Management Body extend the ambulance service in emergency cases.
  ➤ We are proud to say that our alumni (doctors) extend their medical service in emergency.

- **Library facility in the hostels:**
  ➤ All the three hostels are adjacent to central library of the college. So library is easily accessible to the students.
  ➤ In Women hostel, there is Reading Room, having tables, chairs, fans and light arrangements.
  ➤ Reading hall facility in Boys hostels.
  ➤ There are adequate number of Marathi and English news papers and magazines.

- **Internet and Wi-Fi facility:**
  ➤ Internet facility is provided to the hostel – dwellers at minimum charges.

- **Recreational facility-common room with audio-visual equipments:**
  ➤ Television facility is provided to the hostel dwellers.

- **Constant Supply of Safe drinking Water:**
  ➤ The hostels have installed water purifiers along with water coolers at various places to ensure constant safe and pure drinking water.

- **Security:**
  ➤ Both the hostels have appointed day and night watchmen to provide security. In addition to this CCTV cameras are installed at different places. Fire extinguishers are installed in the hostels .

4.1.6   What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

➤ The college is well aware regarding the importance of health care. One time free complete Medical Cheek-up Camps for the students and staff are organized in Women Hostel and Boys hostel. Two doctors are appointed in both the hostels to pay regular visits as per the timing allotted to them. All the students and the staff are advised properly by the team of doctors regarding their sound health and peaceful mind.

- First aid boxes are kept in each department, laboratory, Office room, Ladies room and library.
- Off the campus, the free service of eminent alumni doctors is provided for the students.

4.1.7   Give details of the common facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

- **IQAC CELL:**
  - The IQAC Cell is located at the ground floor. It is adequately furnished office with computer and internet facility, scanner, printer, intercom and notice board etc. The regular meetings of the IQAC are conducted in the IQAC Cell.

- **Grievance Redressal Unit:**
  - Grievance Redressal Unit is housed at the ground floor. It works under the chairmanship of the Principal. Grievance boxes are kept at the entrance of Principal's office and Ladies Room. They are opened once in a month and the unit resolves the problems in the meetings.

- **Women Cell:**
  - Women cell is located at the ground floor. It is a well furnished cell established to resolve the problems of girl students and ladies staff.

- **Counseling and Career Guidance:**
  - The college has adequately furnished office for Counseling and Career Guidance with computing facilities, notice board and books on career examinations.

- **Placement Cell:**
  - The placement cell is located in Department of Chemistry and Department of Microbiology.

- **Health Centre:**
  - Health Centre facility is provided in Women Hostel and Boys Hostel for the students and staff. Doctors are appointed in both hostels. They pay their regular visits as per timing allotted to them and in emergency cases. Medical checkup camps are organized in Health Centre.
  - The visiting doctor for 'Girls Health Centre' is Dr. Sunita Bajaj having her schedule as follows:

Sr. No.	Days	Time
1.	Monday	04:00 pm. To 06:00 pm.
2.	Wednesday	12:00 pm. To 02:00 pm.

3.	Thursday	04:00 pm. To 06:00 pm.
4.	Saturday	12:00 pm. To 02:00 pm.

Dr. Avinash W. Patil visits regularly in 'Boys Health Centre' as per following schedule:

Sr. No.	Days	Time
1.	Monday	02:30 pm. To 03:30 pm.
2.	Wednesday	02:30 pm. To 03:30 pm.
3.	Friday	02:30 pm. To 03:30 pm.

- **Canteen:**
  There are three canteens in the college campus:-
  1. There is a common canteen in the premises of the college which provides food items at fair prices to the students. This canteen has two halls - one is for boys and other is for the staff and girl students.
  2. Canteen facility is provided to the ladies staff and girl students of the college in Women Hostel.
  3. For the gents' staff and boys, the canteen facility is made available in Boys Hostel.

- **Recreational Spaces for Staff and Students:**
  The college has developed following recreational spaces and facilities for the students and staff.
  ➢ Gymnasium Hall
  ➢ LCD TV facility
  ➢ Walking track

4.2   Library as a Learning Resource.

Library of the Science College is an independent unit. Library contains about 55,000 books with rich reference collection.

4.2.1   Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student / user friendly?

Yes. The effective functioning of the library is ensured by a Library Advisory Committee comprising the following members.

Dr. J.S. Dargad (Principal) – Chairperson
Prof. M.B. Deshmukh (Vice-Principal) – Vice - Chairperson
Prof. K.R.Bhise (Librarian) – Secretary
Dr. S.S.Bellale (IQAC Chairman)
All HODs – Members
Student Representative – 01

Ladies Representative - 01

The Committee renders its service for proper functioning of the library and to fulfill the needs of the students and faculty regarding the books and other reading material.

➢ The Committee monitors the allocation and utilization of the budget for different departments for purchase of books and journals.
➢ Recommends the purchase of new arrival of books.
➢ Subscribes for scientific magazines, periodicals and journals.
➢ Decides the policy for the purchase of essential furniture like books-shelves, cupboards, tables, chairs etc.
➢ Analyzes the feedbacks received from the stakeholders.
➢ Takes suggestions into consideration for improvement of the library.

4.2.2　Provide details of the following:
Total area of the library (in Sq. Mts.):

Sr. No.	Particulars	Dimensions	Sq. Ft.
1.	Library	35 x 75	2625 Sq.mt.
2.	Reading Room	30 x 90	2700 Sq.mt.

➢ In the library building, there is Librarian's Cabin, Reference Section, Book Issue Counter and Staff Reading Room.

• **Total seating capacity :- 170**
➢ Students Reading Room　　- 150
➢ Staff Reading Room　　　　- 20

➢ **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**
　• On working days　　　　:-　　10 am to 05:40 pm
　• On holidays　　　　　　:-　　closed
　• Before examination days　:-　　08am to 05:40pm
　• During examination days　:-　　08am to 05:40pm
　• During vacations　　　　:-　　10am to 05:40pm
　• Night Reading Room　　　:-　　06pm to 11pm

➢ **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

4.2.3　How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

➢ The Heads of the departments provide the list of required books as per the syllabi and number of copies of the texts and reference books. The librarian refers to book catalogue and contacts the suppliers of book agencies. As per the budgetary provision, the books and other reading material are purchased. The use of this purchased material is verified from the issuing register.

Library Holdings	2008-09		2009-10		2010-11		2011-12		2012-13	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books	572	146327	454	130609	373	171842	755	218631	510	116539
Reference Books	36	34155	14	18995	37	92885	36	114907	56	36675

Library Holdings	2008-09		2009-10		2010-11		2011-12		2012-13	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Journals/ Periodicals	22	15278	22	16770	25	28243	27	34350	30	34200
e-resources										
Any other (specify) News Papers	13	11589	14	12254	14	12306	14	12349	14	13324

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- **OPAC**
- **Electronic Resource Management package for e-journals**
- **Federated searching tools to search articles in multiple databases**
- **Library Website**
- **In-house/remote access to e-publications**
- **Library automation**
- **Total number of computers for public access**
- **Total numbers of printers for public access**
- **Internet band width/ speed   □ 2mbps □ 10 mbps □ 1 gb (GB)**
- **Institutional Repository**
- **Content management system for e-learning**
- **Participation in Resource sharing networks/consortia (like Inflibnet)**

- **OPAC:**
➢ OPAC is provided to the students and staff members to access the library collection.

- **Electronic Resource Management package for e-journals:**

➤　N-List of INFLIB-NET provides 4000 e-journals and 97000 e-books for students and researchers.

- **Federated searching tools to search articles in multiple databases :-** Nil

- **Library website**:
➤　Link of library portal is given to the college website

- **In-house/remote access to e-publications:** Nil

- **Library Automation:**
➤　Computerized management of library operation (SOUL 2.0 software).
➤　Computer based retrieval of information.
➤　Bar coded issue and return/ book reservation.

- **Total number of computers for public access**:- 04

- **Total Numbers of Printers for Public Access** :- 01

- **Internet Band Width / Speed　□ 2 mbps □ 10 mbps　□ 1 gb (GB)** :-10mbps

- **Institutional Repository:**

Sr. No.	Particulars	Quantity
1.	Withglass Cupboards	21
2.	Sagwan Cupboards	39
3.	Book shelves (steel racks)	36
4.	Periodical stand	01
5.	Office Cupboards	06
6.	Display board	01
7.	Notice board	01

- **Content Management System for e-learning:**
➤　A collection of audio CDs and VCDs in the library.

- **Participation in Resource sharing networks / consortia (like Inflibnet):-** INFLIBNET - N-List

4.2.5　Provide details on the following items:

- Average number of walk-ins　　　　　　　　　:- 400 with Reading Room / day
- Average no. of books issued/ returned　　　　　　　　　:- 200 / day
- Ratio of library books to students enrolled　　　　:- 1:31
- Average number of books added during last three years　　:- 546
- Average number of login to OPAC　　　　　　:- 20

- Average number of login to e-resources   :-180
- Average number of e-resources downloaded/printed   :- 4000 pages /month
- Number of information literacy trainings organized   :- Nil
- Details of "Weeding out" of books and other materials   :- Nil

4.2.6   Give details of the specialized services provided by the library:

- **Manuscripts :-   Nil**

- **Reference   :-   2517**

- **Reprography :-   Photocopying, Computer printouts**

- **ILL (Inter Library Loan Service) :**
  ➢ ILL facility is provided to departmental libraries and Dayanand Pharmacy College, Dayanand College of Arts and Dayanand Commerce College.

- **Information deployment and notification (Information Deployment and Notification) :**
  ➢ The library has notice boards used for displaying new arrivals of the books and journals, articles, advertisements, photographs, notices, college news cuttings and 'Unmesh' (College Magazine).

- **Download:**
  ➢ Download facility is made available to the users as per need.

- **Printing :**
  ➢ The library is having 01 printer with scanner.

- **Reading list/ Bibliography compilation:**
  ➢ Subject wise catalogues are compiled.

- **In-house/remote access to e-resources:**
  ➢ The internet facility is available in the library for easy access to e-resources.

- **User Orientation and awareness:**
  ➢ The newly arrived books, journals and other reading material are displayed in the showcase and their list is put on the library notice board.

- **Assistance in searching Databases:**
  ➢ The library is equipped with computer with broad band internet connection.

- **INFLIBNET/IUC facilities:**
  ➢ The college has recently received INFLIBNET-N-List facility. Individual ID is given to the faculty.

- **Book Bank**:

➢ The college has book bank facility. The book bank lends books to the meritorious students with poor financial background.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

➢ The books recently added are enlisted on the notice board for the acquisition to the students and teachers.
➢ Up to date catalogues are available that give information regarding new arrival of the books.
➢ Subscribed journals, periodicals and magazines are displayed on the stand.
➢ Syllabi and question paper sets of previous examinations are provided to the students and teachers.
➢ The library staff provides help to download the reference material.
➢ Search and location assistance for printed as well as e-learning resources through N-List and other educational web-sites.
➢ The library staff gives open access service to PG students and research students.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

➢ The library and reading room are located at the ground floor. So it is easy for physically challenged persons to approach library. The library staff extends its cooperation in searching the books and making seating arrangements for them. Physically disabled students are given special preference in issuing books.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

➢ Yes. We have implemented library feedback system. Library Advisory Committee receives feedback from the stakeholders. At the end of the academic year the feedback forms are issued to the students. The committee members analyze duly filled in feedback forms and communicate necessary corrective instructions to the concerned for the standardization of the library.

➢ A suggestion box is provided in the library. Once in a month, the complaints and suggestions are analyzed and remedy is provided by the committee.

4. 3   IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**
- **Computer-student ratio**
- **alone facility**
- **LAN facility**
- **Software**
- **Number of nodes/ computers with Internet facility**

Details on the computing facility available in the institution:-
- The college provides computing facility to the staff, faculty and the students with its 180 computer systems and an equal number of allied accessories and internet connectivity.

Facility	Details
Configuration	Intel (R) Core (TM) 2 Dual CPU, E7500@2.93 GHz and Intel (R) Pentium (R) D CPU, 2.80 GHz
Softwares	Corel draw, MATLAB, Tally 11.0,CMS, Adobe PageMaker 7.0, Sigmaplot, LaTeX, SOUL 2.0,Scilab, Mathtype, Photoshop CS3, Educational Softwares.
LAN Facility	Yes
Computer : Student ratio	1:5
Nodes with internet facility	180
Printers – a. Dot Matrix b. Leaser Black and White c. Leaser Color	22
Scanner	06

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus.

- **On the campus:-**
- Central Computer Facility for the staff and students.
- Laptops are provided by the college to the Principal, the Vice-Principal, NAAC co-coordinator, all Heads, and Office Superintendent.
- A separate broadband internet connectivity is made available in each department and Computer Laboratories under BSNL educational plans.
- Wi-Fi facility is available in limited areas in the campus.
- Free internet and computer access is available to the staff and students.
- The college has set up Network Resource Center (NRC) for students in central Library. The students are allowed to use the NRC during college hours.
- Students are allowed to use INFLIBNET, N-LIST e-resource facility which

is available in the library.
➢ The faculty avails INFLIBNET, N-LIST e-resource facility in respective departments.
➢ The hostels are having internet facility.

● **Off the campus:-**
➢ The students who are going to participate in external events like seminars, conferences, competitions and study tour are provided data card from the college.
➢ Data cards are provided to the staff members who visit the University for official work.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

a) Plans for Deployment and Up- gradation.
● Digital attendance system
● Smart Digital Board Class rooms
● ICT enabling in all classrooms
● Development of virtual learning technology
● Hosting web server

b) Strategy for Deployment and Up-gradation.
● As per the new syllabus and introduction of new courses, new software is purchased.
● According to the requirements of software, computer capacity is upgraded.
● Increase in the number of computers is according to the requirements given by the heads, especially by the Department of Computer Science and the librarian.
● Increase in ICT enabled classrooms.
● ICT based equipments are purchased as per the requirements

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Year	BUDGET EXPENDITURE (Rs)
2009-2010	4,60,342/-
2010-2011	4,00,000/-
2011-2012	5,30,220/-
2012-2013	5,60,200/-

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- The college has provided computers to all departments with internet facility.
- Internet facility is used by the staff and the students for referring study materials, online journals and publications through Central Computer Facility.
- To explain difficult topics, faculty follows PowerPoint presentation.
- Video conferencing with national and international researchers using Skype.
- Editing pictures with Adobe Photoshop.
- Observation of slides obtained from light microscope.
- Online downloading research material.
- The library is having a stock of educational CDs and VCDs.
- LCD facility, interactive boards (02), digital slates (02), digital cameras (02), I-pod (02), Notepad (04) are made available as per the requirement.
- The teachers make use of digital classrooms to teach e-materials, PPTs.
- Digital Labs are made available for Zoology and Botany departments, by using this ICT material the small electronics micro materials are displayed on the screen.
- Interactive boards (02), Digital Slates (02), Digital Camera (02), IPod (02), Note Pad (04).
- TV set.

4.3.6　Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- There are 05 digital classrooms which are made available to the students for the practice of paper presentations and seminars.
- Students give Power Point presentation in their seminar.
- Certain topics related to the syllabus are allotted to the students for paper presentations. Students present them with ICT. The teacher gives the guide lines for this presentation.
- Students are motivated to enrich their seminars with help of materials downloaded from educational web-sites.
- NRC facility in the library is for the sake of students to refer various e-journals, educational sites to enhance the knowledge.
- Online questioning and answering.
- Central Computer Facility motivates the students to refer e-journals, e-books and other study material.
- Online feedback facility.

4.3.7　Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

- The formalities in this regard are under way.

4.4   Maintenance of Campus Facilities.

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

➢ The institution prepares the budget every year for maintenance and upkeep of the facilities.

➢ Departmental Heads inform Principal about all maintenance needs and with his sanction, the maintenance in-charge sees that the available resources are optimally used according to the need-based priority.

➢ Furnished below is a statement of expenditure on different infrastructure maintenance heads during the last four years.

Sr. No.	Head	Year	Amount of Allocation	Amount Utilized
a)	Building	2009-10	13,00000/-	13,42,350/-
		2010-11	1,35,000/-	1,35,918/-
		2011-12	2,00,000/-	2,28,597/-
		2012-13	13,00,000/-	13,9,410/-
b)	Furniture	2009-10	3,50,000/-	3,33,986/-
		2010-11	1,00,000/-	1,10,211/-
		2011-12	1,00,000/-	6,00,000/-
		2012-13	2,10,010/-	2,06,000/-
c)	Equipment	2009-10	13,6000/-	13,00000/-
		2010-11	17,00,000/-	17,19,000/-
		2011-12	6,00,000/-	5,24,931/-
		2012-13	11,00,000/-	11,00,000/-
d)	Computers	2009-10	4,30,000/-	4,30,000/-
		2010-11	4,48,000/-	4,80,000/-
		2011-12	5,00,000/-	5,50,000/-
		2012-13	6,00,000/-	6,00,000/-

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

➢ For the maintenance and upkeep of the infrastructure, facilities and equipment of the college, budgetary provisions are made in the Local Management Committee.

➢ The Management has appointed Mr. Katpure M.D. as the Supervisor to ensure the upkeep and maintenance of all infrastructural facilities.

➢ Apart from the appointment of the supervisor, Management also has appointed 04 persons for the maintenance needs of the college.

1)   Shri. Shaikh M. S. - the maintenance of computer and projectors.
2)   Shri. Sharma H. P. - the maintenance of computer systems and related gadgets.
3)   Shri. Mule P.B., the electrician - the upkeep of all electrical equipments, generators, HT system and sound system etc.
4)   Shri. Pasarkar - the maintenance needs of printers and scanners.

➢   For the maintenance and upkeep of the infrastructure, the institution consults the professional architects
➢   Renovation and painting of the physical infrastructure is done as per the needs.
➢   For the proper maintenance of accessories, tools, equipments, the professional consultants are invited according to the needs. They are paid service charges.
➢   For the continuous supply of electricity we have UPS backup, inverters and generators.

4.4.3   How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

➢   In the beginning of academic year each department carries out the precision measures for the equipment depending upon the requirement. We have work arrangements with local service providers to service, calibrate and repair the several types of measuring equipment in our labs once in a year. If the instrument becomes unserviceable within its service warranty period, naturally it is returned to the suppliers for calibration service or replacement.

4.4.4   What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

➢   The college has its own HT installation and generators that ensure uninterrupted supply of power.
➢   For the regular water supply the college has its own two bore-wells and a well, rain-harvesting installations and supplementary municipal supply. It has enough number of overhead tanks and distribution network throughout the campus. Our electrical and plumbing technicians see the overall electrical and water supply systems.
➢   A separate DP with 440 volts for regular and stabilized electricity supply is maintained for the smooth functioning of the laboratories and its instruments. Provisions have been made for continuous supply, constant voltage, adequate load, desired level of illumination, proper electrical fittings etc.
➢   For maintaining stabilized and drift-free instrument operation, voltage control is achieved through the use of stabilizers and UPS.
➢   Availability of two Diesel Generator set (15KV and 20 KV) for alternate power source.
➢   Care is taken to earth-connect all equipment and avoid a shock hazard.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1   Student Mentoring and Support

5.1.1   Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

➢   Yes, the College publishes its updated prospectus for U.G. and P.G. along with leaflets for add-on-courses i.e. Career Oriented Courses in 6 disciplines annually. The Prospectus provides information to the students related to

- Infrastructure available
- General rules/regulations of the college and the University
- Eligibility criteria
- Course/s and their groupings about 13 nos. to provide adequate flexibility in the choice of subjects to the students
- Number of seats available
- Admission procedure
- Hostel facility
- Preventing ragging
- Important contact numbers
- Academic calendar
- List of management members
- Awards and prizes for rank holder students
- Information about Qualified Teaching and Non-teaching Member
- Scholarship details
- Fee structure for UG and PG separately
- Photographic information
- Meritorious students list

➢   Public Relation Officer (PRO), Admission Committee members and the official staff convince the students, parents and visitors at the time of admission and throughout the academic year.

5.1.2   Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

➢   The college provides freeships and financial assistance through the state and central government. The amount distributed is as follows:

Sr. No.	Name of Scholarships	2008-09	2009-10	2010-11	2011-12	2012-13
01.	GOI Scholarships	12,63,591	14,32,328	48,850	3,78,424	4,99,970
02.	Open Merit Scholarships	1,000	5,000	4,544	8,549	6,000
03.	Eklavya Scholarships	55,000	30,000	35,000	25,000	30,000
04.	GOI Freeships	7,975	7,655	4,285	11,200	17,045
05.	Minority Scholarship	4,000	34,450	43,300	1,25,216	--
06.	EBC Scholarship	2,07,825	2,23,125	2,32,050	2,30,775	2,99,625
07.	PTC Scholarship	14,025	20,400	17,850	15,300	17,850
08.	INSPIRE SHE Scholarship	--	--	--	--	2,40,000
09.	GOI Handicap	18,256	5,760	4,544	1,800	--
10.	GOI ST Scholarship	23,344	--	52,980	--	--
11.	Non Hindi Scholarship	--	--	33,000	--	--

➢ Yes, the Fees is waived for needy, poor students and Economical Backward Class students by the Management Council in exceptional cases.

➢ The amount is disbursed on time. The scholarship has been transferred through on-line process by the State Government/Central Government since 2011.

- **The list of students waived an amount of fees is shown below:**
  (last three years)

Sr. No.	Name of student	Year	Class	Amount Waived
1.	Ku. Mahajan Veena M.	2010-11	M.Sc. I (Micro)	20000
2.	Nikam Sachin M.	2010-11	M.Sc. I (Micro)	20000
3.	Malani Ajitkumar J	2010-11	M.Sc. I (C.S.)	5000
4.	Prayag Arti D.	2010-11	M.Sc. I (C.S.)	10000
5.	Patil Bahubali D.	2011-12	BCS III	13200
6.	Sayyad Bafool M.	2011-12	M.Sc. I (Che.)	10000
7.	Sayyad Rizia M	2011-12	M.Sc. I (Che)	10000
8.	Mahalangikar R.M.	2011-12	M.Sc. I (C.S.)	10000
9.	Khandelwal R.G.	2011-12	M.Sc. I (C.S.)	10000
10.	Adsul Vishal B.	2011-12	M.Sc. I (Che)	10000
11.	Kasle Dnyaneshwar J.	2011-12	M.Sc. I (Che)	10000
12.	Ku. Mahajan Veena M.	2011-12	M.Sc. II (Micro)	10000
13.	Ku. Prayag Arti D.	2011-12	M. Sc. II (C.S.)	10000
14.	Ku. Hanchate Siddhali B.	2012-13	BCS III	8020
15.	Ku. Gajare Jyoti P.	2012-13	M. Sc. I (C.S.)	18000
16.	Shelar Thakusen S.	2012-13	M. Sc. I (Che)	3000
17.	Ku. Bajulge Supriya C.	2012-13	M. Sc. II (C.S.)	5000
18.	Ku. Mahalangikar Renuka M	2012-13	M. Sc. II (C.S.)	10000
19.	Ku. Jatte Shrishali V.	2012-13	M. Sc. II (Micro)	5000
20.	Ku. Chaudhari Sabita H.	2012-13	M. Sc. II (B.T.)	8000
21.	Ku. Mundada Madhuri A.	2012-13	M. Sc. II (B.T.)	6000
22.	Meenapally Sownar R	2012-13	M. Sc. II (B.T.)	8000
	Total Fees Exempted			**2,19,220**

5.1.3   What percentage of students receives financial assistance from state government, central government and other national agencies?

- The student who belongs to the SC/ST/NT/OBC category receives financial assistance from the state and central government in form of maintenance allowance.
- 100   per cent students belonging to this category had received financial assistance from the state and central government during last four years.
- The students from rural area and backward category depending on their examination scores are provided with financial assistance under the head of "Colleges with relatively higher proportion of SC/ST/OBC and Minorities" Merged Scheme of UGC of Rs. 500/- for the purchase of books each limiting to sanctioned amount in Merged Scheme of University Grants Commission.
- The total amount of Rs. 90,000/- is distributed to 60 students for the year 2011, 2012 and 2013 respectively.
- For the open category students also there is a fee concession.

5.1.4   What are the specific support services/facilities available for:

- **Students from SC/ST, OBC and economically weaker sections**
- **Students with physical disabilities**
- **Overseas students**
- **Students to participate in various competitions/National and**
- **International**
- **Medical assistance to students: health centre, health insurance etc.**
- **Organizing coaching classes for competitive exams**
- **Skill development (spoken English, computer literacy, etc.,)**
- **Support for "slow learners"**
- **Exposures of students to other institution of higher learning/ Corporate / business house etc.**
- **Publication of student magazines**

- **Students from SC/ST, OBC and economically weaker sections:**
- ➤ The students who belong to SC/ST, OBC and the economic weaker sections are identified during the process of admission only.
- ➤ The college maintains a detailed record of the same with CMS software facility.
- ➤ All possible help is provided to these students during their stay in the college.
- ➤ The college offers liberal concession in Hostel fees, Admission fees, Mess fees to the economical weaker students.
- ➤ The college has appointed teachers from the staff as nodal officers and a separate office is provided with Computers and Internet facility to look after the needs of students who belong to SC/ST, OBC and economically weaker sections of the society.
- ➤ The nodal officers arrange the meetings of the students at the

beginning of the year. They provide all types of information like types of scholarships available, its eligibility criteria how to fill the forms. They also guide to the students in obtaining various certificates which are needed for the scholarships.

➢ The scholarships received from the governments are distributed to them without any delay. (Now, the process of transferring the amount is made online by the State Government)

➢ The college has conducted UGC sponsored Remedial Coaching Classes, NET/SET, Coaching for Entry in services especially for SC and ST students. The co-ordinators are nominated for responsibilities of every activity for proper care of students.

- **Students with physical disabilities:**
➢ The Institution is committed to accommodate them. The library facility is provided to them easily accessible on the ground floor. The students are given extra attention on the request of physically challenged student during the college terminal examinations as well as final examinations by making a special arrangement on the ground floor.

➢ The college has established a cell for physically disabled students. The percentage of physically disabled students in the college is very less. These students are cared specially. The cell arranges counseling for the students with physical disabilities. The cell organizes medical checkup camps for students with special needs. The cell looks aftercare for their physical convenience in the college premises.

- **Overseas students:**
➢ There are no overseas students in the college. The college will welcome the students in future and provide convenience to them.

- **Students to participate in various competitions/National and International**
➢ The College displays the advertisements and letters received from stakeholders on Notice-Board from time to time for the students. The college provides all facilities to the student who wishes to participate for various competitions at national and international level in Cultural, Debate Competitions and Sports activities.

➢ The College has an enthusiastic and dynamic Physical Director looking for participation of students in sports activities at State, National and International level.

- **Medical assistance to students: health centre, health insurance etc:**
➢ The college is having Health Centre for Boys and Girls separately. There are separate Doctors for Males and Females check up in Health Centers. The Visiting Doctors for "Girls Health Centre" is Dr. Sunita Bajaj having her schedule as follows:

Sr. No.	Days	Time
1.	Monday	04:00 pm. To 06:00 pm.
2.	Wednesday	12:00 pm. To 02:00 pm.
3.	Thursday	04:00 pm. To 06:00 pm.
4.	Saturday	12:00 pm. To 02:00 pm.

➢ Dr. Avinash W. Patil is visiting in "Boys Health Centre" for Medical Checkup as per following schedule:

Sr. No.	Days	Time
1.	Monday	02:30 pm. To 03:30 pm.
2.	Wednesday	02:30 pm. To 03:30 pm.
3.	Friday	02:30 pm. To 03:30 pm.

➢ The College arranges special check up camps for boys during the first and second semester in the campus.

➢ The health center arranges various programs during the year with the coordination of NSS and NCC unit in the college like Blood Donation Camps, Health related campaign etc.

➢ The Institution is constructing an indoor sports facility along with Gymkhana for the students. It will be inaugurated within six months and is made available to the students.

- **Organizing coaching classes for competitive exams:**
➢ The college has a special cell for competitive examination. The cell conducts the classes on regular basis for preparing the students for competitive examination like MPSC, UPSC. The infrastructure like library facility, reading room etc. is made available to the students. The students who register their names with the cell are allowed to borrow additional books for preparation of the examination. The college conducts examination on regular basis to make them aware for competitive examination. The cell also arranges lectures of experts, IAS Officers and successful candidates for guidance of the students. The activity is performed interdisciplinary with Dayanand Education Society's colleges of our Institute in the premises.

- **Skill development (spoken English, computer literacy, etc.)**
➢ The college has established a Language laboratory for improving the communication skill in English language. The college also conducts Spoken English Classes for the students. The infrastructure used for this purpose is from Arts College of our Institute within campus.

➢ The college has computer department with well equipped computer laboratory with 50 no. of computers and Internet Facility. The department of Microbiology, Electronics have also special computer lab with Internet facility. The department of Computer Science arranges computers literacy programmes every year. The students from other departments are also invited

for seminars arranged in this department. The facility is not only for students but also for faculty members and non-teaching staff.

- **Support for "slow learners"**:
➢ The college has established a cell for Remedial Coaching. The cell arranges extra lectures for slow learners. The teachers conduct extra lectures for slow learners in theory as well as practicals. The teachers are available in the departments to solve their difficulties in the subjects.
➢ Exposure of student is made to other institution of higher learning/ corporate/business house.
➢ Some departments in the college arrange industrial tours.

- **Publication of student magazines:**
➢ The college every year publishes student's magazine named "**UNMESH**" in the month of April/May every year. The editorial board is elected from the students. A copy of the magazine is submitted to the university and distributed to the students and all teaching and non teaching staff.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

➢ The college has started career oriented programs to develop entrepreneurial skills among the students in 6 disciplines viz.
    1. Certificate course in Electronics Equipment and Maintenance.
    2. Certificate Course in Computer Hardware and Networking.
    3. Certificate Course in Embedded System and Design.
    4. Certificate Course in Food Analysis
    5. Certificate Course in Mobile Repairs
    6. Certificate Course in Medical and Drug Analysis.
    7. Certificate Course in MATLAB (under Process)

➢ The students acquire some basic skills by completing these courses. After completing these courses some students have started their own units.
➢ The College has also arranged "ENTERPRENURSHIP AWARENESS PROGRAMME" for 60 students from B.Sc. during 21-02-2011 to 23-02-2011 in collaboration with "Maharashtra Centre for Entrepreneurship Development" (MCED), Latur. A project by District Industries Centre, Government of Maharashtra.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- **Additional academic support, flexibility in examinations**
- **Special dietary requirements, sports uniform and materials**
- **Any other**
➢ The college promotes participation of students in extracurricular and

co-curricular activities by displaying the information of Sports, games, Quiz competitions, debate competition, Essay competitions, Cultural Programmes etc. on Notice Board. The S.R.T.M. University arranges "Youth Festival" & "Avishkar" Events every year. The students from our college had obtained prizes in these events. The financial expenses for the Cultural competitions such as participation fees, entry fee charges, convenience other expenses are provided by the college.

- **Additional academic support, flexibility in examinations:**
➢ The college gives equal weightage to the academic and extra-curricular activities.
➢ The college gives due publicity by putting up notices on notice boards about examinations. The failed and absent students are allowed to appear in examination for improvement for absent and failure students as per university guidelines. The College arranges Workshops and seminars for students to develop leadership and confidence in them. The basic interviewing techniques, preparation for examinations and awareness and better life is inculcated in them in class teaching and spare time by the faculty.

- **Special dietary requirements, sports uniform and materials:**
➢ The participation of students in extra-curricular activities, sports and games are well encouraged by the college. The Physical Sports Teacher is appointed for training the students as a coach. If needed the coaches are invited by the college on honorarium is paid to them. The college bears the expenses regarding Sports uniforms and materials.
➢ The responsibility of promoting such extracurricular activities and sports are shared amongst the interested faculty. They intimate the students and teams are prepared for the participation at State and National level. These teachers look after every problem faced by the students and help them to participate in extracurricular activities. The students are also advised on their intake diet.
➢ The students participate in inter collegiate, state level competition and All India Level competition throughout the academic year.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT /   Central /State services, Defense, Civil Services, etc.

➢ The students appear for these examinations after U.G. Prof. Y.P. Saranikar with his team from Chemistry Department of the College has taken initiative for guiding the students in UGC-CSIR – NET, SET from year 2010-11. 23 students have passed NET Examination successfully. The infrastructure is also made available for Central/State services and Civil Services examination to the students on interdisciplinary in Arts College of the institution within the campus from 2012-13. The students are advised for preparation from U.G. level by reading the magazine like Competition Success Review (CSR) and

Daily Newspapers are made available in the Reading Room of the Library Campus.

5.1.8   What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

➢   The college has established the career counseling and guidance cell in the college. The Career Guidance and Counseling Cell has five members. The Head of the Institution is the Chairman of this cell. Other members are as follows-

1.   Convener - (working as a Co-ordinator)
2.   Members - Nominated by the Head of the Institution.

- **Academic:**

➢   Academic services include the guidance of respective faculty enabling them to understand the contents of the syllabus and its applications. Hand-on-experience methodology is utilized for blowing innovative ideas in their minds.

- **Personal:**

➢   The students are admitted from Rural and Urban area in this college. They have diversity of family background, economical conditions and regional limitations. They are advised personally on the principle of equity and understanding with each other through group discussions.

- **Career:**

➢   The College arranges Selection camps once in a year for desiring students. The Library reading room is made available with new bulletins like Employment News, Rozgar Samachar along with Internet facility.

- **Psycho-social:**

➢   The students are involved in N.S.S. activities and a camp is arranged every year in one of the villages in the month of January with a Social-Campaign. About 75 students for a period of 8 days serve in the region every year. The activities involve eradication of Superstitions, Health awareness camps, Importance of Education, Psycho-social activities for the villagers and small children.

➢   The services rendered by career Guidance and counseling are as follows:

		Counseling Functions/Activities
Guidance & Counseling at Point of Entry	Orientation, Registration Choice of electives Familiarization with important sites and locations on campus (library, dinning, health centre) students unionism	Self understanding Individual counseling Understanding others including Faculty and other Staff. in the institution Group counseling in the distinct areas like academic, personal-social, career.
Guidance and Counseling during the Course /Programme	Advanced Effective study habits Intensive library use and search Course changes Strategies of keeping steady academically, socially. Test taking behaviors; examination behavior awareness in the Course Content.	Relationships between courses/programmes subject selection and future plans Academic counseling in various forms Stabilizing inter-personal relationships.The ethics of examinations.
Guidance and Counseling on Exit	Seeking a job Writing applications and gathering information about openings Interview attending skills Exit Orientation Steps and stages in getting clearance.	Life as a young graduate The realities of the world of work Frustrations of seeking for employment Coping with the lab our market; Alternatives to paid employment. Self Employment.

5.1.9   Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

➢   Yes. There is a Career Counseling and Placement Cell for guiding students to seek job opportunities. The college organized the mental ability test of the students and thereafter the expert has provided counseling. The Cell organizes campus interview with the Industries and Stakeholders every year.

➢   The members of this cell guides for interviewing techniques and confidence at the time of interview. The details of the programme are displayed on the Notice Board for the students. The list of the interested students is prepared and is informed to the Stakeholders.

➢   The representatives of the stakeholders fix the dates and venue for interview. The students appear for the Interviews and gets placements.

➢   The details of placement is shown below:

● **Under-Graduate Placement Details:**

Sr. No.	Year	No. of Students Enrolled	No. of Students Shortlisted
1.	2008-09	77	08
2.	2009-10	120	12
3.	2010-11	66	08
4.	2011-12	72	14
5.	2012-13	87	02

- **Post-Graduate Placement Details:**

Sr. No.	Year	No. of Students Enrolled	No. of Students Shortlisted
1.	2008-09	35	04
2.	2009-10	31	05
3.	2010-11	42	04
4.	2011-12	38	03
5.	2012-13	47	07

- **We have placement linkages with companies like:**
  - Orchid pharmaceuticals and Chemicals, Aurangabad
  - Balaji Amines, Solapur
  - Tinna oils, Latur
  - CIPLA, Mumbai
  - Kirloskar Cummins
  - Wipro
  - Manjara Sugars, Latur
  - Apex Laboratories, Aurangabad
  - Tai industries, Pune

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

- Yes. There is a Grievance Redressal Cell in the college. Prof. K.N.Rathod is the Chairman of this Cell and resolving the issues in grievances of the Staff and students efficiently. The following issues were reported and meeted out effectively in short duration.

Sr. No.	Date of Issue	Name of Persons	Nature of Grievances	Decision
1.	21/09/2011	Sou. G.K. Chaudhary V/s Shri R.B. Tompe	Staff related	Meeted out on 16/01/2012
2.	26/09/2011	Shri R.B.Tompe V/s Sou. G.K.Chaudhary	Staff related	Meeted out on 16/01/2012
3.	24/11/2011	Shri R.R.Banmeru V/s Mane V.S. &Khandkure	Staff related	Meeted out on 26/11/2011
4.	13/01/2012	Mr. Sarang Hippargekar V/s Kiran Birajdar & his group.	Student related	Meeted out on 14/01/2012

5.	09/02/2012	Mr. Balaji R. Kantekar V/s Jagdish Kadam Patil Indrajit & JadhavAnil	Student related	Meeted out on 10/02/2012
6.	15/02/2012	Prof. Alane S.K. V/s Kiran Birajdar (GS)	Professor Student related	Meeted out on 15/02/2012
7.	28/04/2012	Prof Dr. Kedar N.A. V/s Prof. Gaikwad V.D.	Staff related	Meeted out on 30/04/2012
8.	29/08/2012	Mr. Sarang Hippargekar V/s Amol Rajmane (GS) his group.	Student related	Meeted out on 29/08/2012
9.	19/12/2012	Sou. G.K.Chaudhary V/s K.R.Bhise (Lib)	Staff related	Meeted out on 20/12/2012
10.	20/12/2012	Shri K.R.Bhise (Lib) V/s Sou. G.K.Chaudhary	Staff related	Forwarded to Management
11.	20/12/2012	All Students of B.Sc. Third Year V/s Prof. V. A. Chaudhari	Student & Prof. related	Meeted out on 22/12/2012
12.	07/01/2013	Amol Rajmane (GS) V/s Prof. Angulwar J.A.	Student & Prof. related	Meeted out on 10/01/2013
13.	22/07/2013	Prof. V. A. Chaudhari V/s All Students of B.Sc. Second Year	Prof. & Student related	Meeted out on 23/07/2013

➢ This cell is working smoothly on the principle of Natural Justice and free conscience in the college campus.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

➢ The college has established committee for prevention of sexual harassment. The college has set up "Yuvati Kalyan Mandal" supported by all Female faculty members. Almost all female students are members of this cell. They can freely discuss such issues in their meet. Till, there are no complaints of students pertaining to sexual harassment. Eventhough the Faculty and other staff remain alert to avoid and control such incidences. CCTV facility is used to keep an eye watch to avoid such incidences.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

➢ Yes. There is an anti-ragging committee in the college. The faculty member of this cell creates awareness amongst the students about anti-raging law. The Notice Board is displayed with notices in the beginning of the Semester every year as per UGC guidelines. The details are also given on the College Website. (dsclatur.org)
No ragging complaint has been noted amongst the students.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

➢ Following welfare schemes are available to students in the college.

• **Earn and Learn Scheme:**

➢ This scheme is undertaken for the benefit of students coming from the rural areas, who are economically backward, intelligent and meritorious but cannot afford higher education, needy and financially hard pressed. It inculcates in the student the idea that no work is big or small and develops a work culture with the right aptitude. The needy student is expected to work for three hours daily in office or Library or at the work allotted to them. An amount of Rs.750/- per month paid to the students.

- **Book Bank**:
➢ The college has book bank facility. The book bank lends books to the meritorious students with poor financial background.

- **Internet Facility:**
➢ Internet facility is made available in the college free of cost for the college faculty in the Departments and Library for students. The facilities of e-journal is provided to the students to update with the recent information in new horizons.

- **Students' Aid Fund:**
➢ The college provides financial assistance to the students hailing from poor economic background.

- **Special Guidance Scheme:**
➢ The basic objective of this scheme is to help those students who are deprived of the latest knowledge of the subject they undertake at the first year level. Secondly, to inculcate the urge to educate one self, and that education liberates one internally as well as externally. Thirdly, to offer guidance to students in opting their career choices and the relevant subjects to be pursued by them to attain their best potential.

- **Personality Development:**
➢ This is a scheme introduced by the college to develop the confidence and personality of student who come from the rural areas and are deprived sections of society. The marginalization and deprivation is double if a student is from the backward or scheduled castes. The main objective of this scheme is to promote overall personality development of learners addressing all the educational domains along with developing a critical mind, self-confidence and a commitment to society. The students are given training in health, law, and social activities. They are also given training in self-employment and all possible other activities that enhance their social confidence.

- **NSS:**
➢ The goal of N.S.S. is education through Community Service. The purpose is to enrich the student's personality and deepen his understanding of the social environment in which he lives. It helps students to develop an awareness and knowledge of social reality to have concern for the wealth being of the community to undertake appropriate activities design to tackle social problems

to promote welfare. The objective of NSS therefore. "Development of the personality of the students through Community Service." is achieved.

- **NCC:**
- ➢ A Battalion Unit has been established for NCC students. Capt. Ranjekar M.K. followed by leftnent Dr. V.A. Chaudhari is executing the activities since 2010 of NCC in the College campus. Every year the students participates in NCC camps like Army Attachment Camp, ATC, RDC, and CATC. The group of students from NCC unit provides Social services in "Ganesh Festival" for Bandobast in Latur district. Two cadets have been selected in Army. Cadet Sunil Patwathkar has won Gold Medal in drill competition at Aurangabad Camp. Pravin Ghodke has successfully completed "Republic Day Parade" held at Delhi in 2013. The results of "B – Certificate " and "C-Certificate" ranges between 90 % to 100 %.

- **Prizes and Awards:**

- **Prizes through Interest of the Donors are given to the student the amount deposited by the donors is shown in following table:**

Sr. No.	Awarded By	In the memory of	Deposit Amt.	Class	Subject
1.	Dr. Jagdish Govindlalji Agroya, Apex Hospital Main Road, Latur	Shri. Govindlalji Agroya	11,000	B.Sc.-I B.Sc.-II	Micro Micro
2.	Dr.Chandrashekhar Sidram Swami Dept.of Botany Dayanand Science College, Latur	Late Sidram Shankar Swami	10,000	B.Sc.-I B.Sc.-II	Botany Botany
3.	Dr.Ashok Shankarrao Ganu, Sanjivani Hospital, Majge Nagar, Latur.	Late Shankarrao Ganu	10,000	B.Sc.-I B.Sc.-II	Zoology Zoology
4.	Shri. P. K. Patil Signal Camp, Latur	Late Khanderao Rangrao Patil	10,000	B.Sc.-I B.Sc.-II	Maths Maths
5.	Dr. Anil Rathi Kaveri Hospital, Back of Petrol Pump, Latur	Shri. Vishnudasji Rathi	10,000	B.Sc.-I B.Sc.-II	Electronic Electronic
6.	Dr. Sow. Surekha Nilangekar, Nilangekar Hospital, Signal Camp, Latur	--	5,000	B.Sc.-I	Chemistry

7.	Dr. Ashok Potdar Civil Surgeon Banglow Civil Hospital Area, Latur	Shri. Pundalikrao Anantrao Potdar	5,000	B.Sc.-III	Chemistry
8.	Dr. Sow.Surekha Kale Kale Hospital, Tagore Nagar, Latur	Godavari Charitable Trust, Latur	5,000	B.Sc.-III	Physics
9.	Dr. Bhattad Bhattad Hospital Opp. Bus Stand, Latur	--	5,000	M.Sc.-I	Micro
10.	Smt.Shantabai Purushottam Kotalwar, Kotalwar Niwas, Azad Chowk, Latur	Late Purushottam Gajanan Kotalwar	5,000	B.Sc.-I	Computer Sci.
11.	Dr. Rajkumar Pralhad Kalkote, Yeshwant Netralaya, Bus Stand Road, Parbhani	Lat Pralhad Dattatraya Kalkote	5,000	B.Sc.-I	Physics
12.	Shri.Balkrishna Narayana Kotalwar Ganesh Medical, Old Kapad Lane,Latur	Shri. Balkrishna Narayana Kotalwar	5,000	B.Sc.-II	Chemistry
13.	Dr. Dinesh Varma Amrut Hospital, Kapad Lane, Latur	Manoj Sahdev	5,000	B.Sc.-III	Computer Sci.
14.	Prof. Ramkrishna Hiralal Ladda 3, Bhagya Nagar, Old Ausa Road, Latur	Rukminibai Ladda	5,000	B.Sc.-II	Physics
15.	Dr. Chetan Sarda, Sadasukh Hospital Latur	Late Dr. R.S. Sarda	5,000	B.Sc.III	Micro
16.	Shri.Rajendra Kishanrao Kunchamwar, Sarswati Niwas, Near Ausa Hanuman Mandir, Latur	Kishan Gopinath Kunchamwar	5,000	M.Sc.-I	Chemistry
17.	Shri. Ashokrao Govindrao Patki Warudchakrapan Tq. Sengaon, Dist. Hingoli	Late Smt. Radhabai Govindrao Patki (Warudkar)	5,000	B.Sc.III	Botany
18.	Prof. K. H. Purohit Saraswati Colony, Latur	Kesharbai Purohit	5,000	B.Sc.-I,	Physics
19.	Shri.Hirasing Ratansing Chavan (Guruji) Behind Tahasil Near Old Registry Office, Latur	Late Bhagirathibai Devichand Chavan	10,000	12th Sci	Maths 100 Marks
20.	Shri. H. K. Mugalikar Deshpande Colony Ausa Road, Latur	Mugalikar Smriti Prize	10,000	12th Sci	Topper in college

21	Prof. Ambhore A. N. Vikram Nager, Latur	Prof. Ambhore N.D.	5000	B.Sc. II	CBZ group 1st
22	Shri Jai Agrawal, Parli Veejnath, Dist. Beed.	Kappuchandji Govardhan Agrawal	5000	12th	1st
23	Prof. Ajay Mahajan, Dayanand Science College, Latur.	Sow. Suman Degambarrao Mahajan	10,000	11th	In all Sub.1st
24	Prof. Shiresh Chandrakant Joshi, Dayanand Science College. Latur.	Chandrakant Joshi	5000	B.Sc. -I	1st
25	Kshirsager Surekha Hariharrao	Rukminibai Kshirsager	5000	B.Sc. -II	1st
26	Prof. Kishor Panditrao Panse, Dayanand Science College, Latur	Shantabai Panditrao Panse	5000	11th	In Chem.1st
27	Prof. Dr. Solunke Ravindra Vasantrao, Dayanand Science College, Latur.	Matoshri Gitabai Vasantrao Solunke	10,000	B.Sc. -I	CBZ 1st
28	Prof. Dr. Thakre Lalit Vyankatrao, Dayanand Science College, Latur.	Vyankatrao Bajirao Thakre	5000	B.Sc.III	In Sub Elec. 1st

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

➢ Yes. The institution has vibrant alumni association. It has been formed and it has its own constitution. The alumni office bearers are as follows:
- President
- Secretary
- Joint Secretary
- Treasurer

➢ There is a separate Bank Account and Alumni meet is arranged every year.

- **Activities during the last two years:**
  1. Adaptation of two students every year from poor background.
  2. Felicitation of meritorious students
  3. Financial aid to the needy, poor and Economical Backward Class students for their education.

5.2 Student Progression:

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student progression (higher education)	2008-09 %	2009-10 %	2010-11 %	2011-12 %	2012-13 %
UG to PG	50	62	70	82	90
PG to M. Phil.	02	--	--	03	--
PG to Ph.D.	04	04	--	10	15
Employed Campus selection	02	06	--	05	--
Other than campus recruitment	Data Not Available	Data Not Available	Data Not Available	Data Not Available	Data Not Available

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Result summer – 2008

Sr. No.	Class	Total Student	Attend Exam Student	Pass Student	Fail Student	Percentage
1.	B.Sc. I	104	102	80	22	78.43
2.	B.Sc. II	79	77	65	12	84.41
3.	B.Sc. III	65	65	58	7	89.23
4.	M.Sc. I Chem.	33	32	25	7	78.13
5.	M.Sc. II Chem.	31	31	30	1	96.77
6.	M.Sc. I Micro.	33	29	26	3	89.66
7.	M.Sc. II Micro.	32	32	23	9	71.88

M.Sc. II Micro.	Panchal Vrushali Ganess - University Rank - II

Result Summer – 2009

Sr. No.	Class	Total Student	Attend Exam Student	Pass Student	Fail Student	Percentage
1.	B.Sc. I	140	140	84	57	60.00
2.	B.Sc. II	67	63	53	10	84.13
3.	B.Sc. III	94	94	56	38	59.57
4.	BCS. I	58	50	32	18	64.00
5.	M.Sc. I Chem.	35	35	31	4	88.57
6.	M.Sc. II Chem.	32	32	16	16	50.00
7.	M.Sc. I Micro.	36	34	30	04	88.24
8.	M.Sc. II Micro.	35	33	19	14	57.58

M.Sc. II Micro.	Pohare Pronima Bapu – University Rank - I
	Bhandare Satish Dnyaneshwar – University Rank - II

Result summer – 2010

Sr. No.	Class	Total Student	Attend Exam Student	Pass Student	Fail Student	Percentage
1.	B.Sc. I	227	220	130	110	54.17
2.	B.Sc. II	103	73	45	28	61.64
3.	B.Sc. III	79	76	37	39	48.68
4.	BCS. I	19	16	13	03	81.25
5.	BCS. II	31	29	27	02	93.10
6.	M.Sc. I Chem.	37	35	29	06	82.86
7.	M.Sc. II Chem.	34	34	22	12	64.71
8.	M.Sc. I C.S.	25	21	17	04	80.95
9.	M.Sc. I Micro.	30	28	21	07	75.00
10.	M.Sc. II Micro.	31	28	20	08	71.43

M.Sc. II Micro.	Aradhye Pallavi Kalyanrao – Universtiy Rank - I
	Kulkarni Kavita Diliprao – University Rank - III

Result summer – 2011

Sr. No.	Class	Total Student	Attend Exam Student	Pass Student	Fail Student	Percentage
1.	B.Sc. I	240	240	130	110	54.17
2.	B.Sc. II	75	73	45	28	61.64
3.	B.Sc. III	93	91	49	42	53.85
4.	BCS. I	12	10	10	00	100.00
5.	BCS. II	18	18	12	06	66.67
6.	BCS. III	28	28	27	01	96.43
7.	M.Sc. I Chem.	35	35	24	11	68.57
8.	M.Sc. II Chem.	34	34	28	07	82.35
9.	M.Sc. I C.S.	36	36	35	01	97.22
10.	M.Sc. II C.S.	14	14	10	04	71.43
11.	M.Sc. I Micro.	18	15	09	06	60.00
12.	M.Sc. II Micro.	23	22	12	10	54.55
13.	M.Sc. I B.T.	07	07	07	00	100.00

M.Sc. II Chemistry.	Mahamane Tukaram – University Rank – II

Result summer – 2012

Sr. No.	Class	Total Student	Attend Exam Student	Pass Student	Fail Student	Perce Ntage
1.	B.Sc. I	264	264	174	90	65.91
2.	B.Sc. II	130	129	109	20	84.50
3.	B.Sc. III	75	74	37	37	50.00
4.	BCS. I	25	22	18	04	81.82
5.	BCS. II	08	08	08	00	100.00
6.	BCS. III	12	12	11	01	91.67
7.	M.Sc. I Chem.	30	26	24	02	92.31
8.	M.Sc. II Chem.	22	22	15	07	68.18
9.	M.Sc. I C.S.	37	37	34	03	91.89
10.	M.Sc. II C.S.	31	31	17	14	54.84
11.	M.Sc. I Micro.	12	11	06	05	54.55
12.	M.Sc. II Micro.	10	10	08	02	80.00
13.	M.Sc. I B.T.	04	04	04	00	100.00
14.	M.Sc. II B.T.	06	06	04	02	66.67

M.Sc. II Micro.	Sayyad Samena Kauser Yusuf – University Rank - I
	Sharma Sonali Govindrao – University Rank - III

Result Summer – 2013

Sr. No.	Class	College Result 2009	Uni. Result 2009	College Result 2010	Uni. Result 2010	College Result 2011	Uni. Result 2011	College Result 2012	Uni. Result 2012	College Result 2013	Uni. Result 2013
1.	B. Sc. I year	60.00	--	54.17	--	54.17	--	65.91	--	83.06	--
2.	B. Sc. II year	84.13	--	61.64	--	61.64	--	84.50	--	95.60	--
3.	B. Sc. III year	59.57	55.23	48.68	50.80	53.85	45.60	50.00	48.20	91.75	53.80
4.	B.C.S. I Year	64.00	--	81.25	--	100.00	--	81.82	--	73.33	--
5.	B.C.S. II Year	--	--	93.10	--	66.67	--	100.00	--	94.12	--
6.	B.C.S. III Year	--	--	--	--	96.43	67.83	91.67	71.23	80.00	63.80
7.	M.Sc. I (Chem.)	88.57	--	82.86	--	68.57	--	92.31	--	80.77	--
8.	M.Sc. II (Chem.)	50.00	32.90	64.71	44.30	82.35	52.80	68.18	60.00	62.50	65.28
9.	M.Sc. I (Comp.)	--	--	80.95	--	97.22	--	91.89	--	81.25	--
10.	M.Sc. II (Comp.)	--	--	--	--	71.43	65.20	54.84	60.80	78.79	63.60
11.	M. Sc. I (Bio.Tech.)	--	--	--	--	100.00	--	100.00	--	50.00	--

12.	M. Sc. II (Bio.Tech.)	--	--	--	--	--	--	66.67	62.50	75.00	67.30
13.	PG Diploma in Bio-informatics	--	--	--	--	--	--	--	--	--	--
14.	M. Sc. I Microbiology	88.24	--	75	--	60.00	--	54.55	--	71.43	--
15.	M. Sc. II Microbiology	57.58	53.60	71.43	61.23	54.55	60.00	80.00	55.80	50.00	41.30

➢ As compared to university results the results of B.Sc., B.C.S. and M.Sc. are more than the university results.

Comparative Result with University – 2013-14
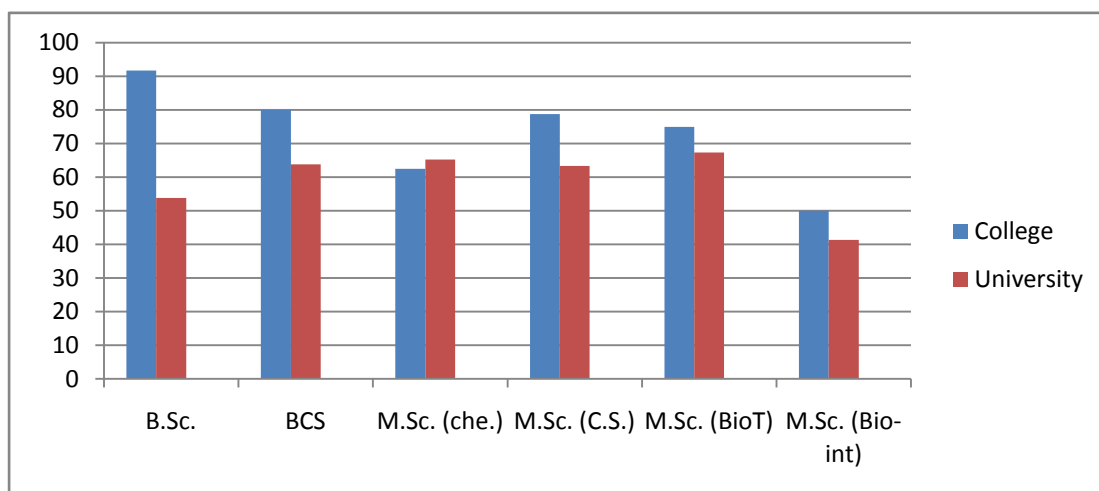
5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

➢ The college runs degree courses in Basic Science and (Computer Science) and PG Courses in Chemistry, Computer Science, Bio-technology, Microbiology and Bio-informatics. The students who desire to pursue the higher education are well guided by the staff of the college.

- The college arranges guest lecturers for giving guidance for P.G. admissions.
- The Computer Department engages classes for entrance examination of MCA
- The Science faculty arranges lectures for IIT-JAM admission for P.G. Courses.
- The Career opportunities after P.G. in different disciplines is also awarded.

- **Employment:**

➢ The college conducts classes for competitive examinations.
➢ The college arranges lectures on personality development.
➢ The college arranges campus selection for students once in a year.
➢ The faculty guides for Interviewing skills and Employment opportunities.
➢ Encourages creative and courageous students for self employment.
➢ UGC funds to the tune of Rs. **6, 60, 000** being utilized for student support Programmes - Details are given below:

- **UGC Funding Utilized for Student Support Programmes (in Rs.):**

Sr. No.	UGC Funding Schemes	Amount Received
1.	Colleges with relatively higher proportion of SC/ST and Minorities	60000
2.	Equal Opportunity Centre in Colleges	30000
3.	Remedial Coaching for SC, ST, OBC (non-creamy layer) and Minorities	210000
4.	Coaching for NET for SC, ST, OBC (non-creamy layer) and Minorities	260000
5.	Coaching classes for entry in services for SC, ST, OBC (non-creamy layer) and Minorities	60000
6.	Career and Counselling Cell	40000
	Total	**660000**

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

➢ The institution is committed to bring down the dropout rate. The socio-economic, cultural and psychological issues contribute to the drop out factor. To deal with the socio cultural problems, the counseling cell and grievance cell addresses to the students and sometimes to parents. The institute provides hostel facility to the girls. There are number of teachers in the college who extend financial support to the needy students.
➢ The Department of English arranges special lectures on the "Spoken English Language" to address the issue of foreign language compatibility. The main objective of this scheme is to orient learners towards self-learning and develop skills in communication.
➢ The students who are weak or seem to fail in the exams are provided coaching through extra classes in the college. The college also arranges cost free remedial classes for the weak students. The Student-parents meeting is arranged at the beginning of every year.

5.3   Student Participation and Activities:

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

➢ The Extracurricular activities, sports and games are well encouraged by the college. The college gives due publicity by putting up notices.

➢ The College has two play grounds within the campus and Indoor games facility is under construction. The following sports and game facilities are available in the college.

➢ Volleyball, Cricket, Lawn-Tennis, Football, Kho-kho, Kabbadi, table-tennis, shuttle. The extracurricular activities include debating, ex-tempo elocution, dance, one act play, drama, essay writing, etc. The cultural activities include participation in Youth Festivals, festivals arranged by the university and NGO etc.

➢ An activity "Gandhi Vichar Sanskar Examination" is arranged with the help of NGO since 3 years.

➢ The college arranges two days "Gathering Programme" for participation of students in cultural activities.

➢ The sports department and student activity department prepares a calendar of the various activities and it is displayed on notice board from time to time.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

• **Sports:**
A few notable achievements of our sports department are given below:

Year 2008 – 2009

• **INDIVIDUAL EVENT:**
➢ Shri. Ravindra Bhimrao Yenkure was the winner of –
➢ 100 m running
➢ 200 m running
➢ Long Jump and
➢ Tripple jump at "A" Zone Athletics Tournament.
➢ Shri. Ravindra Bhimrao Yenkure was the winner of –
➢ Tripple jump at Inter Zone Athletics Tournament.
➢ List of Inter University Tournament Participated Students –

Sr. No.	Name	Game
1.	Shri. Yenkure Ravindra Bhimrao	Athletics

Year 2009 – 2010

• **TEAM EVENT:**
➢ Winner of 'A' Zone Inter Collegiate Table Tennis Tournament.
➢ Runner Up of 'A' Zone Inter Collegiate Badminton Tournament.
➢ Runner Up of 'A' Zone Inter Collegiate Chess Tournament.

➤   List of Inter University Tournament Participated Students.

Sr.No.	Name	Game
1.	Shri. Shaikh Firoz Rajaksaheb	Ball Badminton

Year 2010 – 2011

- **TEAM EVENT:**
➤   Winner of 'A' Zone Inter Collegiate Chess Tournament.
➤   List of Inter University Tournament Participated Students –

Sr. No.	Name	Game
1.	Shri. Istalkar Dinesh Bharat	Cricket
2.	Shri. Shaikh Firoz Rajaksaheb	Ball Badminton
3.	Shri. Dhotre Nitin Ramdas	Baseball
4.	Shri. Mali Nikhil Ishwar	Chess
5.	Shri. Patwadkar Maruti Vinayak	Cross-country

Year 2011 – 2012

- **TEAM EVENT:**
➤   Runner Up of 'A' Zone Inter Collegiate Table Tennis Tournament.

- **INDIVIDUAL EVENT:**
➤   Shri Aade Arjun Babu was Runner up of 58 to 62 Kg Taekwondo Tournament at Central Zone.
➤   List of Inter University Tournament Participated Students –

Sr.No.	Name	Game
1.	Shri. Istalkar Dinesh Bharat	Cricket

Year 2012 – 2013

- **TEAM EVENT:**
➤   Winner of 'A' Zone Inter Collegiate Cricket (Men) Tournament.

- **INDIVIDUAL EVENT:**
➤   Shri Jagtap Vishal Tanajirao was the Runner upof 56 to 60 Kg Boxing Tournament at Central Zone.
➤   List of Inter University Tournament Participated Students –

Sr.No.	Name	Game
1.	Shri. Jatal Pravin Venkatrao	Cricket

- **Cultural Activities:**
➤   The college participated in University Youth festival and achieved following prizes,

Year 2009 – 2010

➢ "Prerna Youth Festival" was held at Nutan Mahavidyalaya, Sailu during 25-10-2009 to 28-10-2009. Mr. Patange Sachin participated in the Festival and won Bronze Medal in "Mridumurtikala" and a Bronze Medal in "VyangChitrakala".

Year 2010 – 2011

➢ "Yeshwant Youth Festival - 2010" was held at Yeshwant Mahavidyalaya, Nanded
during 02-10-2010 to 05-10-2010. There were five students participated in the Festival and won Bronze Medal in "Cartooning".

Year 2011 – 2012

➢ "Kusumanjali Festival-2011" was held at Swami Ramanand Teerth Marathwada University, Nanded during 16-10-2011 to 19-10-2011. Mr. Patange Sachin Padmakar participated in the Festival and won Gold Medal in "Cartooning" and another participant Mr. Hippargekar Sarang Sanjay won Silver Medal in "Spot Speech".

➢ Mr. Patange Sachin Padmakar has been selected as representative of Swami Ramanand Teerth Marathwada University, Nanded for Inter University Competition "Indradhanusha – 2011" held at Nashik during 04-11-2011 to 09-11-2011. He received two prizes.

1) Spot Photography - First Prize.
2) Cartoon Making   - Third Prize.

➢ Mr. Patange Sachin Padmakar has been selected as state representative for competition of Inter-State (West Zone) held at Udaipur in Rajasthan during 04-09 Dec., 2011. He received First Prize and won Gold Medal in (West Zone).

Year 2012 – 2013

➢ Inter college youth festival 'Surbhi - 2012' was held in Aditya college of Food Technology, Selu, during 30/09/2012 to 3/10/2012. In this festival 13 students of our college participated in various events.

Year 2013 – 2014

➢ Inter college youth festival 'Shivneri -2013' was held in Maharashtra college, Nilanga, during 27/11/2013 to 30/11/2013. In this festival 17 students of our college participated in various events.
➢ In this festival student ku. Priyanka shinde own Silver Medal in Spot photography.
➢ 10 groups of students own Third prize in Folk dance.

> Students Ravina Thakur and Puja Warade are selected are inter University Youth Festival Indradhanusha.

5.3.3   How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

> The College takes feedback about faculties and infrastructure available in the campus from students every year. A Suggestion box is also made available for the student and parents. The analysis of the feedback and suggestions helps the college to improve in various aspects and quality.
> The retired professors are called for their speeches and suggestions for development. Every year alumni meet is arranged and in such meets suggestions are asked for improvement of the functioning of the college.

5.3.4   How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

> The college encourages students to publish wall papers on occasions like1st May, 9th August, 15th August, 17th September, 24 September, 26th January, 8th March, Aids Awareness Day, NSS Special Camp, Science Day, Mother's Day every year. Since its inception, college regularly publishes "UNMESH" a student's magazine. The editorial board consists of teachers and students selected through essay competition.

5.3.5   Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

> Yes, The Principal, Head of the College appoints Election Officer with Committee members. They Selects the Class Representatives from all classes bearing meritorious representation alongwith Interview in the presence of Principal. These selected students then forms the "Students Council" as per the University guidelines every year. The "Student Council" has been inaugurated and looks for the welfare of the students throughout the year.

5.3.6   Give details of various academic and administrative bodies that have student representatives on them.

> The college publishes every year the student's magazine 'UNMESH'. The editorial board of this magazine constitutes the teachers and the students selected through essay competition and interviews.
> In all the activities like Zonal Competition, Seminars, and all cultural and other programmes, students are encouraged to participate as volunteers. They are assigned responsibilities in the organization of these activities.

➢ The member of the student council arranges Cultural Programmes, Sports activities and competitions from time to time for participation of students.

➢ The Student representatives in following academic administrative bodies.

- IQAC
- NSS
- Subject Association
- Committee 'UNMESH'
- Anti-Raging committee
- Games Committee
- Gathering Committee

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

➢ The alumni meet is arranged every year. The achievements of Alumni members is highly appreciated and felicitated in the meet. The college has included an icon for Alumni members on its website. The members can fill on-line membership forms as well as inform about their achievements. The network of alumni is also utilized for employment of graduates in various sectors.

➢ The former faculty members are invited for speech, for guidance to newly recruited faculty and in various programs as Guests to keep rapport with them.

- **Any other relevant information regarding Student Support and Progression which the college would like to include.**

  The students from our institutions and college are qualitatively progressing in society with different profession and self employment. It leads to the preference from the students and parents willingness for admision in the college. The college is also upgrading overall in performance to fulfill the needs of students in this region.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1   Institutional Vision and Leadership

6.1.1   State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

- **Vision of the Institute:**

➢   To enlight students of rural area and to contribute their services for universal development by promoting education.

- **Mission Statement of the Institution:**

➢   **"आ नो भद्रा क्रतवो यन्तु विश्वत:"** Let the noble thoughts come to us from all the direction of the universe.

- **Goals and Objectives of the Institution:**

➢   To impart higher education in science to the students of our rural area of this region.
➢   To promote the activities that are necessary for the welfare and overall development of the students.
➢   To help the needy and economically weaker students in education.
➢   To inculcate discipline, sincerity and devotion among the students to make them most responsible and respectable citizens of India.
➢   To prepare the students to face the challenges of the competitive world.

- **Enumeration of mission statement:**

➢   We have displayed these statements on our college website. (www.dsclatur.org) and also in the college at places like staff room, Girls common room, Library and at all departments.
➢   It is also printed in College admission prospectus and college magazine.
➢   College makes continuous efforts to communicate the vision and mission to its stakeholders.
➢   Vision and mission statements are displayed at the focal places in the college premises.
➢   Principal of the College regularly highlights the vision and mission in his inaugural speech delivered to students and other occasion like gathering.

- **Institution is addressing the needs of society as Follows:**
➢   Imparting knowledge to the students by establishing a science faculty at affordable price.

➢ Availability of highly qualified faculty in the college to achieve the vision and mission of the institute.

➢ To impart quality higher education and to promote these activities the college have a well equipped laboratory complex, Boys hostel, girls hostel and the departments are provided with broadband connectivity.

➢ The college offers P.G. courses in Chemistry, Microbiology, Computer Science and Biotechnology to inculcate the research attitude and make them able to face the challenges in the future.

➢ In addition to quality education, the college gives equal importance to sports, N.C.C. and N.S.S. activities. These activities are important in developing the values like brotherhood, bravery, sense of duty and discipline.

➢ The College is keen to develop and build a good moral, patriotism as well as social commitments towards the society it seeks to serve.

➢ The activities of various associations like literary association, Cultural Association,Science association, Yuvati Kalyan Mandal, cultural association, College Magzine 'Unmesh' help shaping the overall personality development of the students.

➢ The college has a recognized research center this indicates that the college is enhancing and promoting research among the students of this area.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

➢ Through IQAC and various committees, management, Principal and faculties are involved in preparing academic action plan at the beginning of academic year.

➢ Major plans are discussed and finalized at management level and academic plans are finalized through local management committee, Principal and all H.O.D's. for this, suggestions and recommendations from various bodies are considered.

• **Through these committees following practices are finalized:**

1) Appointment of teaching and non teaching staff as per government rules.
2) Formation of various committees.
3) Preparation of academic calendar.
4) Infrastructural development and facilities.
5) Planning about extracurricular activities.

6.1.3 What is the involvement of the leadership in ensuring?

• the policy statements and action plans for fulfillment of the stated mission:

• formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:

• Interaction with stakeholders:

- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders:
- Reinforcing the culture of excellence:
- Champion organizational change:

➢ The management has framed the objectives of the institution. The management formulates the plans for all operations.

➢ Principal is the chairman of all the committees at college level. He monitors through review meetings, the progress of the action plan. For proper implementation, the reviews of staff members, student representatives, parents, and stakeholders are taken for consideration.

➢ Major decisions related to the vision and mission being finalized in the governing body meet are put into L.M.C.

➢ Some minor decisions are also put directly by the representatives of the L.M.C. meet and are finalized there only.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

➢ At the top most level we have a board of management trustees & governing council of the management.

➢ Governing council is the highest body to frame and implement the policies of the management.

➢ The direct access of the college is with local management committee. Important policy decisions are taken in management council and the decisions are conveyed to the Principal through L.M.C.

➢ The Principal implements and monitors these decisions with the help of Vice-Principal, O.S., H.O.D.'s committee members and co-ordinators of various associations time to time.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

➢ The top management of institution provides autonomy to the Principal of the college. Principal provides autonomy to all H.O.D. & the faculty members for teaching methodologies and innovative practices, to ensure quality education.

➢ Faculty are given fullfledged academic autonomy for Curriculum design and implementation of COC-UGC, UGC-innovative programmes.

➢ Selection of Combination of optional paper for teaching.

➢ Organisation of workshopes, Seminars & Conferences and the themes of their interest.

➢ Preparation of Time table as per convenience of students Faculty.

➢ To arrange educational tours.

➢ Liberty to attend orientation & refresher training programme.

6.1.6 How does the college groom leadership at various levels?

➢ The management of institution is liberal and democratic in practice. Faculty members are made convenors of various committees to co-ordinate and monitor various activities of college.

➢ Total functional freedom is given to the convenors of all committees, to bring out the leadership qualities among the faculty members. Students are grooming their leadership through student council and various associations. Students prove their leadership qualities by organizing various function events & its celebrations like welcome function & farewell gathering.

➢ Staff members & students are felicitated by the management for achieving success and remarkable achievements at the occasion of 26 Jan, 15 Aug, 17 Sept(Marathwada Mukti Sangram Din) & 1st May (Maharashtra Din).

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

➢ Each department of the college is given operational autonomy. Head of the department has functional freedom. He allocates the work load, time table, conduction of test, seminars etc. under the guidelines given by the Principal and university.

➢ All the departments have annual budgetary provision.

➢ The department has given full-fledged autonomy for the expenditure of this budget for the department.

➢ The department has freedom at its own level for its proper functioning.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

➢ Yes, the college promotes a culture of participative management. For the smooth and effective functioning, the management had framed Local Management Committee including teaching and non-teaching staff as Per the norms and relations of university act. representatives are elected through the staff.

➢ The important suggestions regarding institutional development are conveyed through regular staff meetings via Principal. To the management for necessary action. Regular meeting of students council are organized by the Principal for the feedback, lacunas and suggestions from the students for better implementation.

➢ The local management committee considers the issues forwarded by Principal and takes the decisions.

➢ Principal being the president of student council and represents in local management committee to consider the issue regarding students.

➢ Management also actively participates in the parent-student meetings.

6.2 Strategy Development and Deployment:

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed, and reviewed?

➢   Yes, The institution has a formally stated quality policy. It is framed according to stated goals, objectives, and vision of the institution.

➢   It is implemented as per requirements or expectations to meet the national and regional problems or issues.

➢   The local management committee and Principal constitutes committees to dep. by the policies.

➢   All academic matters are monitored by IQAC, Principal and Head of the departments.

➢   The Stated policies are reviewed periodically by the management.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, The institution has prepared a perspective plan for development. It is as Follows.

1)   Enhancing communication skills specially in English through English spoken classes and general knowledge competitions.

2)   To introduce P.G. courses in basic subjects.

3)   To face the problems of the region, few career oriented courses to be introduced.

4)   To introduce P.G. courses in applied subjects like Bioinformatics, to cater the needs of this area and in view of job employability or opportunities.

5)   To promote research, well equipped laboratories and infrastructural facilities to be improved.

6)   To provide hostel facilities to Boys, as institution already have well furnished girls hostel.

7)   To create job opportunities through placement cell, (NET/SET) Counseling.

8)   To inculcate and impart the social values among the students, institute planned to develop Indoor and Outdoor stadium.

9)   To enhance the share of participation in cultural activities at state and National level.

6.2.3 Describe the internal organizational structure and decision making processes.

The internal organization structure of the institution is as follows**:-**

Administration - Evalution Process
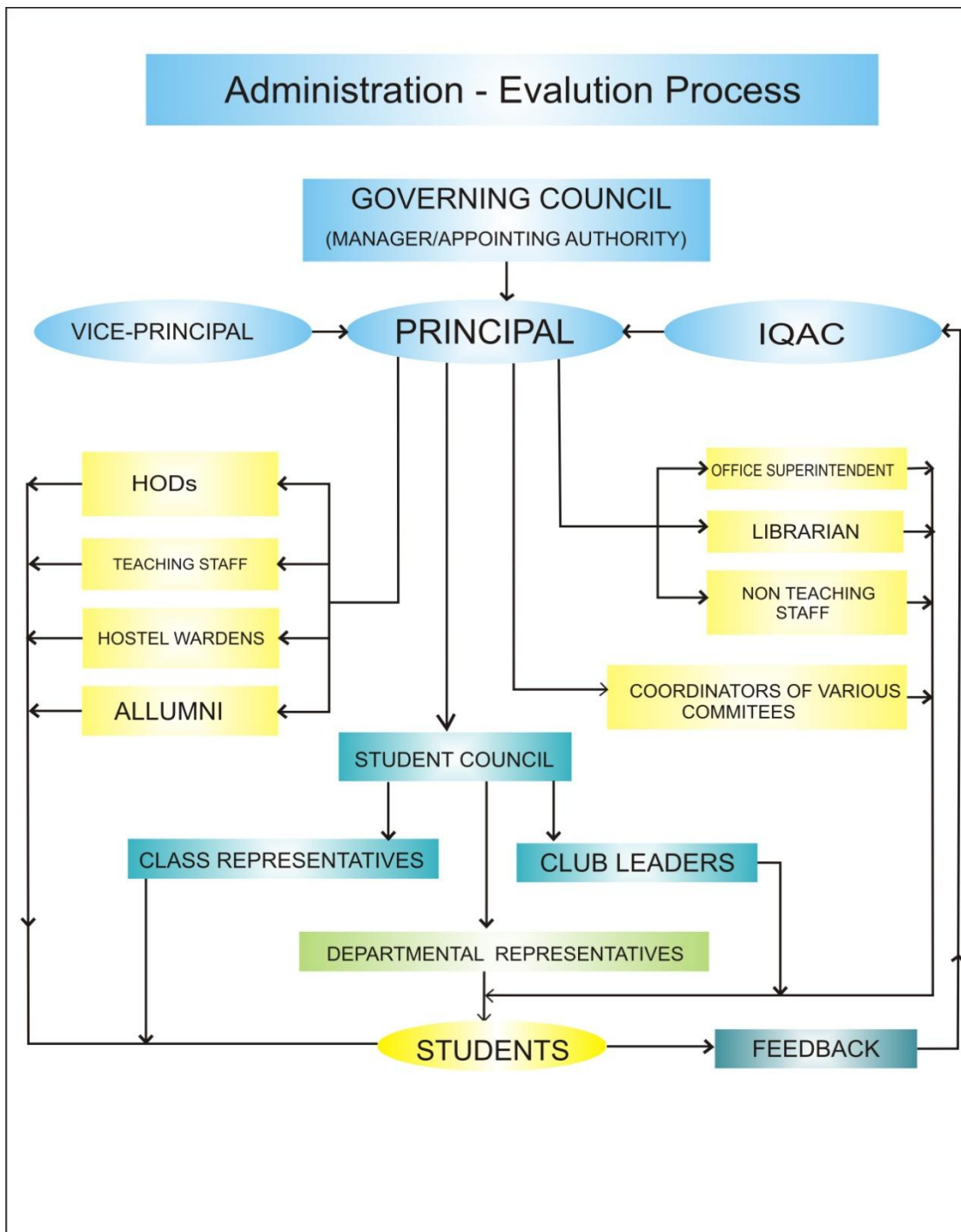
6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching and Learning**
- **Research and Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

- **Teaching &Learning:**
  - ➢ Faculties are provided with all essential facilities for effective teaching.
  - ➢ Teachers are encouraged to use audio-visual instruments like L.C.D. projector. O.H.P. powerpoint presentation, molecular models and charts.
  - ➢ To improve the quality of teaching, management encourages the faculty to attend orientation courses, refresher courses, workshops, seminars.
  - ➢ Faculty are motivated by organizing and participating in seminars, group discussion.
  - ➢ Guest lectures of eminent faculties from other institutes are arranged.
  - ➢ Students seminars, quiz competitions, prizes for meritorious students are given.

- **Research and Development:**
  - ➢ The college have recognized research centre in the subjects of Microbiology and Mathematics.
  - ➢ Five faculties are Research guides in the subjects of Zoology, Botany, Mathematics, Physics & Electronics.
  - ➢ Management provides all possible infrastructural and instrumental facilities to the faculty and researchers.
  - ➢ Faculties are encouraged with T.A., D.A., Study leave and sanctioning F.I.P. for completion of their research work.
  - ➢ Following Faculty availed the benefit of F.I.P. for completion of Research work.

Sr. No.	Name	Subject	University
1.	Dr. J.S. Tulba	Chemistry	Solapur Uni. Solapur
2.	Dr. J.S. Dargad	Physics	Solapur Uni.Solapur
3.	Prof. M.K. Ranjekar	Microbiology	N.M.Uni. Jalgaon
4.	Prof. S.B. Katare	Marathi	S.R.T.M.U.Nanded
5.	Prof. S.N. Ibatte	Chemistry	S.R.T.M.U.Nanded
6.	Dr. N.S. Korde	Chemistry	Dr. B.A.M.U.A'bad
7.	Prof. J.A. Angulwar	Chemistry	S.R.T.M.U. Nanded

  - ➢ Following Faculty members are pursuing their Ph.D.

Sr. No.	Name	Subject	University
1.	Prof. M.B. Deshmukh	Microbiology	S.R.T.M.U. Nanded
2.	Prof. Y.P. Sarnikar	Chemistry	S.R.T.M.U.Nanded
3.	Prof. R.S. Shinde	Chemistry	S.R.T.M.U.Nanded
4.	Prof. A.M. Chougule	Ind. Chemistry	Dr. B.A.M.U.A'bad
5.	Prof. R.K. Jadhav	Ind. Chemistry	S.R.T.M.U.Nanded
6.	Prof. S.K. Alane	Botany	S.R.T.M.U.Nanded
7.	Prof. K.N. Rathod	Physics	S.R.T.M.U.Nanded
8.	Miss. M.M. Pandit	English	S.R.T.M.U. Nanded
9.	Miss. A.G. Siddiqui	Microbiology	S.R.T.M.U. Nanded
10.	Prof. G.H. Bane	Hindi	S.R.T.M.U. Nanded

- **Community engagement:**
- ➢ Through N.C.C., N.S.S. and sports activities our students and management are engaged in diff. community activities like – polio vaccination, Blood donation Camp, N.S.S. Camp for the awareness about several social issues, National integrity, literary mission, environmental pollution, and biodiversity conservation, superstition eradication.
- ➢ On occasion of Celebration of golden jubilee, 'Nirbhaya Marathon' Rally was organized by the management for the protection of women rights and freedom.

- **Human resource management:**
- ➢ The management is committed to the academic development of the college.
- ➢ The administration is fully decentralized and total functional freedom is given to the head of respective department.
- ➢ Various other committees are formed to monitor the Co-curricular and other activities.
- ➢ The faculties are the members of these committees and they perform their role with the help of nonteaching Staff.
- ➢ Regular Feedback is taken from the stakeholders and if needed the suggestions are conveyed to the respective component.

- **Industry interaction:**
- ➢ The college has functional placement Cell.
- ➢ Excursion tours and industry visits are arranged for the interaction of the students with industry.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- ➢ As being the head of the institutions, Principal calls regular meetings of various portfolios.
- ➢ The feedback is taken from student representatives, students, parents and faculty.
- ➢ Feedback is also collected through suggestion boxes, and these suggestions are conveyed to the top management through L.M.C.
- ➢ Apart from this, Hon. Chairman, the Secretary and the board of directors frequently visit the college campus and as per the need, they give suggestions on various issues.
- ➢ Principal and Vice-Principal also meet students in class rooms and in campus personally.
- ➢ The whole campus is under the surveillance of C.C. Camera and continuous assessment is carried through control room.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- ➢ The management provides total autonomy regarding teaching, learning, evaluation & Research activities.
- ➢ Management offers infrastructural facilities like auditorium and its share during the organization of several events like National conferences, seminars & workshops.
- ➢ Management felicitates the faculty, non teaching staff and students for their special achievements on occasion of 15th Aug, 26th Jan, 17th Sep and 1st May (Maharashtra Din) state foundation day.
- ➢ Management offers 12% interest on corpus donated by alumni, faculty and stakeholders for the cash prizes.
- ➢ The cash prizes are given to the meritorious students in each subject and these are given on the events of annual social gathering.
- ➢ Management provides financial assistance for attending and presenting papers in the conferences.
- ➢ Management organizes staff gathering for recreation of the staff.
- ➢ Management has given rentless room to the employees credit co-op. Society.
- ➢ Management offers advances against salaries to the needy staff members.
- ➢ Management encourages the staff by including them decision making Committees like construction committee, Sports Committee, new course proposals, Golden Jubilee Celebration.
- ➢ Management gives festival bonus to the non-grant non teaching staff, 50% of their salaries. As below:

- **Year wise Distribution of bonus is as Follows:**

Sr. No.	Year	Amount in Rs.
1.	2009-10	17,500/-
2.	2010-11	27,000/-
3.	2011-12	44,250/-
4.	2012-13	63,750/-
5.	2013-14	91,000/-

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

- ➢ Decision / resolutions of the management in the last year are as follows:-
- ➢ L.M.C. Decisions.

Sr. No.	Date	Resolutions	Implementation
1.	19.04.2012	About Confirmation of Dr. L.V. thakare & Dr. V.J. choudhari	Services of Dr Thakare are confirmed probation of Dr. Choudhari is extended by six months.
2.	19.04.2012	Appointment of Technician under UGC IMF project	The post is advertised in daily sakal on 04.06.2012
3.	22.02.2013	To Sanction the grant for additional expenditure for the year 2012-13 for	The fund is sanctioned.

		1.	Students association	7263/-
		2.	Sports	7263/-
		3.	University Games	14550/-
		4.	Electricity Charges	115150/-
		5.	Miscellaneous	19272/-
		6.	Stationary & printing	45806/-
		7.	Telephone Charges	4330/-
		8.	Travel expenditure	78041/-
		9.	Water Charges	23092/-
		10.	Property tax	36641/-
		11.	Social Gathering	740/-
		12.	Reading room	765/-
		13.	Library insurance	325/-
			Total	**2,45,384/-**
4.	22.02.2013	To sanction additional budget for instrumental repairing about	1,50,00/-	Rs. 1,50,000/- is sanctioned for repairing the instrumentation in Lab.
5.	22.02.2013	To sanction F.I.P. to Prof. J.A. Angulwar		F.I.P. is sanctioned to J.A. Angulwar.
6.	22.02.2013	About confirmation of services of Teaching and non teaching staff.		
		1.	Principal Dr. J.S. Dargad	Their services are confirmed
		2.	Dr. S.S. Bellale	
		3.	Shri. B.G. Kamble	
		4.	Shri. V.A. Naikwade	
		5.	Shri. A.G. Navander	
7.	22.02.2013	About bad conduction of following Teaching and Non Teaching staff such as		The power of action is given to president.
		1.	Prof. V.D. Gaikwad	
		2.	Shri. R.B. Tompe	
		3.	Shri. R.A. Jadhav	
8.	28.08.2013	1.	About the V.R.S. Application of Dr. M.K. Ranjekar	Dr. M.K. Ranjekar V.R.S. was Sanctioned to
		2.	Confirmation of services of Dr. V.A. Choudhari	Services of Dr. V.A. Choudhari are confirmed
		3.	To give sanction to study tour in Zoology	Permission is given to organize study tour in Zoology
		4.	To introduce M.Sc. Math. & M.Sc. Physics from June 2014	Proposal is submitted for sanction towards Governing council.

6.2.8   Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

➢   The Parent University has a provision of according the status of autonomy, but our college didn't go for obtaining autonomy.

6.2.9   How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

➢   The college has Grievance Redressal cell for the stakeholders. This cell resolves grievances. Majority of the grievances of the students are solved by Heads of the dept., Vice-Principal and Principal level.

➢   Major issues of grievances are referred to the grievance redressal cell through Principal.

- **Grievance Cell:**
➢   The grievances are obtained in the form of written application or through grievance box which are mounted at diff. places in college premisces.

➢   There is a separate grievance redressal cell to analyses the nature of grievances.

➢   The constitution of grievance Cell is Principal (chairman), Vice-Principal, Librarian, Sports Faculty, N.C.C. and two lady faculty members.

➢   The College also constituted special grievance cell for SC/ ST/ OBC Students prevention of Ragging and Sexual harassment.

➢   Apart from this, there is separate grievance cell at Boys and Girls hostel.

➢   If any grievances are not solved at college level, such grievances are referred towards management.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

➢   There are no court cases filed by and against the institution.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes' what was the outcome and response of the institution to such an effort?

➢   Yes, there is mechanism for analyzing student feedback.
➢   Following are some of the outcome of feedback.
➢   Ladies hostel for girls is constructed.
➢   NET-SET cell for P.G. students is established.
➢   Broad-band connectivity and photocopier is provided to the students through library.
➢   Special funds (Rs.2000/- per students) of P.G. Classes is given by the management for the completion of their project work.
➢   Night Reading room facility is made available to the students.
➢   Number of Books (From 1 to 2) is given to the P.G. students on B.T. (Book Transfer) card.
➢   A set of four books is provided to the P.G. students is issued at home for the academic year.
➢   Dayanand Vidyarthi Suvidha Kendra is established for the students for purchase of stationary, notebooks and journals.
➢   Special budgetary provision is offered by the management for Youth Festival.

➢ Special budgetary provision of Rs. 50,000/- for innovative projects by the students.

6.3 Faculty Empowerment Strategies:

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

➢ The College arranges ICT training programme by the dept. of Comp. Sci. for teaching and non teaching staff to enhance their Professional capabilities.
➢ The faculties are motivated to organize and participate the Conferences, Seminars and Workshops.
➢ The Faculties are encouraged to attend the orientation programmes, refreshers and short term courses for the enrichment of subject knowledge.
➢ Faculties are motivated to apply for major and minor research projects, career oriented courses to the diff. funding agencies to nurture professional developments.
➢ The faculties are encouraged to take research activity through Ph.D. and management sanctions study leave for the same.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

➢ The teaching and nonteaching staff is given training of ICT by dept. of Computer Science.
➢ Workshops on Newly framed syllabus of affiliating university are organized.
➢ Soft skill development Programme are arranged for the non teaching staff.
➢ Faculties are encouraged to attend the seminars, workshops & Conferences.
➢ The institution has made compulsion regarding the faculty empowerment namely. Refresher courses, Orientation courses & other short term courses.
➢ At the same time, there is a compulsion to each department to organise seminar/Workshop/Conferences in various subjects.
➢ The faculties are made compulsory to undergo by improving through CAS, by doing M. Phil., Ph.D., Research Publications, Projects etc.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

➢ As per UGC and NAAC guidelines, the college has IQAC.
➢ Each faculty has to submit performance based appraisal forms to the IQAC. Chairman at the end of academic year.
➢ The PBAS covers all information about the Teaching evaluation, research, training, co-curricular and extenstion activities, improvement in qualification and the information about organization & participation in seminars, workshops and conferences.

6.3.4   What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

➢   The Principal and IQAC evaluate the self appraisals reports of the faculty.
➢   The Principal conveys both satisfactory and non satisfactory reports to the management.
➢   Accordingly management suggests for the improvement in their performance to the stakeholders through Principal and IQA Cell.

6.3.5   What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

➢   College runs following welfare schemes.
➢   College gives assuarance to the loan disbursing agency on behalf of the employee for the purpose of construction of home, furniture loan and educational loan.
➢   The college has employee credit co-op. society audited by grade A which offers loan for various purposes upto Rs. 8.00 lakh.
➢   It also offers festival loans, Emergency loan (upto Rs.20,000/-) per year.
➢   The society felicitates the meritorious students of the members of the society.
➢   Two sets of uniform is given to Class IV workers by the management.
➢   Emergency medical fund provision is made by the management under the authorization of Principal.
➢   There is provision of fee concession to the students of the staff.
➢   The benefits of these schemes is availed by 100%- staff accordingly.
➢   Management releases advances against the salaries to the newly appointed staff members.

6.3.6   What are the measures taken by the Institution for attracting and retaining eminent faculty?

➢   Core teaching staff is appointed for diff. courses. By assuring them handsome pay scale.
➢   Their salaries are promptly made.
➢   Management offers annual increment to the core teachers and non teaching staff on contract basis.
➢   Eminent faculties from the college are given due respect.
➢   Eminent faculties from other institutes are invited with respect and honor.

6.4   Financial Management and Resource Mobilization:

6.4.1   What is the institutional mechanism to monitor effective and efficient use of available financial resources?

➢ At the beginning of financial year budgetary provision is made as per the requirements of each department.

➢ This budget is sanctioned in the meeting of Local management committee.(LMC)

➢ The College has internal audit mechanism to monitor the utilization of the budget effectively & efficiently.

➢ The college has transparent system of accounting.

➢ There is appointment of special auditor Mr. T.R. Bora for internal audit.

➢ The utilization of the budget is monitored regularly by the joint secretary followed by secretary and president of management.

➢ All the quotations or purchasing are forwarded through joint secretary to President/Secretary and after their approval budget is utilized.

➢ Separate ledgers are maintained under diff. heads.

➢ Every transaction is supported by vouchers, all the collections are deposited in the banks.

➢ All the expenditure payments are made by cheques and demand drafts.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

➢ The college has internal and external audit mechanism.

➢ The internal audit is carried out by chartered accountant appointed by the management.

➢ External audit is carried out by senior auditor appointed by the state government.

➢ Last audit was done on 28/07/2013, there were no any audit objections.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

• **The College has following:**

Major source of receipts or funding are:-

➢ Fee collection from the students of UG and PG as per norms of University.

➢ Salary grant received from state govt. for aided courses.

➢ Grants received from UGC are as:

1. College development grants
2. Infrastructural grants
3. Career oriented courses.
4. Merged scheme grant
5. Special schemes from D.S.T.
6. G.O.I. Scholarships.
7. Open Merit Scholarship.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

➢ The additional fund is secured by the contribution from M.L.A.'s and M.P'S.
➢ College applied to diff. Govt. funding agencies like UGC, DST- FIST, DST.-INSPIRE, VIGYAN MUNCH, BARC, MPCB.
➢ The detailed information is mentioned in criteria number four.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

➢ Yes, College has established Internal Quality Assurance Cell (IQAC).
➢ IQAC is actively involved in academic activities for the overall improvement of quality in teaching, leaning and research.
➢ IQAC Cell collects information through feedback from students, stakeholders, alumni and the departments, analyses and provides suggestions for improvement.
➢ Continuous assessment of students is carried out by conducting unit tests.
➢ IQAC encourages to faculty to apply for major and minor research projects, publication of research papers, participation and organization of National, International seminars and Conferences.

b) How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

➢ IQAC Cell recommended for ICT Class rooms and management approved the same, as a result of this Dept. of Microbiology, Chemistry, Physics, Zoology and Botany have ICT Rooms with modern equipments.
➢ IQAC recommended Broadband connectivity to each dept and management provided the same to all departments.
➢ IQAC suggested to provide seed money for the completion of Project for P.G. students, as per the demands of P.G. students and duly recommended by the H.O.D. of P.G. Departments, management sanctioned Rs 2000/- per P.G. student for the completion of their projects.
➢ The college established NET-SET Cell as per the recommendation of IQAC Cell.
➢ College has organized Disaster Management Programme to meet the challenges of disaster with the help of NSS, N.C.C. & Fire brigade dept of Municipal Corporation of Latur as suggested by IQAC Cell.

➢　　As per the recommendation by IQAC, college established separate health centre for girls & boys in the campus.

➢　　IQAC suggested night reading room on demand of students through students feedback, and it is implemented successfully. Reading room is open at night also on holidays.

c)　　Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

➢　　Yes, the college has external members on IQAC. These members have rendered significant contributions, also forwarded valuable suggestions and played important role in development activities.

● 　　**IQAC Committee:**

Sr. No.	Name	Nomenclature
1.	Dr. J. S. Dargad	Chairman
2.	Prof. M. B. Deshmukh	Vice-Chairman (Co-ordinator)
3.	Shri.Laxmiraman Lahoti	Member from the Management
4.	Shri. Ramesh Biyani	Member from the Management
5.	Shri. Suresh Jain	Member from the Management
6.	Prof. K. N. Rathod	Advisor
7.	Dr. S. S. Bellale	Co-ordinator
8.	Dr. L. V. Thakre	Additional Co-ordinator
9.	Dr. C. S. Swami	Member from the Teachers
10.	Dr. R. V. Solunke	Members from the Teachers
11.	Prof. Y. P. Sarnikar	Member from the Teachers
12.	Prof.M. M. Pandit	Member from the Teachers
13.	Shri. Sudhir Tiwari	Administrative Officer
14.	Adv. Sanjay Pande	Nominee from Alumni
15.	Prof. M. R.Patil	Nominee from local society
16.	General Secreatory	Student Nominee (Students Council)

➢　　The College has established IQAC Cell after the 1ˢᵗ Cycle of NAAC.
➢　　The college has following institutional policy to assure the Quality-
➢　　In Consonance with our stated mission, vision & goals, priority is given to maintain and to sustain the quality in academic excellence.

● 　　**Institutionalizing the quality assurance processes:**
➢　　IQAC directs and monitors all developmental activities in the institution like,
　　　1.　　Teaching, Learning Process.
　　　2.　　Research & development.
　　　3.　　Introduction of New Courses.
　　　4.　　Organisation of Conferences, Seminars, Workshops.
　　　5.　　Communication Skill development.
　　　6.　　Organisation of Campus interviews.

7.   Evaluation of education process by feedback
8.   Maintenance of appraisal/ PBAS forms.
9.   Training programme for non- teaching Staff.
10.   To develop ICT based teaching process in the College.
11.   IQAC encourages to faculty to apply for Major and Minor research projects.

d)   **How do students and alumni contribute to the effective functioning of the IQAC?**

➢   The students and alumni give their effective feedback and valuable suggestions for quality improvement in the college.

e)   **How does the IQAC communicate and engage staff from different constituents of the institution?**

➢   IQAC communicates and engages staff by organizing meetings of staff and student council.
➢   IQAC also communicates through P.R.O. (Parent Relation Officer) from the college and through notices and orally by intercom facilities.

6.5.2   **Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.**

➢   Yes, the college has an integrated framework for quality assurance of the academic & administrative activities.
➢   For administrative function, Principal calls meetings of O.S. (Office Superintend), H.O.D's., Librarian, representative from non-teaching staff, General secretary of student council, staff secretary to enhance the quality and the resolutions of the problems created occasionally.
➢   Principal and IQAC Cell monitors academic activities as per academic calendar.
➢   The College has two systems of academic audit i.e. internal audit and external audit.
➢   Internal audit is performed by IQAC at the end of each academic year, IQAC visits every dept. and inspects all files & documents.
➢   The external academic audit is carried out by sister colleges of institution from the Pharmacy College by SWOT analysis.

●   **Out Comes:**

1.   Improved quality of teaching and learning.
2.   Increased use of ICT in classroom.
3.   Increase in projects, National, International seminars, Paper publications and Presentations.
4.   There is increase in Research and extension activity.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

➢ Yes, The IQAC cell provides training programmes of various softwares which are now used in office and library.

➢ IQAC arranged ICT training programmes for faculty in the Department of Computer Science.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

➢ Yes, the college undertake academic audit.

➢ The academic audit involves the academic performance of all departments and of the college.

➢ The academic audit of the college is carried out by the following external committee.

1. Principal, Dr. Atmaram Palnitkar- Chairperson. (Principal, Dayanand College of Commerce).
2. Dr. Dhanraj Jadge (Principal, Dayanand Pharmacy College).
3. Prof.Dr. Kunal Badade member (Vice Principal Dayanand College of Commerce).
4. Shri. Dhanraj Joshi – (O.S.) Superintendent, Dayanand Law College.

● **The committee has gone through all academic information and verified:**
1) Website
2) List of Staff's academic responsibilities.
3) College discipline.
4) Educational strategy.
5) Assessment and feedback strategy.
6) Teaching learning process.
7) Extension activities.
8) Research and Consultancy.
9) Students attendance report.
10) Annual students progress and action plans.
11) Information on college activities to promote research culture.
12) Departmental evaluation reports.

● **Following are some suggestions given by the Committee:**
1. About the absenty of students, communication to be made to their parents.
2. To make additional M.O. U's to enhance research.
3. To enhance participation of community in college social activities.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/ regulatory authorities?

➢ As per the guidelines of UGC, NAAC and Parent University quality is assured by:-

1. Full time planning, implementing, reviewing and improving the performance of the institution.
2. The duly prepared AQAR is submitted to NAAC.
3. The Management of the college is keen in sustenance of the academic and administrative quality.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?
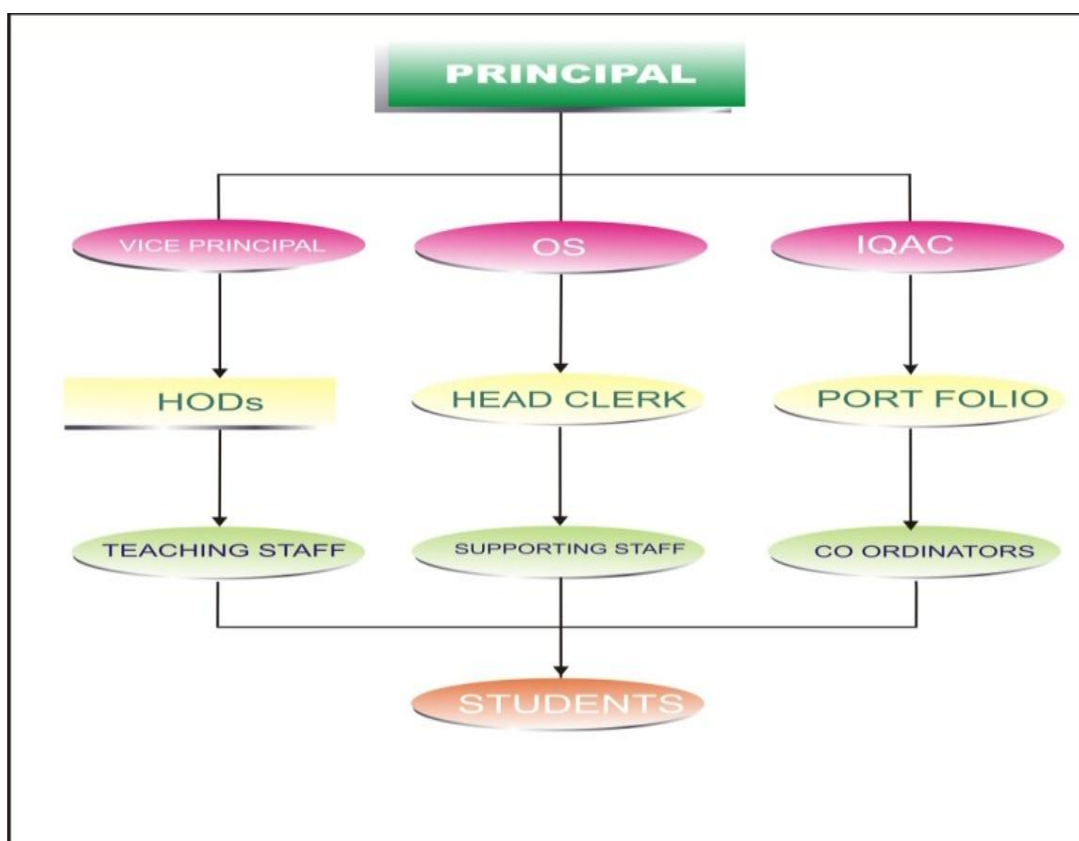
- **Mechanisms:**
➢ The IQAC, Research advisory committee and external audit committee reviews continuously the teaching learning process.
➢ The annual performance report submitted to NAAC –AQAR.
➢ The IQAC NAAC & external audit peer team determines the strengths, weakness and opportunities every year & gives suggestions.

- **Methodology:**
➤ These suggestions are reviewed periodically and operated through the concerned portfolios, such as:-

    1. Academic Calendar
    2. Time Table
    3. Unit Test
    4. Departmental meetings
    5. Feedback form alumni, students and Stakeholders.

- **Outcome**:
➤ There is improvement in teaching & learning by using modern tools with I.C.T.
➤ Promotion & Research in faculties by submitting minor and major research projects to diff. funding agencies.
➤ Improvement in attending the research activity by the faculty participation in international & national conferences, Seminars, Workshops.
➤ Faculty are actively involved in organization of conferences, Workshops and Seminars.
➤ There is improvement in the faculty to attain the faculty improvement programme and training courses.
➤ The students are oriented by organizing motivational bridge course in Physics and Mathematics, field Zoology students workshop.
➤ To create scientific tempers among young scholar, seven science Camps under DST-INSPIRE scheme has been regularly organized since Oct-2011 which benefited about 1750 students.
➤ Eminent scientists and personalities from national scientific institutes, other universities, scientific Laboratories visited and acted as mentors for students.
➤ This inculcated the scientific temper and to take research as career among students and faculty.

6.5.7　How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

➤ The college communicates quality assurance policies mechanism/ outcome to its internal and external stakeholders through:

    1. College prospectus
    2. College website
    3. College magazine 'Unmesh'
    4. Press conference.
    5. Publicity in Electronic and print media
    6. Parent Relation officer (P.R.O.)
    7. Advertisements in news papers
    8. By correspondence
    9. By Bulk SMS

10.　　　Notice board
11.　　　Staff Notice file / Notices
12.　　　Fresher's day speech of Principal.(Inaugural speech)

Any Other:

➢　　　The College has instructed all the departments to take care of the students grievances and help them redress the difficulties.
➢　　　The working of governance council is totally in democracy.
➢　　　There is an Anti-Ragging committee to look into the grievances and complaints of First year students regarding ragging.
➢　　　Counseling and mentoring system is followed in the department to address the students academic and Personal issues.
➢　　　To make arrangement for students scholarship if there any problem arises.
➢　　　To solve the students problems regarding correcting the name, register number, date of birth, male or female, paper code etc if there is any mistake through the head of the department and Principal.
➢　　　We have a tradition and culture to celebrate National events collectively.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1   Environmental Consciousness:

7.1.1   Does the Institute Conduct a Green Audit of its campus and facilities?

➢   Yes, The Institute of our college has a Green audit committee.

➢   The institute conducts a green audit of the campus by taking a stock of trees planted.

➢   The college has maintained a very good garden. Its upkeep is done by the Botany Department.

➢   In the campus there are nearly about 3000 plants and trees are available.

➢   The college has planted teak wood plant in two acre area behind the science college building by NSS students, NCC and Botany Department.

➢   But now they were reduced due to the construction of girl's hostel building. This loss of trees of teak wood compulsated by fresh tree plantation in ladies hostel and around the cricket stadium.

➢   By the teak wood plantation college has yield economy from the teak wood production.

➢   Botanical garden is well developed behind the Principal's cabin and consists of different types of plants like medicinal plants, flowering plants, fruit developing plants, gymnosperms, Angiosperms etc.

➢   Different types of phytoplankton and aquatic weeds are developed in the pond such as chara, hydrilla, Nymphea etc for the study purpose.

➢   In college campus different types of trees are planted.

➢   Inspite of these flowering trees are also planted.

➢   Inside corridor different varieties of plants are planted in soil pots and in open space of building trees are planted and a beautiful decorum is maintained.

➢   Regular care of these plants is taken due to which the campus has greenery.

➢   Biodiversity of plants is observed in our college campus.

➢   Artificial nests are provided for birds in the campus.

➢   Scientific information is displayed about the trees in the campus.

➢   For maintaining the greenery of our college, college has appointed a Gardner.

7.1.2   What are the initiatives taken by the college to make the campus eco-friendly?

➢   Various initiatives are taken by the college to make the campus eco-friendly.

•   **Energy conservation:**

➢   The main source of energy is electricity. In addition to the electricity, the college has installed solar lighting in the campus i.e in girls hostel and in tennis cort, street light.

➢   At most care is taken to save electricity by taking proper maintenance of the wiring and electrical equipment.

➢   Solar water heating system is installed in women hostel and boys hostel.

➢ To conserve energy we use CFL bulbs, fluorescent lubes, refrigerators with power saver remark.

➢ The computer screens with the LED backlight so that it requires little energy.

➢ In Chemistry laboratories the electric equipment and other accessories are installed by the technician to conserve energy to maintain safety.

➢ In women hostel for electrical water motor – 5 HP connected capacitor, which has reduced electricity losses.

➢ In Electronics laboratory common voltage source is provided to perform number of student's practical on a common bench.

➢ All the constructed buildings have adequate ventilation of natural light hence during day time minimum requirement of energy is there and hence energy is conserved.

- **Water Harvesting:**

➢ Water harvesting arrangements are made in the campus with the help of NSS volunteers.

➢ In the Chemistry laboratory the water harvesting system is in working order during rainy season.

➢ Roof water is collected and used as distilled water, which is used by all laboratories throughout the year.

➢ For specific practicals glass distilled water is used which is prepared in Chemistry laboratory using glass distillation plant.

➢ In the campus, Contours are made to stop run off rain water for effective ground water recharge.

➢ Our main resource of water is well which is situated on slope level and rain run of water is used for ground water recharge.

- **Check dam Constriction: Nil**

- **Efforts for Carbon neutrality:**

➢ The greenery around the institute helps to neutralize whatever carbon by products that are generated.

➢ In the campus huge trees are planted and spacious area is present.

- **Plantation:**

➢ The college is aware about the eco-friendly environment around the campus in the context of global warning problem.

➢ The campus is full of green trees. The college has planted different types of trees in the campus.

➢ We are creating green Zone in front of Chemistry Department and library building.

➢ Due to universal problem of water shortage we have made the arrangement like drip, sprinkler and underground pipelines to save and utilize water and to overcome the problem of water shortage.

➢ As a result our campus has become full of greenery and beautiful.

- **Hazardous:**
➢ The waste material is dumped.
➢ Acids, alkalis and other Chemical are drained with plenty of water so that they get diluted and can't cause harm in the laboratories.
➢ Acids are stored in the glass bottles which are kept in sand.
➢ The stoppers of all the bottles are regularly checked.
➢ Exhaust fans are provided in laboratory to expel gaseous waste.
➢ Dayanand Education Society has a common waste store room, for waste furniture, waste papers and other waste material; which are procured by offering tenders the waste products are sold and resource is generated.
➢ Common waste dumping ground is located at opposite Dayanand College Commerce library.
➢ Waste is collected by municipal corporation regularly.

- **e-Waste Management:**
➢ e-waste is dumped behind girls hostel.
➢ A property manager Shri. M.D. Katpure is appointed by management to look after all the waste material management.
➢ Electronic materials, discarded computers are being sold by property manager.
➢ E-waste is given to outside agency Ramdev Computer, Latur, to reuse & dispose.

7.2 Innovations:

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

➢ Various innovations are introduced during the last four years which have created positive impact on the functioning of the college.

- **Students Feedback System:**
➢ The college has developed the mechanism of student's feedback.
➢ The college is using the feedback forms provided by the IQAC cell.
➢ The feedback forms are analyzed by the feedback committee and the outcome is communicated to the concerned.
➢ As per the feedback of students, "Dayanand Vidhyarthi Suvidha Kendra" is started.
➢ Separate vehicle parking zone for ladies and students are made in the campus.
➢ Spoken English course is started.
➢ Due to feedback demand and different students organization, National Anthem is introduced.

- **Library Automation:**
  - ➢ The college library is fully computerized.
  - ➢ The SOUL 2.0 Software is being used in the library.
  - ➢ All the staff working in the library is computer literate.
  - ➢ Bar-code work is started for all the books.
  - ➢ Internet broadband facility is given for teachers and students free of cost.
  - ➢ Increase in the special collection books / literature w.r.t UPSC/MPSC, CA Foundation, IIT-JEE, MHT-CET, MCA-CST, NDA, NET, SET, GRE, GMAT, CAT, TOEFL etc, competitive examination.
  - ➢ Student and staff books issue/return SOUL 2.0 library automation software.
  - ➢ INFLIBNET N-list, virtual lab facilities etc.
  - ➢ Night reading room facility is there in library.

- **Automation of Administrative Block:**
  - ➢ The college has computerized administrative block.
  - ➢ Every staff member is provided a desktop along with internet facilities.
  - ➢ The college has purchased a college management software.
  - ➢ All the Departments are connected with broad band internet connectivity.

- **Dayanand Vidhayarthi Suvidha Kendra:**
  - ➢ The college has established a photocopying center in the **"Dayanand Vidhyarthi Suvida Kendra"**.
  - ➢ In this Suvida Kendra, there are practical books of various subjects, notebooks and tutorial books.
  - ➢ Project books and education material are also available for students.
  - ➢ For above material, less charges are applied on the basis of no profit and loss.

- **Public Relation Officer (PRO):**
  - ➢ College has appointed a Public Relation Officer (PRO) to maintain the record of the students and communicate their academic performance to their parents.
  - ➢ PRO communicates to parents and gives information about the overall performance of student.
  - ➢ PRO looks after the management between students, parents and the visitors.

- **Academic Innovations:**
  - ➢ M.Sc.Biotechnology, M.Sc. Computer Science and Diploma in Bioinformatics are newly introduced.

- **Career oriented Courses:**
  1. Electronic Equipment maintenance.
  2. Embedded software system design.
  3. Food processing.
  4. Computer hardware Networking.
  5. Drug Analysis.
  6. Mobile Repairing.

- ICT based teaching is adopted.
- Encouraging staff to use teaching aids, paper clippings, subject specific video clipping from internet for better delivery of content.
- Digital classroom in Microbiology, Biotechnology, Physics, Computer Science.
- ICT based projectors are made available for the dept. of Botany, Zoology and Computer Science.
- The feedback of students concerning the college, teachers, COC, library services etc. is regularly taken by the different committees confidentially and open discussion with students is made by Principal.
- For U.G. and P.G., class teachers are appointed to maintain regularity and progress of students.
- Every week the reports of students are send to parents by message.
- Internet facility has been extended to all the departments.
- We also run the special classes for various competitive exams such as NET/SET, IIT entrance exam in different subjects.
- CC TV cameras are installed in classrooms, laboratories, hostel buildings and library campus.
- National Pollution Control Programme is run by our college.
- Following Parameters are analyzed from Latur city.

    1. RSPM (Respirable Solid Particulate Matter)
    2. SPM   (Suspended Particulate Matter)
    3. SO2   (Sulphur dioxide)
    4. NOX   (Oxides of Nitrogen)

    The results are send every month to Maharashtra Pollution Control Board, Mumbai. (MPCB)

- This information is displayed periodically on the notice board for students.
- Our college is conducting "Gandhi Vichar Sanskar Pariksha" which is organized by Gandhi Research Foundation, Jalgaon.
- Determination of blood groups of students is done by Microbiology students in association with NSS and NCC.
- Checking of water potability for drinking purpose is done by the college students.
- Soil testing is done free of cost with the help of students of Botany & Microbiology for farmers.
- Water potability of various sources like boar well, open well, tap water routinely performed to check water potability by students of Microbiology.
- Hardness of water is estimated by students of Chemistry department.
- College organizes Inspire Camp every year.
- College has walking track of one km, developed by our institute with the help of Municipal Corporation Latur.
- This walking track is made available for students and staff in the morning & in particular timing for society.

7.3   Best Practices:

7.3.1.   Elaborate on any two best practices as per the annexed format.

Best Practice – I

1.   **Title of Practice:-** " Parent Relation Office" (PRO)
Our institute developed the parent relation office and appointed a person named P.R.O. with two supporting staff to look after the activities of students and to make good relations between our college, parents and students.
The goals of P.R.O. are as follows.

2.   **Goals:**
➢   To facilitate closer bonds between faculty student and their families.
➢   To convey the regular attendance and students progression to the parents.
➢   To take the feedback of parents.
➢   To communicate teachers, alumni, students and parents through electronics media of PRO.
➢   To increase involvement of students in college activities.

3.   **The Context:**
➢   The vision, mission and goals of institute is to impart higher education of science to the students of rural area of this region.
➢   Most of students of our college come from rural area. So their parents could not ramain in constant touch with college about their daughter's or sons progress.
➢   Many of students are helpless victims of poor family atmosphere. Father is farmer, mother is housewife, land is dry, financial constraints and health problems can shatter the hopes and aspiratations of the student.
➢   Such family background tends to student away from education and it is impossible for them to concentrate on their studies in such atmosphere.
➢   Some parents are busy in their jobs. So its our job to inform the parents about their ward.
➢   Parents are much worried about their daughters. We can improve their faith on our college.
➢   We want good suggestions from parents to improve our institution.
➢   Day to day maintenance of academic records.
➢   This practice gives importance to the role of PRO as monitor, counselor, facilitate closer bonds between the faculty, students and their families and positively affects the academic as well as the overall performance of the student.

4.   **The Practice:**
        As per the above discussed matter, our institute has appointed a P.R.O. by taking interviews. The person, (Generally ladies) is selected by considering her qualification and experience. Our institute decided to appoint a ladies candidate who is post graduate in science so that she also can understand the

problems of science students. In addition to the appointment of P.R.O., a supporting system is also developed with P.R.O.

This supporting system includes a computer operator, computer system and supporting software. Our institute has purchased the software which is useful to maintain the attendance of students as well as to send SMS to parents, about their ward. Software are purchased from Mr. S.R. Soni having cost Rs.50,000/-

➢ In Parent Relation Office, one fulltime Parent Relation Officer and two additional supporting staff is appointed.
➢ The PRO sent the Presenty / Absenty reports to the parents.
➢ The PRO communicates the parents by using the phone about the students progression.
➢ The PRO calls the meeting of faculty, students and parents twice the year.
➢ The PRO also arranges the meeting of Alumni.
➢ At any time in year the parents can contact with faculty through PRO and he can check attendance / mark list and overall progress of student.

5.   Evidence of Success:
By providing above system to students, we get overall success in different ways as follows.
➢ Regularity of students is increased to large extent.
➢ Involvement of students in different activities is increased.
➢ Parents are satisfied about institution.
➢ We developed a 'Suvidha Kendra' in college according to parents feed back.
➢ Improvement in teachers is also observed.
➢ We have restructured our time table according to convenience of student.
➢ We are going to develop automatic attendance system.
➢ Development of students in their academic performance.
➢ Bridge the gap between college, parents and students.

6.   Problems Encountered and Resources Required:
➢ The PRO cannot communicate with the parents of the hostelites.
➢ Some of the parents from rural area cannot contact the college after the communication also.
➢ Due to the tight schedule of the semester pattern, teachers have little time to give overall performance of students to the PRO and parents.
➢ The software and the expenses of the SMS and communication is one of the problems.

7.   Notes:
The practice "Parent Relation Office" is a healthy practice. This healthy practice increases overall performance of student and communication of the faculty, student and parents. It forms the closer relation between teacher, parent and student. Due to this the confidence of student goes on increasing and they will attract towards the college and quality education.

● **All the institutions can adopt this healthy practice.**

<div align="center">**Best Practices: II**</div>

1.   **Title of the Practice:**

➢   **Organization of INSPIRE Internship Science Camps:**

2.   **Goal:**

"Innovation in Science Pursuit for Inspired Research (INSPIRE)" is an innovative programme sponsored and managed by the Department of Science & Technology for attraction of talent to Science. The basic Goals of INSPIRE is to communicate to the youth of the country the excitements of creative pursuit of science, attract talent to the study of science at an early age and thus build the required critical human resource pool for strengthening and expanding the Science & Technology system and R&D base.

3.   **The Context:**

One of the components of "Scheme for Early Attraction of Talent for Science (SEATS)" is INSPIRE Internship in which annually about 50,000 students of top 1% performers in Class X board examinations and pursuing science at higher Secondary level are being given an exposure with leaders in science in the Summer/Winter camps to experience the joy of innovations. These Science Camps essentially nourish the curiosity of children in science; help them to think out of the box and attract the students at an early age of 16 - 17 years (i.e. in XI standard) to enroll in science subjects.

4.   **Practice:**

Organizing INSPIRE Science Internship camps is the best practice adapted by the college for the purpose of to attract the talent students towards the basic courses to increase the research activity of our country.

Dayanand Science College has the privilege of organizing **INSPIRE Science Internship Camps** for the last three consecutive years. In all up till now 7 camps were organized and 1750 students benefited by these camps. The camps are meant for science students of class XI. These were fully sponsored five-day residential science camps were a golden opportunity for the students to personally interact with various Academy Fellows, Bhatnagar Awardees and Scientists of National and International repute. It included lectures related to scientific success stories and the joys of innovations across all science streams, CD shows, round table discussions, experiment sessions, creative poster competitions, seminars, science quiz and field visits. Selected candidates for the camp were accommodated in our campus. The participating students were provided free transportation, local hospitality, related study materials, educational and registration kits. A certificate of participation and a take-home experiment kit were given to the students at the end of the five-day Science Internship Camp.

➢   **DST-INSPIRE Internship Camps Arranged**

Dayanand Science College has successfully conducted 7 science camps in the span of last three years as follows :

Sr.No.	Camp	Duration	No of Students
1.	I Camp	01 – 04 Nov., 2010	150
2.	II Camp	01 – 04 Jun., 2011	150
3.	III Camp	01 – 04 Dec. , 2011	150
4.	IV Camp	10 – 14 Mar., 2012	300
5.	V Camp	21 – 25 Jun., 2012	300
6.	VI Camp	19 – 23 Nov., 2012	400
7.	VII Camp	06 – 11 Nov. 2013	300

➤ The activities involving hands on experience like Telescopic viewing of Moon's Surface, Satellites of Jupiter's and many more is facilitated to enrich their knowledge and practical experience is included.

➤ The Daily News of the camp activities has been covered and published by the representatives of State Level and Local Newspapers like LOKMAT, SAKAL, EKMAT, SAMNA, LOKPATRA and many more

➤ All the expenses for organizing the camps were spent with accountability and as per the guidelines of DST, New Delhi.

➤ The Camps were designed in such a way that the participants feel the joy of studying basic sciences with guidelines of DST, New Delhi.

➤ The camps were absolutely residential in nature, even the local candidates were also not allowed to go home. So that, they may feel themselves an integral part of these camps.

The basic segment of the camps include Lecture-cum-interactive sessions by the competent Mentors in their subjects like Physics, Chemistry, Botany, Zoology, Mathematics, Earth Science, Geology, Space Science, Nanotechnology, Medical Science, Astrophysics etc.

• **Mentors Invited from**:-
  ➤ Indian Institute of Science, Bangalore.
  ➤ Tata Institute of Fundamental Research, Mumbai
  ➤ National Geographical Research Institute, Hyderabad
  ➤ National Chemical Laboratory, Pune.
  ➤ National Physical Laboratory, New Delhi.
  ➤ Vigyan Prasar, New Delhi.
  ➤ IISER, Pune
  ➤ Birla Institute of Technology, Kolkata.
  ➤ University of Pune, Pune.
  ➤ Homi Bhabha Council for Science Education, Mumbai
  Nehru Science Center, Mumbai

5.   Evidence of Success: -
➤ About 1750 aspiring students have been participated from XI Science having percentages in the range of 90 % to 100 %.

➤ About 297 students were eleven students of our college qualified for "DST-INSPIRE SHE".

- Eleven students are admitted in the B.Sc. degree course who are awarded by the scholarship of 80,000/- per year for the next five years.
- Every participant has earned a Life-Time experience.
- The participating students were enriched with the knowledge of the other fields to make their career in basic sciences.
- The students had improved their interest in basic science subjects and scored good marks in XII Board Examinations.
- They had been inspired for "not to seek more jobs but to provide more jobs."
- They came to know that there are many more opportunities in other fields also to choose their career instead of Medical and Engineering only.
- Majority of the participants plans to rethink their future career plans.
- The parents of the participating students were also invited to interact with Mentors and Organizers in extra session in every Camp.
- The Oral and Poster presentation competition is introduced in the schedule which leads to collect information on the subject and confidence in presentation. The toppers in such competitions are also awarded by prizes from Vigyan Prasar, New Delhi.
- A test has been conducted to evaluate the students at the end of the camp.
- The Mentors were willing themselves to join in the another camps.

6. Problems Encountered and Resources Required:-
- Less response of qualified students for admition of B.Sc. degree courses.

7. Notes (Optional):-
- Due to the organization of such INSPIRE Science Camps, young talented students, get motivated to take admission in basic sciences rather to go professional Engineering and Medical streams.
- This will be definitely enhance talents in the research and development activity of India.
- The impact of such science camps organized by our college is that 10 students qualified 'INSPIRE- SHE' admitted course to B.Sc.
- The practice 'INSPIRE' camps is healthy practice. This healthy practice increases attraction of talented students towards basic courses which increases research activity of our country.

<p align="center">Best Practices: III</p>

1.   Title of the Practice:

➢   Felicitation of meritorious students.

2.   Goal:

➢   To felicitate every meritorious students in the college in academic and extracurricular activities.
➢   To motivate the existing students to do the hard work and achieve merit.
➢   To promote the activities that are necessary for the welfare and overall development of the students.
➢   To prepare the students to face the challenges of the competitive world.

3.   The Context:

Most of the students of our college come from the nearly rural area. These students are having adequate knowledge and some of them stood in order of merit in the university. But they have less confidence about themselves for the higher level competitive examinations. So in order to promote them and build confidence among them for preparing them to face the entrance and competitive exams, the college organizes their felicitation program at different occasions like gathering and special programmes in which different state and university level achievers are invited.

4.   The Practice:

Felicitation of meritorious students (Gunvatta Sanman Yojana) is the best practice adapted by the college. For the effective implementation of this practice we are doing certain important things.

i)   Free Hostel Facilities and EBC Scholarships:
Free hostel facility is extended for needy students of rural background. The college has 120 boys and 350 girls in hostels.

➢   Education to students from economically weaker section of the society is always a prime agenda of the college.
➢   EBC, Scholarship and other central and state government scholarship are awarded to the students as per the government policy. College has established a committee of GOI and other scholarship guidance through which students are guided to apply for EBC, Scholarship and make follow off for getting this facilities.
➢   These committees guides about different scholarship scheme organized by state government such as GOI, Rajarshi Shahu and Mahatma Phule Scheme to students.
➢   These committee guides and advises to those students who are from economically weaker open section to take educational loan from bank.

ii) **Faculty members of the college promote to the students to accepts the challenges of the changing world.**

iii) **Career Counselling and Placement Cell is established and organize programmes like spoken English, communication skills and personality development.**

iv) **A set of special study material is given to the meritorious students.**

v) **Awards Prizes:**
For the encouragement of students, college awards prizes to meritorious students, who hold top position in various subjects at different class level for every year.

➢ These prizes are given through the amount of interest on deposits by various donors from latur city.

➢ These donors are Trusty, Alumni, faculty members and parents and donate awards in memories.

➢ As per the results of university exam, the meritorious students are awarded with cash prize in gathering programme on the basis of previous year result analysis. The students with better academic prospects are identified in each subjects and are given special attention towards their progress throughout year.

➢ From the donors college take cross check in favour of Dayanand Education Society and deposited into Dayanand Education Society and they received acknowledgement receipt by 12% interest.

➢ List of merit students is displayed & the prizes are distributed in gathering and all donors are invited and true copies of the certificates (certificate Xerox) of merit students is also given to donors.

5. **Evidence of Success:**
The detail of the prizes of degree students shows the success rate a such as performance against target.

2011-2012

Sr. No.	Name of Students	Class	Subject	Amount
1.	Chaudhari Puja Dinkarrao	B.Sc.-I	Microbiology	1100/-
2.	Sayyad Javira Usman	B.Sc.-I	Botany	1000/-
3.	Jadhav Sanjay Anandrao	B.Sc.-II	Zoology	1000/
4.	Mane Mahesh Ganpatrao	B.Sc.-II	Mathematics	1000/-
5.	Kshirsagar Anuja Ravindra	B.Sc.-I	Electronics	1000/-
6.	Sayyad Javira Usman	B.Sc.-I	Chemistry	500/-
7.	Bhagat Vijay Sanjay	B.Sc.-III	Chemistry	500/-
8.	Chaudhari Samir A.	B.Sc.-I	Ind. Chemistry	500/-
9.	Sayyad Samina Yusuf	M.Sc.-I	Microbiology	500/-
10.	Shaikh Ruksanabegem B.	B.Sc.-I	Computer Sci.	500/-

11.	Thombare Ashok A.	B.Sc.-I	Physics	500/-
12.	Jadhav Dhananjay	B.Sc.-II	Chemistry	500/-
13.	Mane Mahesh	B.Sc.-II	Computer Sci.	500/-
14.	Hardas Pawar Suryakant	B.Sc.-II	Physics	500/-
15.	Chaudhari Renuka	M.Sc.I	Chemistry	500/-
16.	Pawar Swati Balaji	B.Sc.III	Physics	500/-
17.	Pethkar Maruti Ramesh	B.Sc.-II	CBZ Group	500/-
18.	Sayyed Javeriya Usman	B.Sc.-I	All Subject First	500/-
19.	Jadhav Dhananjay Anantrao	B.Sc.-II	All Subject First	500/-
20.	Yadav Diksha Dipak	B.Sc.-I	CBZ Group	1000/-
21.	Patil Swati Balaji	B.Sc.-III	Electronics	500/-
22.	Jadhav Dhananjay Anandrao	B.Sc.II	Microbiology	1100/-
23.	Petkar Maruti Ramesh	B.Sc.-II	Botany	1000/-
24.	Chaudhari Puja Dinkarrao	B.Sc.-I	Zoology	1000/-
25.	Thombare Ashok A.	B.Sc.-I	Mathematic	1000/

2012-2013

Sr. No.	Name of Students	Class	Subject	Amount
1.	Nogja Ganesh Narayandasji	B.Sc.-I	Microbiology	1100/
2.	Chaudhari Puja Dinkarrao	B.Sc.-II	Microbiology	1100/-
3.	Nogja Ganesh Narayandasji	B.Sc.-I	Botany	1000/-
4.	Sayyed Javeriya Usman	B.Sc.II	Botany	1000/-
5.	Patil Komal Shrikantrao	B.Sc.-I	Mathematics	1000/-
6.	Thombare Ashok Allauddin	B.Sc.-II	Mathematics	1000/-
7.	Surana Saurabh Jitesh	B.Sc.-I	Electronics	1000/-
8.	Phutane Sonali Digambar	B.Sc.-II	Electronics	1000/-
9.	Swami Rudramani Shivkumar	B.Sc.-I	Chemistry	500/-
10.	Jadhav Dhananjay Anandrao	B.Sc.-III	Chemistry	500/-
11.	Jadhav Bhagyashree Bharat	B.Sc.-I	Ind. Chemistry	500/-
12.	Piyushna Tuljapurkar	M.Sc.-I	Microbiology	500/-
13.	Patil Komal Shrikantrao	B.Sc.-I	Computer Sci.	500/-
14.	More Sagar Amit	B.Sc.-I	Physics	500/-
15.	Kadari Ayesha Wasim	B.Sc.-II	Computer Sci.	500/-
16.	Thombare Ashok Allauddin	B.Sc.-II	Physics	500/-
17.	Chaudhari Samir Ajamtulla	B.Sc.-II	Ind. Chemistry	500/-
18.	Kendre Vaishali Devidas	M.Sc.-I	Chemistry	500/-
19.	Pawar Sonali Sangram	B.Sc.-III	Physics	500/-
20.	Wannale Shivshankar S.	B.Sc.-II	CBZ Group	500/-
21.	Nogja Ganesh Narayandas	B.Sc.-I	First	500/-
22.	Thombare Ashok Allauddin	B.Sc.-II	First	500/-
23.	Momin Farheen Sadik	B.Sc.-I	CBZ Group	1000/-
24.	Madhuri Mundada	M.Sc.-I	Biotech	1000/-
25.	Birajdar Chandrashekhar S.	B.Sc.-III	Electronics	500/-

➢ These results indicates that the college is becoming highly successful to achieve desired target developing topper students.

➢ The college is widening and enlarging the looks for the success of the students.

6. Problems Encountered and Resources Required:

Our college is one of the best college in this area. Lots of students are attracted towards our college, our students strength is considerably high. Number of prizes by alumni and staff is insufficient. So to increase the number of prizes, the college appeal to alumni and faculty to participate and we are trying to increase the amount.

7. Notes (Optional):

Any college implementing the best practice need time management, money management, resource management, positive and activeness to achieve goal and dedication to work.

∗	Name of the Principal	:-	Dr. J.S. Dargad
∗	Name of the Institution	:-	Dayanand Science College, Latur.
∗	City	:-	Latur. (Maharashtra)
∗	Pin Code	:-	413512
∗	Accredited Status	:-	B^{++}
∗	Work Phone	:-	02382-222929
∗	Mobile	:-	09403970550
∗	Fax	:-	02382-211149
∗	E-mail	:-	jsdargad@rediffmail.com

Evaluation Report of the Department of Physics

1.   Name of the Department   :-   Physics

2.   Year of Establishment   :-   1961

3.   Name of Programs / Courses offered (UG, PG, M. Phil, Ph.D., Integrated Masters: Integrated Ph.D., etc)**:-**

    i.   UG (B.Sc Ist, IInd, IIIrd year Physics)
    ii.   Ph.D., M.Phil.
   iii.   COC Courses in
         a) Embedded System Design
         b) Mobile repairing
         c) Electronics equipment maintenance

4.   Names of interdisciplinary courses and the department /units involved**:**

- Department of Computer Science and BCS
- Department of Physics and Electronics for the research in the field i.e. materials Sciences, thin films, nanomaterials, lasers, superconductors, multiferroics etc.

5.   Annual / semester / choice based credit system (program wise):

- Semester – S.R.T.M. University, Nanded.
- Internal theory exams.
- Assignments / internal MCQ exams.

6.   Participation of the department in the course offered by other departments**:**

- The faculty member Prof. K. N. Rathod is life member of IAPT (Indian Association of Physics teachers).
- The faculty member Prof. K. N. Rathod is in Panel of paper setter in Dr. B. A. M. University, Aurangabad.
- The faculty member Lt.Dr. V. A. Chaudhari is working as a NCC Officer.
- The faculty member Dr. V. A. Chaudhari is reviewer of Materials Chemistry and Physics, Elsevier Journal.
- The faculty member Dr. V. A. Chaudhari is invited as a Resource Person in National Conference Recent Trends in Thin Film Technology (RTTFT-2010)" at Jijamata College of Science and Arts, Bhende, Dist. Ahmednagar.
- Dr. V. D. Mote is working as a NSS Officer.
- The faculty member Dr. V. D. Mote as life member of materials research Society of India.

7.   Courses in Collaboration with other universities, industries, foreign institution, etc:

- The Ph.D., M. Phil., Research work of our department faculty member is in collaboration with the following departments:

➢   Advanced materials research Lab., Dept. of Physics, Dr. B. A. M. U. Aurangabad.

➢   Centre for Materials for Electronics Technology(C-MET) HCL (PO), Hydrabad.

➢   Tata Institute of Fundamental Research, Mumbai.

8.   Details of course / program discontinued (if any) with reasons:-   Nil

9.   Number of teaching posts:

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	01	01
Assistant Professors	02	02
CHB	05	05

10.   Faculty profile with name, qualification, designation, specialization, (D.Sc./D.lit./Ph.D./M. Phil. Etc):

Sr. No.	Name	Qualification	Designation	Specialization	Experience	No. of Ph.D. Students guided for the last 4 years
1.	Prof. K. N. Rathod	M.Sc Phy., B.Ed	H.O.D. and Asso. Professor	Electronics, Digital Electronics, Microprocessor	33 Yrs.	Nil
2.	Dr.V.A. Chaudhari	M.Sc Phy., Ph.D.	Assistant Professor	Material Science (Solid State Physics)	4 Yrs.	Nil
3.	Dr. V. D. Mote	M.Sc Phy., Ph.D.	Assistant Professor	Solid State Physics, Materials Science, nanomaterials, superconductors, multferroics.	1 Yrs.	Nil
4.	Dr. A.V. Patil	M.Sc Phy.,	CHB	Nuclear Physics.		Nil

		Ph.D.				
5.	Miss. R.A. Kunale	M.Sc Phy.,	CHB	Solid State Physics		Nil
6.	Mrs. S. M. Shrimangale	M.Sc Phy.	CHB	Materials Science		Nil
7.	Shri. S. D. Pawar	M.Sc Phy.	CHB	Electronics		Nil
8.	Miss. P. M. Dalvai	M.Sc Phy.	CHB	Astrophysics		Nil

11. List of senior visiting faculty: Nil

12. % of lectures delivered and practical classes handled (programme wise) by temporary faculty: 10%

13. Student-Teacher Ratio (programme wise): 38:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
    1. Lab. Assistant- 01 Sanitation and Filled -01
    2. Lab. Attendant- 02 Sanitation and Filled -01

15. Qualifications of teaching faculty with D.Sc/D.Lit/Ph.D/M.Phil/PG:
    i. Ph.D: 03
    ii. M.Phil: Nil
    iii. P.G.:04

16. Number of faculty with ongoing projects from a) national b) international funding agencies and grants received:- Nil

17. Department projects funded by DST-FIST, UGC, DBT, ICSSR etc and total grants received:- Nil

18. Research centre / faculty recognized by the university: Yes, Under Processing.

19. Publications:
    a) Publication per faculty
        i. Prof. K. N. Rathod:02
        ii. Dr. V. A. Chaudhari:28
        iii. Dr. V. D. Mote: 40
        iv. Dr. A.V. Patil: 18
    b) Number of papers published in peer reviewed journals (national /

international) by faculty and students

i.　　　National : Prof. K. N. Rathod :01
ii.　　　International : a) Prof. K. N. Rathod : 01
　　　　　　　　　　　　　　b) Dr. V. A. Chaudhari : 05
　　　　　　　　　　　　　　c) Dr. V. D. Mote :25

➢　　Number of publications listed in international Dadabase (For Eg: Web of Science. Scopus, Humanities international Complete, Dare Database: international Social Science Directory, EBSCO host, ets)

- Monographs　　　　　　　:-　　　　　　　　　　　　Nil
- Chapter in Books　　　　　:-　　　　　　　　　　　　Nil
- Books Edited　　　　　　:-　　　　　　　　　　　　Nil
- Books with ISBN/ISSN numbers with details of publishers:-　　02
- Citation index　　　　　　:-　　　　　　　　　　　　45
- SNIP　　　　　　　　　:-　　　　　　　　　　　　Nil
- SJR　　　　　　　　　　:-　　　　　　　　　　　　Nil
- Impact factor　　　　　　:-　　　　　　　　　　　　4.02
- h-index　　　　　　　　:-　　　　　　　　　　　　03

20.　Areas of consultancy and income generated:

21.　Faulty as members in:

a)　　National:-　　a) Prof. K. N. Rathod is life member of IAPT (Indian Association of Physics teachers).
　　　　　　　　　b) Dr. V. D. Mote: Materials Research Society of India
b)　　International:- Nil
c)　　Editorial Boards:- Nil

22.　Students projects

a)　　% of students who have done in-house projects including inter departmental / Programme: Nil

b)　　% of students placed for projects in organizations outside the institution i.e. in research laboratories / industry / other agencies: Nil

23.　Awards / recognitions received by faculty and students:
i)　　**Prof. K. N. Rathod:** Awarded as Best Officer In DCAO by Vice-Chancellor of Dr. B. A. M. University, Aurangabad. Awarded as **Best JCS** in Examination by S. R. T. M. U. Nanded.

ii)　　**Dr. V. A. Chaudhari:** Felicitated by Lieutenant Rank after successful

completion of Army training during 03 July to 29 Sept. at OTA Kamptee. **Best Pilot** award during Army training (03 July to 29 Sept.) at OTA Kamptee.

iii)   **Dr. V. D. Mote:** Golden Jubilee Junior Research Fellowship awards, Dept. of Physics, Dr. B. A. M. University Aurangabad.

24.   List of eminent academicians and Scientists / visitors to the department:

1. Dr. Anil Kakodkar (Bhaba Atomic Research Center, Mumbai)
2. Dr. Banarji (Bhaba Atomic Research Center, Mumbai)
3. Dr. J.R. Bandekar (Bhaba Atomic Research Center, Mumbai)
4. Dr. Kirti Bapat (Bhaba Atomic Research Center, Mumbai)
5. Dr. S.P. Kale (Bhaba Atomic Research Center, Mumbai)
6. Dr. S.F. Desuza (Bhaba Atomic Research Center, Mumbai)
7. Dr. S.T. Jambulkar (Bhaba Atomic Research Center, Mumbai)
8. Dr. C.G. Utge (Bhaba Atomic Research Center, Mumbai)
9. Dr. K.R.S. Chandrakumar (Bhaba Atomic Research Center, Mumbai)
10. Dr. Udge C.G. (Bhaba Atomic Research Center, Mumbai)
11. Dr. Jayant Narlikar (Pune University Pune)
12. Dr. Sujata Bhargav (Pune University Pune)
13. Dr. S.A. Katre (Pune University. Pune)
14. Dr. Chetan Gadgil (National Chemical Laboratory, Pune.)
15. Dr. M. K.Dongar (National Chemical Laboratory,Pune)
16. Dr. B. B.Idge (National Chemical Laboratory,Pune)
17. Dr. P. P.Wadgonkar (National Chemical Laboratory,Pune)
18. Dr. S. P.Chavan (National Chemical Laboratory,Pune)
19. Dr. S. B.Umbarkar(National Chemical Laboratory,Pune)
20. Dr. U. R.Kalkote(National Chemical Laboratory,Pune)
21. Dr. N.T.Patil (Indian Institute of Chemical Technology, Hyderabad)
22. Dr. A. K. Pani (Indian Institute of Technology, Mumbai.)
23. Dr. Shashikant Phadtare (U.S.A.)
24. Dr. K.V. Zipare (R.J. College, Akkalkot)
25. Dr. V.Balram (Chief Scientist & head,NGRI Hydrabad.)
26. Dr. B.N. Joshi (Gulbarga Uni.Gulbarga)
27. Dr. Dhananjay Raval (Ankur Hobby Centre, Ahmadabad)
28. Dr. B.P.Bandgar(Vice Chancellor,Solapur University,Solapur)
29. Dr. N.N.Maldar(Vice Chancellor,Solapur University,Solapur)
30. Dr. R.N.Sirsat (Goa University, Panjim)
31. Dr. S.D.Delekar(Kolhapur University , Kolhapur)
32. Dr. Dhananjay Sabade(Sutchem,Ahemadabad)
33. Dr. B.H.Mehta (Mumbai University, Mumbai)
34. Dr. Mane R.B.(Kolhapur University Kolhapur)

25.   Seminars / Conferences / Workshops organized and the source of funding:

       a)   National:-

       1)   One day seminar on "Impact of IT on Formal Education Retrospective Approach" 19 February 20111

       2)   UGC and DES latur organized "Motivational Bridge Course in Mathematics method" 1st-26th June 2010.

       3)   Two days state level workshop on "Physics Education at Graduate Level: A Scientific Approach to Crisis and Remedial Solution" 5th – 6th Dec.2009.

       b)   International:-

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	180	162	93	69	76.79%
B.Sc. IInd Year	105	98	56	42	76.23%
B.Sc. IIIrd Year	50	46	19	27	95.65%
M. Phil.	--	--	--	--	--
Ph. D.	--	--	--	--	--

*M=Male F=Female

➢   Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	150	135	75	60	--
B.Sc. IInd Year	100	87	50	37	--
B.Sc. IIIrd Year	73	73	42	31	--
M. Phil.	--	--	--	--	--
Ph. D.	--	--	--	--	--

*M=Male F=Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	00
B.Sc. IInd Year	100%	00	00
B.Sc. IIIrd Year	100%	00	00
M. Phil.	100%	00	00
Ph. D.	100%	00	00

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-

> ➢   No any information is Available

29.   Student progression:

Student progression	Against % enrolled
UG to PG	60%
PG to M. Phil.	05%
PG to Ph.D.	05%
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	05% 10%
Entrepreneurship/Self-employment	15%

30.   Details of Infrastructural facilities:

   a)   Library:-
         Departmental Library :- 138,
         Central Library :-10425,
          Journals/Periodicals:- 02
   b)   Internet facilities for Staff & Students:- 05
   c)   Class rooms with ICT facility:- 01
   d)   Laboratories:- Dark Room-01, BG Room – 01 & General Lab. – 01,
         Electronic Lab – 02, Research Lab – 01, Thin film Lab – 01.

31.   Number of students receiving financial assistance from college, university, government or other agencies:-

> ➢   03 students get SHE scholarships for higher Education from DST New Delhi.

32.   Details on student enrichment programs (special lectures /   workshops / seminar) with external experts:-

> ➢   The seminar arranged for the students in the college for the preparation of IIT-JAM, Competitive Exam in Physics & research institute.
> ➢   The special lectures are arranged by the Professors for new syllabus, advance learning & personal developments.
> ➢   The special Lecture is arranged on the B.Sc. New syllabus.

33.   Teaching methods adopted to improve student learning:-

> ➢   The department follows interactive sessions, group discussion, seminar etc. All staff members use computer skill to manage power point presentation in teaching/learning. Apart from the normal lecture

deliver method, students are asked to prepare for a lecture on a specified topic and asked to deliver the same in a couple of day.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:- NCC, NSS and Cultural programs.
1) Prof. K. N. Rathod worked as P.O. in NSS for 09 year.
2) Prof. V. D. Mote working as P.O. since from last year.
3) Dr. V. A. Choudhari working as NCC officer.

35. SWOT analysis of the department and Future plans:-

1. Strength:-
➢ The faculty member of the department is actively engaged in the research, presented research papers in different countries in the international conferences.
➢ Demand ratio of students for Physics is very high.
➢ Laboratory is well equipped with all types of Physics.
➢ The result is 90%.
➢ Freedom to teachers by the Principal and management for the development in subject.
➢ Number of students in Physics, Material Science & Nano technology. maximum as compare to other Colleges in the university.

2. Weakness:-
➢ This area can not attract international students.
➢ Students less inclination to adopt new methods of learning.
➢ Financial Weakness of students.

3. Opportunities:-
➢ Increasing the interest of students in Research field.
➢ To develop the international research centre.
➢ To attract the foreign student toward this department for UG to Ph. D.
➢ Good opportunities in the abroad & private sector.

4. Challenges:-
➢ Increasing awareness amongst the students about research to solve the medical problems of the society.
➢ Increasing awareness amongst the students about research to solve the electricity problems of the society.

5. Future plans:-
➢ To start the PG course in Physics.
➢ To start the international Research centre in Physics department.
➢ To take the various projects in Physics for the students and teachers.
➢ To publish the national & international journal in Physics, material sciences, physical chemistry, nano materials, electronics etc.

➢ To take the national & international conference on Condensed matter physics, material science, nano technology etc.
➢ Development of Physics laboratories.
➢ Organize National /International Seminars/workshops.
➢ Develop a strong network with other institutions.
➢ Commencing Higher studies in research institute.
➢ Undertaking minor/major research projects.
➢ Organize guest lectures and seminars.

Evaluation Report of the Department of Chemistry

1.   Name of the department   :-   Chemistry

2.   Year of Establishment   :-   15-06-1961

3.   Names of Programs / Courses offered (UG, PG):-

   i.   UG (B.Sc. Ist, IInd, IIIrd year)
   ii.   M.Sc.(Ist, IInd year) Organic Chemistry
   iii.   Career oriented course in Drug analysis

4.   Names of Interdisciplinary courses and the departments/units involved:- Nil

5.   Annual/ semester/choice based credit system (program wise):-

   ➢   Semester system – S.R.T.M.U. Nanded.
   ➢   Internal Theory exams.
   ➢   Assignments/ Internal MCQ pattern examinations.

6.   Participation of the department in the courses offered by other departments:-

   ➢   The faculty member Mr Sarnikar Y P Guides the students of B.Sc. for JAM and M.Sc. for NET, SET, GATE etc.
   ➢   The faculty member Mr Sarnikar Y P invited for guest lecture for the syllabi of M.Sc. Chemistry at S.C.S. College, Omerga.
   ➢   The faculty member Mr Sarnikar Y P invited for guest lecture for the remedial classes of B.Sc. Chemistry at Shivaji College, Nilanga.
   ➢   The faculty member Mr Sarnikar Y P invited for guest lecture for the syllabi of H.S.C. Chemistry at Shivjagruti College, Nalegaon.
   ➢   The faculty member Mr Sarnikar Y P is a member of Latur Science Center.

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:-

   ➢   The Ph.D., M. Phil., Research work of our department faculty member is in collaboration with the following departments.
   ➢   Department of Chemistry.Yeshwant College, Nanded.
   ➢   DSM College, Parbhani.
   ➢   SCS College, Omarga.
   ➢   Maharashtra Pollution Control Board, Mumbai.

8.   Details of courses/program discontinued (if any) with reasons :- Nil

9.   Number of teaching posts:

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	06	06
CHB	10	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):

Name	Qualification	Designation	Specialization	Total Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Y. P. Sarnikar	M.Sc.B.Ed. NET	H.O.D. and Asst.Prof	Inorganic Chemistry	14 Years	NIL
Mr. S. N. Ibate	M.Sc.	Asst.Prof	Physical Chemistry	19 Years	Nil
Dr. Mrs. N.S. Korde	M.Sc.,SET M.Phil., Ph.D.	Asst.Prof	Physical Chemistry	14 Years	Nil
Dr. N. A. Kedar	M.Sc. M. Phil., Ph.D.	Asst.Prof	Organic Chemistry	19 Years	Nil
Mr. J. A. Angulwar	M.Sc.,SET	Asst.Prof	Organic Chemistry	07 Years	Nil
Mr R. S. Shinde	M.Sc.,B.Ed., SET	Asst.Prof	Organic Chemistry	07 Years	Nil

11. List of senior visiting faculty:-

   1)   Dr. B. H. Mehta, Mumbai University, Mumbai.
   2)   Dr. N. N. Maldar, Solapur University, Solapur.
   3)   Dr. B. P. Bandgar, Solapur University, Solapur.
   4)   Dr. R. N. sirsat, Goa University, Goa.
   5)   Mr. Y. D. Mane, Shivaji College, Omerga.
   6)   Dr. K. P. Hawal, Dr. B A M U Subcenter, Osmanabad.
   7)   Mr. R. M. Tigote, Dr. B A M U Subcenter, Osmanabad.
   8)   Dr. S. D. Delekar, Kolhapur University, Kolhapur.
   9)   Dr. S. B. Joshi, Udaygiri College, Udgir.
   10) Dr. S. S. Hallale, Udaygiri College, Udgir.
   11) Dr. Hemant Chavan, Mumbai University Subcenter, Ratnagiri.
   12) Dr. S.B. Patwari, LBS College, Dharmabad.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:- 20%

13. Student -Teacher Ratio (programme wise):- 52:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:-

   ➢ Laboratory Assistant : 02
   ➢ Laboratory Attendant : 04

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-

   i. Ph.D. – 02
   ii. M. Phil.- 02
   iii. P.G. - 04

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:- ONE-sanction by UGC

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:-

   ➢ Mr. R S Shinde- Minor Research Project- UGC Grant received- 1,35,000/- and complited.
   ➢ Mrs. N S Korde- Minor Research Project- UGC Grant received- 2,00,000/- and complited.
   ➢ Dr. N A Kedar, Major Research Project- UGC Grant received- 10,50,800/- on going.

18. Research Centre /facility recognized by the University:-

   ➢ Applied for research center

19. Publications:

   a) Publication per faculty:-

Name of Faculty	National	International
Mr. Y. P. Sarnikar	01	01
Mrs. N. S. Korde	01	02
Mr. R. S. Shinde	01	01

   ➢ Number of papers published in peer reviewed journals (national / international) by faculty and students:

   1. National :- 03
   2. International :- 04

   ➢ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Monographs   :-   Nil
- Chapter in Books   :-   Nil
- Books Edited   :-   Nil
- Books with ISBN/ISSN numbers with details of publishers:-   Nil
- Citation Index   :-   20
- SNIP   :-   Nil
- SJR   :-   Nil
- Impact factor   :-   0.33
- h-index   :-   1.2

20. Areas of consultancy and income generated:-   Nil

21. Faculty as members in:-

    a) National committees: - 1. Mr. Y P Sarnikar
    ➢ Member of Indian Science congress.
    b) International Committees:- Nil
    c) Editorial Boards:- Nil

22. Student projects:-

    a) Percentage of students who have done in-house projects including inter departmental /programme :- 100% (For PG students)
    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- 05%

23. Awards/ Recognitions received by faculty and students:-
    ➢ Dr. N A Kedar is awarded by "Rajershi Shahu Award"

24. List of eminent academicians and scientists/ visitors to the department:-

    1. Dr. B.P. Bandgar (Vice Chancellor,Solapur University ,Solapur)
    2. Dr. N.N. Maldar (Vice Chancellor,Solapur University ,Solapur)
    3. Dr. M.K. Dongar (Sr.Scientist ,NCL Pune)
    4. Dr. N.T. Patil (Sr.Scientist ,IICT Hydrabad)
    5. Dr. B.B. Idge (Sr.Scientist ,NCL Pune)
    6. Dr. R.N. Sirsat (GoaUniversity Panjim)
    7. Dr. P.P. Wadgonkar (Sr.Scientist ,NCL Pune)
    8. Dr. S.P. Chavan (Sr.Scientist ,NCL Pune)
    9. Dr. S.B. Umbarkar (Sr.Scientist ,NCL Pune)
    10. Dr. U.R. Kalkote (Sr.Scientist ,NCL Pune)
    11. Dr. S.D. Delekar (Kolhapur University , Kolhapur)
    12. Dr. C.G. Udge (BARC,Mumai)
    13. Dr. Dhananjay Sabade (Sutchem,Ahemadabad)
    14. Dr. Shashikant Phadtare (U.S.A.)
    15. Dr. B.H. Mehta (H.O.D.Mumbai University ,Mumbai)
    16. Dr. R.B. Mane (Kolhapur University , Kolhapur)

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

  a) National:- 01
  ➢ Department of Chemistry has successfully organized a national Seminar on "Eco-friendly Synthesis of Organic Compounds" on the date 04 and 05 November, 2011.
  ➢ Funding from UGC, Institution of college.

  b) International:- Nil

26.   Student profile programme /course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	210	189	114	75	68.20%
B.Sc. IInd Year	154	154	96	58	96.73%
B.Sc. IIIrd Year	79	79	41	38	94.93%
M. Sc. I	45	30	15	15	80%
M. Sc. II	24	24	17	07	74%
COC Course in Drug Analysis	15	15	08	07	--

  *M=Male F=Female

➢ Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	314	210	114	96	--
B.Sc. IInd Year	103	103	67	36	--
B.Sc. IIIrd Year	122	122	77	45	--
M. Sc. I	86	36	13	23	--
M. Sc. II	22	22	11	11	--
COC Course in Drug Analysis	15	15	15	0	--

  *M=Male F=Female

27.   Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	00
B.Sc. IInd Year	100%	00	00
B.Sc. IIIrd Year	100%	00	00
M. Phil.	100%	00	00
M. Sc. I	100%	00	00
M. Sc. II	100%	00	00
COC Course in Drug Analysis			

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-
    36 Students (list is attached)

- List of NET/SET qualified students

Sr. No	Name of the candidate	NET/SET
1.	Dr.Patil Mahesh	NET
2.	Ambhore Ajay N.	NET
3.	Miss.Gaikwad Vaishali H.	NET
4.	Kulkarni Pramod	NET&SET
5.	Waghamare Amit	NET
6.	Shinde Ravindra S.	SET
7.	Jawale Balaji H.	SET
8.	Bondhar Dhananjay	NET/SET
9.	Bondage Abhaya	SET
10.	Acharya Ashok	NET
11.	Deshmukh Balasaheb	NET
12.	Dr.Bavikar Sudhir	NET/SET
13.	Kondekar Narendra	NET/SET
14.	Haval Kishan	NET/SET
15.	Dr.Durugkar Kulbhushan	NET/SET
16.	Todiwale Ismile	NET
17.	Patil N.G.	NET/SET
18.	Sonwane DiliP	NET
19.	Suryawanshi Dayan and	NET
20.	Surwase Santosh M.	NET/SET
21.	Sarnikar yuvaraj P.	NET
22	Kamble Dhanraj P.	SET&NET
23	Mane Yogesh D.	SET&NET GATE-All India rank –III
24	Motegaonkar Shivraj	NET&SET
25	Kharatmol R.M.	NET-CSIR
26	Jadhav Vivek	NET-CSIR
27	Mahmane Tukaram	NET-CSIR
28	Ankush Bhaskar P.	NET-LS
29	Pawar Mithun	NET-CSIR
30	Mendhekar Kishor	NET-CSIR
31	Bagal Santosh B.	NET
32	Pawar Prakash	NET
33	Dhobale Amar	NET
34	Kale Ajay	NET
35	Kore Dayan and	NET
36	Kumdale Prashant G.	NET
37	Munde Tukaram	NET
38	Kendre Anita	SET

29.   Student progression.

Student progression	Against % enrolled
UG to PG	70
PG to M. Phil.	05
PG to Ph.D.	05
Ph.D. to Post-Doctoral	00
Employed	10
• Campus selection	05
• Other than campus recruitment	05
Entrepreneurship/Self-employment	10

30.   Details of Infrastructural facilities

a) Library
Central Library Books:- 3189
Departmental Library Books:-170
Journals/Periodicals:- 05
b) Internet facilities for Staff & Students:-
Students- Computers02, Staff- 02 Computer
c) Class rooms with ICT facility:- 01
d) Laboratories:- 06

31.   Number of students receiving financial assistance from college, university,
government or other agencies:-
Inspire 03, NGO 01, GOI &EBC from govt.

32.   Details on student enrichment programs (special lectures / workshops /
seminar) with external experts:-

➢   NET/SET coaching classes arranged by dept. for M.Sc. Students.
➢   Guest lecture series arranged per year.
➢   Remedial coaching given to weaker students.
➢   Seminars for each students arranged for M.Sc. students

33.   Teaching methods adopted to improve student learning:-

➢   The department follows interactive sessions, group discussion etc. All
staff members use computer skill to manage power point presentation
in teaching/learning. Apart from the normal lecture deliver method.
➢   Students are ask to prepare for a lecture on a specified topic and asked
to deliver a seminar after two days.
➢   Projects topics are given to students and same project carried out in the
laboratory.
➢   ICT facilities provided for UG &PG Students.
➢   Late H.N. Suresh science quiz competition conducted in annual social
gathering.

> On first day of the practical, information's about safety and rules & instructions of dept. given to students.

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:-

> Department helps to several rural colleges for the development of science and laboratories.

35.   SWOT analysis of the department and Future plans:

1.   Strength:
> Large number of students qualified NET-CSIR/SET examination
> Maximum number of guest lecturers arranged by the department per year.
> Many of the students complete their Ph.D. from CSIR laboratories & Post doctorate from abroad.
> Our three alumni working as a Sr. scientist in National Chemical Laboratories (NCL), Pune.
> PG students completes projects in our laboratories.
> Separate budget sanction by society (Rs.2000/-Per student) for project per year for PG students.
> Department helps to many other colleges from rural area their developments.
> The faculty member of the department is actively engaged in the research, presented research papers in different national/state level seminars & conferences.
> All permanent faculties registered for Ph.D.
> Demand ratio of students for chemistry is very high.
> Laboratory is well equipped with all types of major equipments.
> The result is always more than 80%.
> Freedom to teachers by the Principal and management for the development in subject.
> Number of students in chemistry maximum as compare to other Colleges in the university.
> Our quota, along with 10% additional quota fulfilled per year for UG & PG.

2.   Weakness:
> Department is unable to provide analysis facilities like NMR, IR, Mass spectra, TG, DTA etc.
> Financial Weakness of student.

3.   Opportunities:
> Increasing the interest of students in Research through projects.
> Department may starts job oriented courses according to industrial need in this area or state.

➢   To develop advanced research centre.
➢   To attract the foreign student toward this department for UG to Ph. D.
➢   Good opportunities in the private sector.

4.   Challenges:
➢   Increasing research facilities comparable to CSIR & other national laboratories.
➢   Writing books & develop new models for as chemistry teaching aids

5.   Future plans:
➢   To start the PG course in physical chemistry.
➢   To start the Research centre in Chemistry department.
➢   To apply for projects in Chemistry for the students and teachers.
➢   To publish the research papers in international journals.
➢   To take the international conference in chemistry.
➢   Improvement in laboratory sefty.
➢   Organize National /International Seminars/workshops.
➢   Develop a strong network & MOU with other institutions.
➢   Undertaking minor/major research projects.
➢   Organize guest lectures and seminars.

Evaluation Reports of the Department of Mathematics

1.   Name of the department   :-   Mathematics

2.   Year of Establishment   :-   15-06-1961

3.   Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

    i.   UG (B.Sc. Ist, IInd, IIIrd year)
    ii.   M. Phil.
    iii.   Ph.D.
    iv.   MATLAB training course (COC- UGC)

4.   Names of Interdisciplinary courses and the departments/units involved:

    ➢   Department of Microbiology and Mathematics for MATLAB-laboratory.
    ➢   Department of Computer Science, BCS for the interdisciplinary courses.
    ➢   Department of Physics and Mathematics for the Research.

5.   Annual/ semester/choice based credit system (program wise):-

    ➢   UG – Semester.
    ➢   MATLAB - Annual.

6.   Participation of the department in the courses offered by other departments:-

    ➢   The faculty member Dr. S.S. Bellale Guides to the students of Ph. D. and M. Phil. of the Department of Mathematics SRTM University, Nanded
    ➢   The faculty member Dr. S. S. Bellale is in the panel referee of Ph.D., M. Phil. thesis evaluation of department of Mathematics Karnataka University, Dharwad.
    ➢   The faculty member Dr. S.S. Bellale appointed as external examiner of three students for viva-voce examination of Ph. D. Degree.
    ➢   The faculty member Dr. S.S. Bellale invited as guest lecturers for the syllabi of M.Sc. Mathematics, Basweshwer College, Latur.

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:-

    •   The Ph.D., M. Phil., Research work of our departmental faculty member is in collaboration with the following departments.

    ➢   Department of Mathematics Florida institute of technology, U.S.A.

- ➤ Department of Mathematics Aligarh Muslim University, Aligarh.
- ➤ Department of Mathematics Karnataka University, Dharwad.
- ➤ School of Mathematics, SRTMU Nanded.
- ➤ Department of Mathematics, Ionnia University, Greece.
- ➤ Mathematics Research Centre, MGM Ahmedpur, Latur.
- ➤ Mathematics Research centre, Pt. Ravishankar University, Chattisgad.
- ➤ Department of Mathematics, Dr. BAMU, Aurangabad.
- ➤ Department of Mathematics BITS P.lani.

8.   Details of courses/program discontinued (if any) with reasons:- Nil

9.   Number of Teaching posts

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	02	02
CHB	00	00

10.   Faculty profile with name, qualification, designation, specialization,
        (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S. S. Bellale	M.Sc. B.Ed. Ph.D.	H.O.D. and Asst. Prof	Differential Equations, Numerical Analysis, Real Analysis, Mechanics, Topology	7 Years	04
Mr.V.D. Gaikwad	M.Sc. M. Phil.	Asst. Prof	Algebra, Differential Equations, Geometry,	08 Years	Nil
Mrs.S.B. Birajdar	M. Sc. B. Ed.	CHB	MATLAB, Algebra Topology, Number them.	06 Years	Nil
Shri. M.S. Shaikh	B.Com. MS-CIT,	Computer Operator	PageMaker Typing, Microsoft Word Typing , Microsoft Excel & Microsoft Power point Typing.	05 Years	NA

11.   List of senior visiting faculty:- Nil

12.   Percentage of lectures delivered and practical classes handled (programme
        wise) by temporary faculty:- Nil

13.   Student -Teacher Ratio (programme wise):- 120:1

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:- 01

15.   Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-

    i.   Ph.D. – 01
    ii.   M. Phil.- 01
    iii.   P.G. - 01

16.   Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:-
    a)   National:- 01
    b)   International:- Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:-

    ➢   Dr. S. S. Bellale:- Major Research Project- UGC Grant received- 4,65,000/-

18.   Research Centre /facility recognized by the University:- No

19.   Publications:

    a)   Publication per faculty:-
    ➢   Dr. S.S. Bellale:-   42

    b)   Number of papers published in peer reviewed journals (national / international) by faculty and students:

    ➢   National:-   07
    ➢   International:- 04

    c)   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)
    •   Monographs:-   Nil
    •   Chapter in Books:-   10
    •   Books Edited :-   01
    •   Books with ISBN/ISSN numbers with details of publishers:-   01
    •   Citation Index :-   24
    •   SNIP:- :-   Nil
    •   SJR:-   Nil
    •   Impact factor :-   2.6
    •   h-index :-   03

20.   Areas of consultancy and income generated:- Nil

21.   Faculty as members in:

    a)   National committees:-

    1)   Dr. S. S. Bellale
    ➢   Member of the Indian Mathematical Society.
    ➢   Member of Marathwada Mathematical Society.
    ➢   President of Balaghat Mathematical Sciences Development Society
    ➢   Secretary of Godawari Mathematical Society,
    ➢   Member of Indian Science congress**.**

    2)   Mr. V.D. Gaikwad.
    ➢   Member of Marathwada Mathematical Society.

    b)   International Committees:-

    1)   Dr. Bellale S. S.
    ➢   Member of Nonlinear Analysist Society.

    c)   Editorial Boards:-

    1)   Dr. Bellale S. S.
    ➢   Member of Editorial Board of Global Journal of Mathematics.
    ➢   On Editorial Board of Journal of South Asian Studies.

22.   Student projects

    a)   Percentage of students who have done in-house projects including inter departmental/programme:- Nil
    b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- Nil

23.   Awards/ Recognitions received by faculty and students:-

    1)   Dr. S. S. Bellale
    ➢   Dr. Bellale S. S. is awarded with "Adarsh Shikshak Purskar", from Marathwada Social well fear Office, Aurangabad in Marathwada region, 02 March 2009.
    ➢   Dr. Bellale S. S. is awarded with "KAI Sadashivrav Guruday Smaruti Purskar 2010".
    ➢   Dr. Bellale S. S. is awarded with "Adarsh Shikshak Purskar", from Ratrwadi teacher Society, 05 Sept 2012

24.   List of eminent academicians and scientists/ visitors to the department:-
    ➢   Vice-Chancellor Dr. S. B. Nimse, scientist in Fuzzy logic.
    ➢   The well known Mathematician Dr. B. C. Dhage.

- ➢ Dr. S.S. Benchalli, H.O.D. Mathematics of Karnatka University of Dharwad.
- ➢ Dr.S.N. Salunke, Director of Mathematics research centre SRTMU Nanded.
- ➢ Dr. R. M. Dhaigude, Director of Mathematics Centre, Dr. BAMU Aurangabad.
- ➢ Dr. P. Sundaram, Pollachi College, Pollachi Kerala.
- ➢ Dr. D.S. Palimkar, V.N. College, Nanded.
- ➢ Dr. R.N. Ingle Wasmat College, Wasmat.
- ➢ Dr. B.D. Karande, U.M. Udgir.

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

- a)   National:- 01
- ➢ Department of Mathematics has successfully organized a stat level Seminar on "Recent Advances in Mathematics" on the date 24 and 25 February, 2012.
- ➢ Funding From UGC, Institution of college.
- ➢ Seminar competition are organized in Department for student.

- b)   International:- Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. Ist Year	182	112	52	60	82.00%
B.Sc. IInd Year	85	85	44	41	91.00%
B.Sc. IIIrd Year	58	58	30	28	100.00%
M. Phil.	02	02	01	01	--
Ph. D.	04	03	02	01	--

*M=Male F=Female

- ➢ Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. Ist Year	213	121	58	63	--
B.Sc. IInd Year	85	92	50	42	--
B.Sc. IIIrd Year	72	72	40	32	--
M. Phil.	05	02	01	01	--
Ph. D.	04	03	02	01	--
MATLAB Course	--	--	--	--	--

*M=Male F=Female

27.   Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	00
B.Sc. IInd Year	100%	00	00
B.Sc. IIIrd Year	100%	00	00
M. Phil.	100%	00	00
Ph. D.	100%	00	00
MATLAB Course	--	--	--

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-
       No any information is Available

29.   Student progression:

Student progression	Against % enrolled
UG to PG	90%
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	05%
Entrepreneurship/Self-employment	05%

30.   Details of Infrastructural facilities:

    a)   Library:-   Departmental Books :- 52,
                       Central Library Books:- 2982
                       Journals/Periodicals:- 02

    b)   Internet facilities for Staff & Students:-
    Students-12 Computers, Staff- 02 Computer

    c)   Class rooms with ICT facility:-   01
    d)   Laboratories:-   01

31.   Number of students receiving financial assistance from college, university, government or other agencies:-   234

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-

➢   A district level seminar competition organized on the Date 24 Jan 2013 in the seminar hall nearly about 32 students participated in the competition; Net cash prize is distributed to the five students.

- "Madhava Mathematics Competition" exam conducted by NBHM nearly about 70 student participated.
- The special lectures are arranged by the Faculty members for remedial class, and for the advance learning.
- The seminar is arranged for the students in the college for the preparation of IIT-JAM under the guidance of Dr. Bonder, Dr. D. S. Palimkar.

33. Teaching methods adopted to improve student learning:-

- The department follows interactive sessions, group discussion etc. All staff members use computer skill to manage power point presentation in teaching/learning.
- Apart from the normal lecture deliver method, students are asked to prepare for a lecture on a specified topic and asked to deliver the same in a couple of day.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:- NSS, Cultural programs

35. SWOT analysis of the department and Future plans:-

   1.   Strength:-
   - The faculty members of the department are actively engaged in the research, presented research papers in different countries in the international conferences.
   - Demand ratio of students for Mathematics is very high.
   - Laboratory is well equipped with all types of mathematics software such as MATLAB, Latex, Math-type, Scilab.
   - Freedom to teachers by the Principal and management for the development in subject.
   - Number of admitted students in Mathematics subject maximum as compare to other Colleges in the university.

   2.   Weakness:-
   - This area can not attract international students.
   - High Student ratio per Teacher.
   - Students less interest to adopt new methods of learning.
   - Financial Weakness of students.
   - Government of Maharashtra not have sanctioning the workload for MATLAB practical.

   3.   Opportunities:-
   - Increasing the interest of students in Research.
   - To develop the international research centre.
   - To attract the foreign student toward this department for UG to Ph. D.
   - Good opportunities in the private sector.

4.   Challenges:-
➢   Increasing awareness amongst the students about computer education to solve the Mathematics problems.

5.   Future plans:-
➢   To start the PG course in General Mathematics.
➢   To start the international Research centre in Mathematics department.
➢   To take the various projects in Mathematics for the students and teachers.
➢   To publish the international journal in differential equations.
➢   To take the international conference on nonlinear analysis.
➢   To develop MATLAB.
➢   To organize National /International Seminars/workshops.
➢   To develop a strong network with other Research institutions.
➢   To commencing Higher studies in Industrial Mathematics.
➢   To undertake minor/major research projects.

Evaluation Report of the Department of Botany

1. Name of the department   :-   Botany

2. Year of Establishment   :-   15-06-1961

3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-

    i. UG (B.Sc. I, II, III year)
    ii. UGC-COC (Food Processing)

4. Names of Interdisciplinary courses and the departments/units involved:-
    Nil

5. Annual/ semester/choice based credit system (program wise):- Semester

6. Participation of the department in the courses offered by other departments:-
    Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:-

    ➢ Department organizes guest lectures for C.O.C. (Food Processing) .
    ➢ Department organizes study tours and visit to research centre.

8. Details of courses/program discontinued (if any) with reasons:-   Nil

9. Number of Teaching posts:-

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	02
CHB	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Quali fication	Desig nation	Specia lization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. C.S. Swami	M.Sc., Ph.D.	H.O.D. and Asst. Prof.	Cell Biology, Genetics, Mycology and Plant Pathology	8 Years	Nil

Mr. S.K. Alane	M.Sc., B.Ed., NET	Asst. Prof.	Cell Biology, Genetics, Mycology and Plant Pathology	8 Years	Nil
Miss. S.V. Gaikwad	M. Sc.	Asst. Prof.	Applied Botany	Nil	Nil
Miss. A.A. Dhamangaonkar	M. Sc. B. Ed.	Asst. Prof.	Applied Botany	Nil	Nil

11.   List of senior visiting faculty:-   Nil

12.   Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:- 25 %

13.   Student -Teacher Ratio (programme wise):- 42:1

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:-
   ➢ Laboratory Assistant - 01
   ➢ Laboratory Attendant - 02

15.   Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-

   i.   Ph.D. – 01
   ii.   M. Phil.- Nil
   iii. P.G. - 03

16.   Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:-   Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:-

   ➢   Dr. C.S. Swami completed a Minor Research Project (2011) funded by UGC and received a grant of Rs.75,000/-

18.   Research Centre /facility recognized by the University:-   Nil

19.   Publications:

   a)   Publication per faculty:-

   ➢   Dr. C.S. Swami -   07
   ➢   Mr. S.K. Alane- 02
   ➢   Miss. S.V. Gaikwad- Nil
   ➢   Miss. A.A. Dhamangaonkar- Nil

- ➢ Number of papers published in peer reviewed journals (national / international) by faculty and students

1. National -   06
2. International- 03
   ➢ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Monographs:-   Nil
- Chapter in Books:-   Nil
- Books Edited :-   01
- Books with ISBN/ISSN numbers with details of publishers:-   Nil
- Citation Index :-   Nil
- SNIP:-   Nil
- SJR:-   Nil
- Impact factor :-   --
- h-index :-   --

20.   Areas of consultancy and income generated :- Nil

21.   Faculty as members in:-

a)   National committees: -

➢   Dr. C.S. Swami is Life Member of the Indian Phytopathological Society, New Delhi.

b)   International Committees:-   Nil
c)   Editorial Boards:-

➢   Dr. C.S.Swami is Member of Editorial Board of International Multidisciplinary Referred and Reviewed Research Journal 'Shodhankan', Prathmesh Publication, Ahmednagar.

22.   Student projects:-

a)   Percentage of students who have done in-house projects including inter departmental/programme:-   Nil
b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- Nil

23.   Awards/ Recognitions received by faculty and students:-

➢   Dr.C.S.Swami has been recognized as Research Supervisor by S.R.T.M. University, Nanded.

24.   List of eminent academicians and scientists/ visitors to the department:-

   1)   Principal Dr. Basawraj Morkhande, Aditya College of Food Technology, Beed.
   2)   Dr. Sayyed Rijwan, Aditya College of Food Technology, Beed.

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

   a)   National   :-   Nil
   b)   International   :-   Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Passing percentage
B.Sc. I Year	71	71	41	30	90.0
B.Sc. II Year	35	35	07	28	93.7
B.Sc. III Year	26	26	14	12	88.8
Food Processing (C.O.C.)	17	17	03	14	100.0

   *M=Male F=Female

➢   Student profile programme/course wise: - (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Passing percentage
B.Sc. I Year	83	83	30	53	---
B.Sc. II Year	47	47	28	19	---
B.Sc. III Year	38	38	11	27	---
Food Processing (C.O.C.)	21	21	10	11	---

   *M=Male F=Female

27.   Diversity of Students:-

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I[st] Year	100	--	--
B.Sc. IInd Year	100	--	--
B.Sc. IIIrd Year	100	--	--
Food Processing (C.O.C.)	100	--	--

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-
   Information not available

29.   Student progression:-

Student progression	Against % enrolled
UG to PG	80%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	10% 02% 08%
Entrepreneurship/Self-employment	10%

30.   Details of Infrastructural facilities:-

a)   Library:-
        Central LibraryBooks:- – 5980
        Departmental LibraryBooks: -170
        Journals :-02
b)   Internet facilities for Staff & Students:-
        Two Computers and 1 Laptop along with Broadband internet facility.
c)   Class rooms with ICT facility:- **01**
d)   Laboratories:- The Department is having two spacious laboratories with all infrastructural facilities, one for U.G. Botany and second for C.O.C.(Food Processing).The laboratories are provided with all the necessary equipments along with glassware and basic requirements like running water, electricity, etc. The 'Botany Laboratory' is provided with the Charts, Models, Plant Specimens, Fossil Specimens, Permanent Slides, Camera Lucida , Multiple copies of Dissecting and Compound Microscopes, a Binocular Research Microscope, a Trinocular Research Microscope with Camera, Microtome Machine, Autoclave, Hot Air Oven, Laminar Air Flow, B.O.D. Incubator, Tilak Air Sampler, Electronic Balance, Spectrophotometer, Digital Photoelectric Colorimeter, Centrifuge, Water Distillation Apparatus, pH Meter, etc. 'Food Processing Laboratory' has all the necessary equipments, such as Tray Drying Oven, Deep Freezer, Pulper, Mixer, Juicer and all the Containers required for practical work. LCD projector is also available in the Department and used by the staff in the process of teaching.

31.   Number of students receiving financial assistance from college, university, government or other agencies:-

➢   Miss. Shaikh Ummesalma Abdul Jabbar : DST-INSPIRE Scholarship for Higher Education (SHE).
➢   EBC and GOI Scholarships.

32. Details on student enrichment programs (special lectures/workshops/ seminars) with external experts:-

➢ The special lectures are arranged for COC (Food processing).
➢ Study tours and visits to research centers are arranged.
➢ Special lectures for weaker students.

33. Teaching methods adopted to improve student learning:-
➢ The department arranges students' seminars, group discussions etc. Students are asked to prepare for a lecture on a specified topic and asked to deliver the same in classroom. All staff members use power point presentation in teaching process.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:-

1. Dr. C.S. Swami:-
➢ Examiner in State Level and District Level Science Exhibitions.
➢ Resource Person in the Regional Workshop of National Children's Science Congress.
➢ Co-ordinator for 'Gandhi Vichar Sanskar Pariksha' organized in the College each year by Gandhi Research Foundation, Jalgaon.

2. Prof. S.K. Alane:-
➢ N.S.S. Programme officer for 4 academic years.
➢ Member of Rotary Club for one year.

35. SWOT analysis of the department and Future plans:-

1. **Strength:-**
➢ Highly qualified staff members, who are actively engaged in teaching as well as research**.**
➢ Well- equipped laboratories with all types of equipments and facilities.
➢ Well-established botanical garden.
➢ Organization of study tours and visits to research centers.
➢ Career Oriented Course (Food processing).
➢ Passing Percentage is always more than 70%.

2. **Weakness:-**
➢ No recognized research centre.
➢ High teachers students ratio.

3. **Opportunities:-**
➢ To develop research centre in the subject.
➢ Increasing the interest of students in research.

4.   Challenges:-
- ➢ Increasing awareness among the students about research in plants science.
- ➢ Increasing awareness among the students about biodiversity and its conservation.

5.   Future plans:-
- ➢ To start the PG course in Botany.
- ➢ To start Research centre in the department.
- ➢ To undertake Major and Minor research projects.
- ➢ To organize National seminars and conferences.
- ➢ To organize guest lectures on different aspects of plants science.

Evaluation Report of the Department of Zoology & Fishery Science

1.   Name of the department   :-   Zoology & Fishery science

2.   Year of Establishment   :-   June 1961

3.   Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-

     i.   UG (B.Sc Ist, IInd, IIIrd year)

4.   Names of Interdisciplinary courses and the departments/units involved:- Nil

5.   Annual/ semester/choice based credit system (program wise):-

     ➢   Semester – S.R.T.M.U. Nanded.
     ➢   Internal Theory exams.
     ➢   Assignments/ Internal MCQ exam.

6.   Participation of the department in the courses offered by other departments:- Nil

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:-

     ➢   The department organizes workshops for the students of different colleges with N.G.O.BHOOMI.
     ➢   The department organizes guest lecturers of officials from district fisheries offices.
     ➢   Department organizes study tours and Industry visits for students.

8.   Details of courses/ programme discontinued (if any) with reasons:- Nil

9.   Number of Teaching post:- Zoology

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	02
C.H.B.	0	0

➢   Number of Teaching post:- FISHERY SCIENCE

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	Nil
C.H.B.	1	1

10.   Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualif ication	Design ation	Speciali zation	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. R.V. Solunke	M.Sc.B.Ed. Ph.D.	H.O.D.and Asst.Prof	Helminthology & Pasrasitalogy	14 Years	Nil
Dr. R.V. Kirtane	M.Sc;B.Ed. M.Phil. P.hd.	Asst.Prof	Fishery science	14 Years	Nil
Mr.K.V. Acharya	M. F Sc.	C.H.B.	Fishery science & Fisheries Resource Management	01 Years	Nil

11.   List of senior visiting faculty:-   Nil

12.   Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:-   Nil

13.   Student -Teacher Ratio (programme wise):-
        Zoology :-55:1
        Fishery Science.:- 17:1

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:-
        Lab Assistant :-01
        Lab Attendent :- 02

15.   Qualifications of teaching faculty with D. Sc/ D. Litt/ Ph. D/ M. Phil/PG:-
                i.   Ph.D. – 02
                ii   M. Phil.- 01
                iii P.G. - 01

16.   Number of faculty with ongoing projects from   a) National b) International funding agencies and grants received:-   Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:-   Nil

18.   Research Centre /facility recognized by the University:- No
19.   Publications:-

        a)   Publication per faculty:-
        ➢   Dr. R.V. Solunke -   04

- Dr. R.V. Kirtane   -   01

- Number of papers published in peer reviewed journals (national / international) by faculty and students:-

a)   National:-   01
b)   International:- 05

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.):-

- Monographs:-   Nil
- Chapter in Books:-   Nil
- Books Edited :-   Nil
- Books with ISBN/ISSN numbers with details of publishers:-   Nil
- Citation Index :-   00
- SNIP:-   Nil
- SJR:-   Nil
- Impact factor :-   0.165
- h-index :-   05

20.   Areas of consultancy and income generated:- Nil

21.   Faculty as members in:-

a)   National committees: -   Nil

22.   Student projects:-

a)   Percentage of students who have done in-house projects including inter departmental/programme:-   Nil
b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- Nil

23.   Awards/ Recognitions received by faculty and students:- Nil

24.   List of eminent academicians and scientists/ visitors to the department:-
- Dr. R.M. Sharma   Director Zoological survey of India
- Dr. A. L. Mahabal Former Director ZSI
- The well known Ornithologist Dr. Satish Pandey & Dilip Yardii.
- Director of Biotechnology Dr. Deshpande RGTBT Bharti University Pune.
- Dr. C.B.Powar Eminent Scientist Nagpur.

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

i)   University level workshop: - 01 Department of Zoology has successfully organized a Syllabus workshop on recent trends in the curriculum of zoology at UG level on 25 Sep. 2009.

a)   National conference:-
➢   Department of Zoology has successfully organized a national Conference on "Challenges to Biodiversity Conservations" on 5th and 6th February, 2011 sponsored by UGC.
➢   FIELD ZOOLOGY WORKSHOP- is organized by Department of Zoology & BHOOMI (NGO) for the degree students from different colleges. On 26,27 & 28 October 2012 sponsored by Institution.

b)   International:- Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. I[st] Year	60	53	27	26	88.33%
B.Sc. IInd Year	44	44	28	16	75.00%
B.Sc. IIIrd Year	23	23	08	15	90.47%

*M=Male F=Female

➢   Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. I[st] Year	110	86	37	49	--
B.Sc. IInd Year	23	32	16	16	--
B.Sc. IIIrd Year	22	32	14	18	--
B.Sc. I[st] Year Fishery Sci.	23	17	09	08	--

*M=Male F=Female

27.   Diversity of Students:-

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I[st] Year	100%	-	-
B.Sc. IInd Year	100%	-	-
B.Sc. IIIrd Year	100%	-	-

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :- Nil

29.   Student progression:-

Student progression	Against % enrolled
UG to PG	70%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed Campus selection Other than campus recruitment	20%
Entrepreneurship/Self-employment	10%

30. Details of Infrastructural facilities:-

    a)   Library:
        Central Library Zoology Books:- 1709
        Departmental Library Books:- 70
        Journals/Periodicals Books:- 02
        Fishery Science Books:- 312

    b)   Internet facilities for Staff & Students:-
        Staff-   Computer-01 & Laptop- 01with broadband connectivity.

    c)   Class rooms with ICT facility:-   01

    d)   Laboratories:-   02

31. Number of students receiving financial assistance from college, university, government or other agencies:-   01

32. Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-

    ➢   Seminars & workshops are organized for students.

    ➢   The field zoology workshop & study tours are organized for giving practical knowledge to the students.

    ➢   The special lectures are arranged by the Faculty members for remedial class, and for the advance learning.

    ➢   The Guest lectures from the field of biodiversity are organized to study about the Endangered & rare species of animals.

33. Teaching methods adopted to improve student learning:-

    ➢   The department follows interactive sessions, group discussion etc. All staff members use computer skill to manage power point presentation in teaching/learning. Apart from the normal lecture deliver method, students are asked to prepare for a lecture on a specified topic and asked to deliver the same in a couple of day.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:- NSS, Cultural programs

35.   SWOT analysis of the department and Future plans:-

1.   Strength:-
➢   The faculty member of the department is actively engaged in the research, published research papers in different international and national Journals.
➢   Demand ratio of students for Zoology and Fishery is good.
➢   Laboratory museum is well equipped.
➢   The result is 90%.
➢   Freedom to the faculty by the Principal and management for the development in subject.

2.   Weakness:-
➢   High Student ratio per Teacher.
➢   Students lack awareness in the field of conservation of biodiversity. So there is a problem in attracting them in the subject.
➢   Financial Weakness of students.

3.   Opportunities:-
➢   To inculcate the interest about the knowledge of biodiversity, conservation and challenges.
➢   To develop the interest in research in the field of biodiversity of regional fauna and in the field of aquaculture.
➢   To establish a data center for faunal biodiversity.

4.   Challenges:-
➢   Increasing awareness amongst the students about Aquaculture, Fishery, Fish processing and biodiversity conservation.
➢   To create employment in the field of Aquaculture

5.   Future plans:-
➢   To start the PG course in Zoology (biodiversity).
➢   To start the Fisheries Research centre in Fishery Department.
➢   To take various projects in Zoology (biodiversity) and Fishery Science for the students and teachers.
➢   To organize the international conference on biodiversity and fish biodiversity.
➢   To organize the national conference on Aquaculture.
➢   Development of Aquarium and Museum.
➢   Organize National /International Seminars/workshops.
➢   Develop a strong network with other institutions.
➢   Undertaking minor/major research projects.
➢   Organize guest lectures and seminars.

Evaluation Report of the Department of Microbiology and Biotechnology

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1.   Name of the department   :-   Microbiology and Biotechnology

2.   Year of Establishment   :-   Microbiology - 1980
                                              Biotechnology - 2010

3.   Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-

      i)   UG Microbiology (I, II, III, year)
      ii)   PG Microbiology (I, II year)
      iii)   PG Biotechnology (I, II year)
      iv)   PG Diploma Bioinformatics (I year)
      v)   Ph. D. Research Centre.

4.   Names of Interdisciplinary courses and the departments/units involved:-

➢   Department of Chemistry for chemical activities.
➢   Department of Computer Science for use of computer in Microbiology, Bioinformatics for biological data analysis.
➢   Department of Computer Science for use of computer in Biotechnology (A part of M.Sc. I syllabus).
➢   Department of Botany for analysis plant material.
➢   Department of Mathematics for analysis of statistical data.
➢   Department of Zoology for analysis of animal species.

5.   Annual/ semester/choice based credit system (programme wise):- Semester

➢   Semester – S.R.T.M.U. Nanded.
➢   Internal Theory examinations.
➢   Assignments/ Internal MCQ examination.

6.   Participation of the department in the courses offered by other departments:-

➢   The faculty member Miss. V. A. Diwan guides and teaches the students of B.Pharm.
➢   The faculty member Mr. M. B. Deshmukh is guest lecturer for the department of Microbiology Maharashtra Udaygiri Mahavidyalaya Udgir.
➢   The faculty member Mr. M. B. Deshmukh, Miss. A. G. Siddiqui, Miss. V.A. Diwan, Miss. S.S. Dhutekar and Miss. S.D. Patil are guest invitee for syllabus setting in SRTM university, Nanded.

- ➤ The faculty member Mr. M. B. Deshmukh and Miss. A. G. Siddiqui are in Examination Committee of SRTM university, Nanded.
- ➤ The faculty members Miss. G.A. Kulkarni, Mr. M.B. Kulkarni teach the students of B.Sc. Microbiology.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

- ➤ The Ph.D., M. Phil., Research work of our department faculty members are in collaboration with the following departments

- • Maharashtra Bio.Fertilizers, Latur.
- • MIMSR Medical College, Latur.
- • Tinna Oil Ltd, Latur
- • Maharashtra Udaygiri Mahavidyalaya,Udgir.
- • Shivaji College,Renapur.
- • Govt. Medical College,Latur.

8. Details of courses/programmes discontinued (if any) with reasons:- NIL

9. Number of Teaching posts:-

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors(CHB)	04	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience in Years	Ph.D. Students guided
M. B. Deshmukh	M. Sc. M. Phil.	Associate Professor	Actino mycetes	UG-32 PG-21	NIL
A.G. Siddiqui	M. Sc. NET	Assistant Professor	Gen Microbiology	PG-19 UG-06	NIL
M. D. Lokare	M. Sc.	Assistant Professor	Gen Micro biology	UG-02	NIL
S. S. Dhutekar	M. Sc.	Assistant Professor	Gen Micro biology	PG-08 UG-02	NIL
S. D. Patil	M. Sc.	Assistant Professor	Gen Micro biology	PG-06	NIL
V. A. Diwan	M. Sc.	Assistant Professor	Gen Micro biology	PG-8.5 UG-01 B.Pharm-02	NIL

G. A. Kulkarni	M. Sc.	Assistant Professor	Gen Micro biology	PG-05 UG-05	NIL
M. B. Kulkarni	M. Sc.	Assistant Professor		PG- UG-01	NIL
M. K. Kanekar	M.Sc. Biotech nology	Assistant Professor	Biotechnology, PTC, ATC, industrial biotechnology	PG-02 UG-01	NIL
S.C. Gangawane	M.Sc. Biotech nology	Assistant Professor	Biotechnology	UG-02	NIL

11.   List of senior visiting faculty:-

   ➢   Dr. B.S. Nagoba, MIMSR Medical College, Latur
   ➢   Dr. Ashok Kulkarni, Medicity Medical College, Joginpalli, Hyderabad.
   ➢   Dr. Arun Kharat, Subcenter, Dr. BAMU, Osmanabad.
   ➢   Dr. U.D. Deshpande, Bharati Vidyapith, Pune
   ➢   Dr. S.G. Kulkarni, Head Dept of Biophysics,GIS, Aurangabad
   ➢   Dr. Shiva Aithal, Dept of Microbiology, DSM College, Parbhani
   ➢   Dr. R.S.Awasthi,Principal,Shivaji College,Renapur.
   ➢   Dr. Gulve Ashish, SLS, SRTM, University, Nanded.

12.   Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.

   i)   UG   :- 50%
   ii)   PG   :- 100%

13.   Student -Teacher Ratio (programme wise):-

   i)   B.Sc. :- 18:01
   ii)   M. Sc. :- 04:01
   iii) M.Sc. :- 10:04

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:-

   ➢   Laboratory Assistant- 01
   ➢   Laboratory Attendant- 03

15.   Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
       M. Phil/PG.

   i)   M. Phil   :-   01
   ii)   P.G.   :-   08

iii)　　P.G.　　　:-　　　NET - 01

16.　　Number of faculty with ongoing projects from a) National b) International funding   agencies and grants received:- NIL

17.　　Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:-　　　NIL

18.　　Research Centre /facility recognized by the University:-

➢　　Yes- Recognized by SRTM University, Nanded.

19.　　Publications:-

a)　Publication per faculty:-

Name of Faculty	National	International
Mr. M.B. Deshmukh	-	01
Miss. A.G. Siddiqui	02	01
Miss. S.S. Dhutekar	01	-
Miss. V.A. Diwan	01	-
Miss. S.D. Patil	01	-
Miss. M.D. Lokare	-	-
Mr. M.K. Kanekar	02	-
Mr. S.C. Gangawane	00	00
Miss. G.A. Kulkarni	01	00
Mr. M.B. Kulkarni	00	00

➢　　Number of papers published in peer reviewed journals (national / international) by faculty and students:- 10

➢　　Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

• 　Monographs:-　　　　　　　　　　　　　　　　NIL
• 　Chapter in Books:-　　　　　　　　　　　　　NIL
• 　Books Edited:-　　　　　　　　　　　　　　　NIL
• 　Books with ISBN/ISSN numbers with details of publishers:- NIL
• 　Citation Index :-　　　　　　　　　　　　　　NA
• 　SNIP:-　　　　　　　　　　　　　　　　　　NIL
• 　SJR :-　　　　　　　　　　　　　　　　　　NIL
• 　Impact factor:-　　　　　　　　　　　　　　NA
• 　h-index　　:-　　　　　　　　　　　　　　　NA

20.　　Areas of consultancy and income generated:-

> Consultancy is given in following area, however, it is on informal basis and free of charge.

i)   Microbiological analysis of drinking water
ii)   Antimicrobial activity of research Samples**.**
iii)   Microbiological analysis of well water.
iv)   BOD and COD analysis of well water and industrial effluent.

21.   Faculty as members in:-

a)   National committees:-
i)   Prof M.B. Deshmukh:-
> Member of Indian Science Congress.
> Member of Association of Microbiologists of India

ii)   Miss A.G. Siddiqui:-
> Member of Indian Science Congress.
b)   International Committees:- NIL
c)   Editorial Boards:-   NIL

22.   Student projects:-

a)   Percentage of students who have done in-house projects including inter departmental/programme:- 100 % PG Students.

b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:-
       10% in 2008-09, 5 students placed in vansantdada Institute of Sugar Technology (VSI).

23.   Awards/ Recognitions received by faculty and students:-

24.   List of eminent academicians and scientists/ visitors to the department:-

> Dr. B.S. Nagoba, MIMSR Medical College, Latur.
> Dr. Ashok Kulkarni, Medicity Medical College, Joginpalli, Hyderabad.
> Dr. Arun Kharat, Subcenter, Dr. BAMU, Osmanabad.
> Dr. U.D Deshpande, Bharati Vidyapith, Pune.
> Dr. S.G. Kulkarni, Head Dept of Biophysics,GIS, Aurangabad.
> Dr. Shiva Aithal, Dept of Microbiology, DSM College, Parbhani.
> Dr. R.S. Awasthi, Principal, Shivaji College, Renapur.
> Dr Gulve Ashish, SLS, SRTM, University, Nanded.
> Dr. A. M. Deshmukh Dr. BAMU Subcentre, Osmanabad.
> Dr. P. S. Wakte, BOS Chairman, and Head DSM College Parbhani.
> Dr. S. B. Chincholkar Registrar, North Maharashtra University, Jalagaon.
> Dr. A. B. Chaudhary, School Of Life Sciences NMU, Jalagaon.

➢   Dr. M. K. Ranjekar, Head Dept. of Applied Biology, COE Pune.

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

       a)   National   :-   02 (State Level)
       b)   International   :-   NIL

26.   Student profile programme/course wise:- 2012-2013

Name of the Course/programme (Refer question no.4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I[st] Year	55	49	26	23	71.42
B.Sc. IInd Year	39	39	18	21	87.17
B.Sc. IIIrd Year	21	21	11	10	90.47
M. Sc. I	08	08	03	05	50.00
M. Sc. II	08	08	05	03	38.00
PG Diploma in Bioinformatics	06	06	02	04	33.33

*M=Male F=Female

Student profile programme/course wise:- 2013-2014

Name of the Course/programme (Refer question no.4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I[st] Year	73	63	24	39	--
B.Sc. IInd Year	35	35	22	13	--
B.Sc. IIIrd Year	34	34	15	19	--
M. Sc. I	12	12	03	09	--
M. Sc. II	10	10	03	07	--
PG Diploma in Bioinformatics	03	03	01	02	--

*M=Male F=Female

27.   Diversity of Students:-

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I[st] Year	100	00	00
B.Sc. IInd Year	100	00	00
B.Sc. IIIrd Year	100	00	00
M. Sc. I	100	00	00
M. Sc. II	100	00	00
PG Diploma in Bioinformatics	100	00	00

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr. No	Name of the candidate	NET/SET
1.	Dr. A. P. Pathak	SET
2.	Mr. Suresh Gurwale	SET
3.	Miss. Kalpana Shaha	SET
4.	Dr. Abhijeet Bardapurkar	NET
5.	Miss. Shital Bansode	GATE
6.	Miss. Bhinge	MPSC
7.	Mr. Hande	MPSC
8.	Miss. Jasmin Mulla	IELTS
9.	Mr. Vikrant Upase	IELTS

29.   Student progression:-

Student progression	Against % enrolled
UG to PG	30.00
PG to M. Phil.	NIL
PG to Ph.D.	10.00
Ph.D. to Post-Doctoral	NIL
Employed • Campus selection • Other than campus recruitment	40.00
Entrepreneurship/Self-employment	20.00

30.   Details of Infrastructural facilities:-

      a)   Library:- 01
           Central Library Books:- 2284
           Departmental Library Books:- 112
           Journals/Periodicals Books:- 07

      b)   Internet facilities for Staff & Students:-
           Students Computers- 15   Staff Computers - 03
      c)   Class rooms with ICT facility:-   01
      d)   Laboratories:-   07
    ➢   Bioinformatics   :-   01
    ➢   M. Sc.   :-   03
    ➢   B. Sc.   :-   01
    ➢   Research   :-   01
    ➢   Tissue culture   :-   01
    ➢   Instrumentation   :-   01
    ➢   Store Room   :-   01
    ➢   Staff Room (Teaching):-   01
    ➢   Staff Room (Non-teaching) :- 01

31.   Number of students receiving financial assistance from college, university, government or other agencies:-   135

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:-

➢ NET/SET coaching classes arranged by the department for M.Sc. students.
➢ Guest lecture series arranged per year.
➢ Remedial coaching given to weaker students.

33. Teaching methods adopted to improve student learning:-

➢ The department follows interactive sessions, group discussion etc. All staff members use power point presentation, Over Head Projector in teaching/learning. Apart from the normal lecture deliver method, students are asked to deliver the Seminars on specified topics.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:-

➢ NSS and Cultural Programmes
➢ Pasteur Quality Circle of Department of Microbiology students and teachers.
➢ Animalcules Association of Microbiologists.

35. SWOT analysis of the department and Future plans:-

1.   Strengths:-
➢ Laboratories are well equipped with almost all necessary instruments.
➢ Availability of Internet facility for students and teachers.
➢ Faculty members and PG students are actively engaged in research, presented papers in national, international conferences.
➢ PG department is consistently giving toppers in University merit list.
➢ 90% students are employed in pharmaceutical industries in India.
➢ Some students got employment abroad and doing research there also.
➢ Alumni of this department helps in the placement of the fresh students.
➢ Departmental staff and students are more interactive.
➢ Department provides career guidance to UG and PG students.
➢ Recognized Research centre provides facility for M. Phil. and Ph. D. students.
➢ Guest Lectures are repeatedly arranged.
➢ Departmental library has good collection of books donated by faculty members.
➢ Laboratory is well equipped with all types of software such as MATLAB.

2.   Weaknesses:-
➢ Due to SRTMUN admission policy other state students are less attracted to the PG course.

> ➢ Since PG course is on non grant basis PG teachers are poorly paid and are unable to get university approval.

3.   Opportunities:-
  - ➢ Good opportunities for placement in private and Government Sectors.
  - ➢ Good opportunities for research in collaboration with Government and non government Organization.

4.   Future Plans:-
  - ➢ To expand laboratory facilities to UG, PG and research students.
  - ➢ MOU with still more colleges, national and international research centers.
  - ➢ To apply for major and minor research projects.
  - ➢ To concentrate on paper publications in national and international Journals.
  - ➢ To write articles in books and periodicals.
  - ➢ Work to sustain the interest of students in Microbiology.

Evaluation Report of the Department of Electronics

1.   Name of the department   :-   Electronics

2.   Year of Establishment   :-   15-06-1978

3.   Names of Programs / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-

   - i)   UG (B.Sc Ist, IInd, IIIrd year)
   - ii)   M. Phil.
   - iv)   Ph. D.
   - v)   Mobile Repairs Certificate add-on-course (COC- UGC.)

4.   Names of Interdisciplinary courses and the departments/units involved:-

   - ➢   Department of Physics.
   - ➢   Department of Computer Science, BCS for the interdisciplinary courses.
   - ➢   Department of Physics, Electronics and Mathematics for the Research.
   - ➢   Thin Films & Material Research Laboratory for research students.

5.   Annual/ semester/choice based credit system (program wise):-

   - ➢   Semester – S.R.T.M.U. Nanded.
   - ➢   Internal Theory exams.
   - ➢   Assignments/Internal MCQ exam.

6.   Participation of the department in the courses offered by other departments:-

   - ➢   Dr. J. S. Dargad guides to one Research Fellow in major project sanctioned by U.G.C.
   - ➢   The faculty member Dr. L.V.Thakre Guides the students of Ph. D. and M.Phil. in the Department of Physics/Electronics SRTM University, Nanded.
   - ➢   The faculty member Dr. L.V.Thakre Guides the students of M.Sc. in the Department of Computer Science, Dayanand Science College, Latur.

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:-

   - ➢   The Ph.D., M. Phil., Research work of our department faculty member is in collaboration with the following departments.
   - ➢   National Physical Laboratory, New Delhi.
   - ➢   Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
   - ➢   School of Physical Sciences, SRTMU Nanded.

➢　　The department of Physics/Electronics has linkages with the research centers SRTMUN, Research Centre.

8.　　Details of courses/program discontinued (if any) with reasons:-　　Nil

9.　　Number of Teaching posts:-

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	01	01
Asst. Professors	01	01
CHB	02	02

10.　　Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	o. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. J. S. Dargad	M.Sc. M.Phil. Ph.D.	H.O.D.and Associate Professor	Analog Electronics,Digital Electronics,Communication Electronics,	26 Years	Nil
Dr. L. V. Thakre	M.Sc. (Phy.) (Spl. Elect.) M.Sc.(Comp Sci.), B.Ed. Ph.D. LLM	Asst.Prof	Microprocessors, Microcontrollers, Digital Electronics & LASER's	22 Years (Jr. College) 04 yrs. UGC Teacher)	Waiting for allotment from the University
Mrs. S.A. Mirikar	M. Sc.	CHB	Communication Electronics	03	Nil
Mrs. Shinde	M. Sc.	CHB	Analog Electronics	01	Nil

11.　　List of senior visiting faculty:- Nil

12.　　Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:- B.Sc. practical – 42.42%

13.　　Student -Teacher Ratio (programme wise):- 25:1

14.　　Number of academic support staff (technical) and administrative staff; sanctioned and filled:-

a)   Laboratory Assistant:-   01
b)   Laboratory Attendant:-   01

15.   Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil/PG:-

i)   Ph.D.   :-02
ii)   M. Phil.:- 02
iii)   P.G. :- 02

16.   Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:- Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:-

➢   Dr. J.S. Dargad Major Project from UGC amounting to Rs. 10 lakhs.

18.   Research Centre /facility recognized by the University:- Under Process

19.   Publications:
a)   Publication per faculty:-
➢   Dr. J.S. Dargad   :- 44
➢   Dr. L.V.Thakre   :- 11

➢   Number of papers published in peer reviewed journals (national / international) by faculty and students
1)   National   :-   05
2)   International   :-   04

➢   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

•   Monographs:-   Nil
•   Chapter in Books:-   Nil
•   Books Edited :-   Nil
•   Books with ISBN/ISSN numbers with details of publishers:-   Nil
•   Citation Index :-   30
•   SNIP:-   Nil
•   SJR:-   Nil
•   Impact factor :-   12.25
•   h-index :-   05

20.   Areas of consultancy and income generated :- Nil

21.   Faculty as members in:-

a)　　　National committees: -
i)　　　Dr. J.S. Dargad
➢　　　Member of the Indian Association of Physics Teachers.
➢　　　Member of Indian Science congress.

ii)　　　Dr. L.V. Thakre
➢　　　Member of Indian Association of Physics Teachers.
➢　　　Member of Indian Laser Association.

b)　　　International Committees:-
i)　　　Dr. J.S. Dargad
➢　　　Member of Bos, Electronics, SRTMU, Nanded.
➢　　　Member of faculty of Science, SRTMU, Nanded.

c)　　　Editorial Boards:- Nil

22.　　Student projects:-
　　　a)　　　Percentage of students who have done in-house projects including inter departmental/programme:- 10%
　　　b)　　　Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- 05%

23.　　Awards/ Recognitions received by faculty and students:-
　　　1)　　　Dr. J.S. Dargad
　　　➢　　　Best paper presentation award.

24.　　List of eminent academicians and scientists/visitors to the department:-
　　　　　1. Dr. Sujata Bhargav (Pune University Pune)
　　　　　2. Dr. S.A. Katre (Pune University. Pune)
　　　　　3. Dr. A. K. Pani (Indian Institute of Technology, Mumbai.)
　　　　　4. Dr. Shashikant Phadtare (U.S.A.)
　　　　　5. Dr. K.V. Zipare (R.J. College, Akkalkot)
　　　　　6. Dr. B.N. Joshi (Gulbarga Uni.Gulbarga)
　　　　　7. Dr. B.P.Bandgar(Vice Chancellor,Solapur University,Solapur)
　　　　　8. Dr. N.N.Maldar(Vice Chancellor,Solapur University,Solapur)
　　　　　9. Dr. R.N.Sirsat (Goa University, Panjim)
　　　　　10. Dr. S.D.Delekar(Kolhapur University , Kolhapur)
　　　　　11. Dr. Dhananjay Sabade(Sutchem,Ahemadabad)
　　　　　12. Dr. B.H.Mehta (Mumbai University, Mumbai)
　　　　　13. Dr. Mane R.B.(Kolhapur University Kolhapur)
　　　　　14. Prof. S.H. Pawar – Vice-Chancellor D.Y. Patil Deemed University, Kolhapur.

25.　　Seminars/ Conferences/Workshops organized & the source of funding:-

a) National:-   Nil
b) International:- Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	34	34	18	16	26.47%
B.Sc. IInd Year	09	09	05	04	88.88%
B.Sc. IIIrd Year	08	08	01	07	100%
Mobile Repairs Course	16	16	09	07	100.00%

*M=Male F=Female

➢   Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	25	25	15	10	NA
B.Sc. IInd Year	22	22	11	11	NA
B.Sc. IIIrd Year	10	10	04	06	NA
Mobile Repairs Course	15	15	07	08	NA

*M=Male F=Female

27.   Diversity of Students:-

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	00
B.Sc. IInd Year	100%	00	00
B.Sc. IIIrd Year	100%	00	00

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-
       No any information is Available

29.   Student progression:-

Student progression	Against % enrolled
UG to PG	60%
PG to M. Phil.	1%
PG to Ph.D.	4%
Ph.D. to Post-Doctoral	NA
Employed	15%
• Campus selection	10%
• Other than campus recruitment	05%
Entrepreneurship/Self-employment	20%

30.   Details of Infrastructural facilities:-

    a)   Library:-
        Central Library Books :-1909
        Departmental Books:- 138,
        Journals/Periodicals:- 02
    b)   Internet facilities for Staff & Students:-
        Students-20 Computers, Staff- 02 Computer
    c)   Class rooms with ICT facility:- 01
    d)   Laboratories:- 02

31.   Number of students receiving financial assistance from college, university, government or other agencies:- Nil

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-
    ➢   The special lectures are arranged by the Faculty members for remedial class, and for the advance learning.
    ➢   The seminar is arranged for the students in the college on "Higher Education Opportunities in America" By Dr. Shashikant Phadtare interdisciplinary on 8th August 2013.

33.   Teaching methods adopted to improve student learning:-
    ➢   The department follows interactive sessions, group discussion etc. All staff members use computer skill to manage power point presentation in teaching/learning. Apart from the normal lecture delivering method, students are asked to prepare for a lecture on a specified topic and asked to deliver the same in a couple of day.

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:- NSS, Cultural programs

35.   SWOT analysis of the department and Future plans:-

    1.   Strength:-
    ➢   The faculty member of the department is actively engaged in the research, presented research papers in different countries in the international conferences.
    ➢   Demand ratio of students for Electronics is preferentiable.
    ➢   Laboratory is well equipped with PCB Design Software, Animation software on Analog and Digital Electronics from Scientech. The other softwares like Micro vision, MATLAB etc. The software required for Practical purpose are also made available to the students.
    ➢   The result is between 80 % to 100%.
    ➢   Freedom to faculty members by the Principal and management for the development in subject.

➢　　　Number of students in Electronics prefers this college for admission as compared to other Colleges in the city.

2.　　Weakness:-
➢　　　This area can not attract international students.
➢　　　Low Student ratio per Teacher.
➢　　　Students less inclination to adopt new methods of learning.
➢　　　Financial Weakness of students since belongs to Rural area.

3.　　Opportunities:-
➢　　　Increasing the interest of students in Higher Education & Research.
➢　　　To develop the international research centre.
➢　　　To attract the foreign student toward this department for UG to Ph. D admissions.
➢　　　Good opportunities in the Industrial & private sector.

4.　　Challenges:-
➢　　　Increasing awareness among the students about Electronics.
➢　　　Developing the department to have adoptability with new technologies in the field.
➢　　　To prepare the students for self employment in the subject.
➢　　　Academic and Industrial collaboration in the subject.
➢　　　Fulfill the Market requirement of Human Resource in Industrial and Private Sector.

5.　　Future plans:-
➢　　　To start the PG course in Nano-Science and Nano-Electronics.
➢　　　To start the international Research centre in Physics, Electronics and Computer Science which is interdisciplinary in nature.
➢　　　To take the various projects in Electronics for the students and teachers.
➢　　　Participation of students in Seminars and subject activities.
➢　　　To take the international conference in the subject
➢　　　Development of Electronics laboratories.
➢　　　Organize National /International Seminars/workshops.
➢　　　Develop a strong network with other institutions.
➢　　　Undertaking minor/major research projects.

Evaluation Report of the Department of Industrial Chemistry

1.   Name of the Department   :-   Industrial Chemistry

2.   Year of Establishment   :-   1978

3.   Names of Programs / Courses offered (UG, PG):

   i)   UG (B.Sc. Ist, IInd, IIIrd year)
   ii)   NAMP Project of the MPCB Mumbai.

4.   Names of Interdisciplinary courses and the departments/units involved:-

   ➢   Department of Microbiology for biological activities.
   ➢   Dayanand Law College, Latur.
   ➢   Department of Computer Science D.S. College Latur for use of preparation of Design Thesis in Industrial Chemistry
   ➢   Department of Physics for analysis of research material
   ➢   Department of Chemistry for Laboratory Material and Chemicals.

5.   Annual/ semester/choice based credit system (program wise):-
          UG -
   ➢   Semester – S.R.T.M.U. Nanded.
   ➢   Internal Theory exams.
   ➢   Assignments/ Internal MCQ exam.

6.   Participation of the department in the courses offered by other departments:-

   ➢   The faculty member Mr. Chougule A.M & Mr. Jadhav R.K Guides the students of B.Sc. for Design thesis.
   ➢   The faculty member Mr. Chougule A.M invited for guest lecture for in Industrial Development in Maharashtra at S C S College, Omarga.
   ➢   The faculty Member Mr. Chougule A.M is the Invitee member B.O.S. of Chemistry at Swami Ramanand Tirth Marathwada University Nanded.
   ➢   The faculty member Mr. Chougule A.M is the Chairman of the paper setting & Mr. Jadhav R. K. is a member of Paper setting.
   ➢   The faculty member Mr. Jadhav R.K. invited for Practical Examination at Dr BAMU Subcentre Osmanabad.
   ➢   The faculty member Mr. Chougule A.M was the member of adhoc board Industrial Chemistry at Dr BAMU Aurangabad.(2008-2011)

7.   Courses in collaboration with other universities, industries, etc.

   ➢   The Ph.D., M. Phil., Research work of our department faculty member is in collaboration with the following.

- Maharashtra Pollution Control Board, Mumbai.
- Manjara Sugar Factory, Latur
- Tinna Oil Ltd, Latur
- Balaji Amines Ltd.

8.　　Details of courses/program discontinued (if any) with reasons:- Nil

9.　　Number of Teaching posts:-

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	02	02
CHB	02	02

10.　　Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):

Name	Qualification	Designation	Specialization	Total Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. A.M Chougule	M.Sc. B.Ed. M. Phil.	H.O.D. and Asst.Prof	Industrial Chemistry	10 Years	NIL
Mr.R.K Jadhav	M.Sc. B.Ed. Net	Asst.Prof	Industrial Chemistry	01Years	Nil
Mr. N. S. Dhekane	M.Sc.,	Asst.Prof	Industrial Chemistry	01Years	Nil
Mr. S.V. Bondar	M.Sc.	Asst.Prof	Organic Chemistry	03 Years	Nil

11.　　List of senior visiting faculty:-

　　1)　　Dr. P S Mane SCS, college, Omerga.
　　2)　　Dr. J S Diggikar SCS, college, Omerga.
　　3)　　Dr. J G Mulla Adarsha Sinior College, Omerga.
　　4)　　Dr. S K Patel Adarsha Sinior College, Omerga.
　　5)　　Prof. G.G. Panchal Dayanand Law college, Latur.

12.　　Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:- Nil

13.　　Student -Teacher Ratio (programme wise):- 60:1

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:-   Nil

15.   Qualifications of teaching faculty with DSc/ D.Litt./ Ph. D/ M. Phil/PG:-

      i)   Ph.D. – 01 (Thesis submitted)
      ii)   M. Phil.- 01
      iii)   P.G. - 04

16.   Number of faculty with ongoing projects from a) National b) International funding   agencies and grants received:-   Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- Nil

18.   Research Centre /facility recognized by the University:-

19.   Publications:-

    a) Publication per faculty:-

Name of Faculty	National	International
Mr. A.M. Chougule	01	03
Mr. R. K. Jadhav	Nil	Nil
Mr. N. S. Dhekane	Nil	Nil
Mr. S.V .Bondar	Nil	Nil

➢   Number of papers published in peer reviewed journals (national / international) by faculty and students:-

1)   National   :-   01
2)   International   :-   03

➢   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Monographs:-   Nil
- Chapter in Books:-   Nil
- Books Edited :-   Nil
- Books with ISBN/ISSN numbers with details of publishers:-   Nil
- Citation Index :-   NA
- SNIP:-   Nil
- SJR:-   Nil
- Impact factor :-   NA
- h-index :-   NA

20.   Areas of consultancy and income generated :- Nil

21.   Faculty as members in:

    a)   National committees: -   Nil
    b)   International Committees:-   Nil
    c)   Editorial Boards:-   Nil

22.   Student projects:-

    a)   Percentage of students who have done in-house projects including inter departmental/programme:- 100% (For UG students)

    b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- 05%

23.   Awards / Recognitions received by faculty and students:-   Nil

24.   List of eminent academicians and scientists/ visitors to the department:-

    1)   Dr. B.P. Bandgar (Vice Chancellor, Solapur University, Solapur)
    2)   Dr. N.N. Maldar (Vice Chancellor, Solapur University, Solapur)
    3)   Dr. M.K. Dongar (Sr.Scientist ,NCL Pune)
    4)   Dr. N.T. Patil (Sr.Scientist ,IICT Hydrabad)
    5)   Dr. B.B. Idge (Sr.Scientist ,NCL Pune)
    6)   Dr. R.N. Sirsat (GoaUniversity Panjim)
    7)   Dr. P.P. Wadgonkar (Sr.Scientist ,NCL Pune)
    8)   Dr. S.P. Chavan (Sr.Scientist ,NCL Pune)
    9)   Dr. S.B. Umbarkar(Sr.Scientist ,NCL Pune)
    10)   Dr. U.R. Kalkote(Sr.Scientist ,NCL Pune)
    11)   Dr. S.D. Delekar(Kolhapur University , Kolhapur)
    12)   Dr. Udge C.G. (BARC,Mumai)
    13)   Dr. Dhananjay Sabade(Sutchem,Ahemadabad)
    14)   Dr. Shashikant Phadtare (U.S.A.)
    15)   Dr. B.H.Mehta(H.O.D.Mumbai University ,Mumbai)
    16)   Dr.Mane R.B.(Kolhapur University , Kolhapur)

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

    a)   National:-   01

    ➢   Department of Chemistry and Department of Industrial Chemistry has successfully organized a national Seminar on "Eco-friendly Synthesis of Organic Compounds" on the date 04 and 05 November, 2011.
    ➢   Funding From UGC, Institution of college.

    b)   International:- Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	75	35	32	03	95%
B.Sc. IInd Year	39	39	36	03	100%
B.Sc. IIIrd Year	17	17	17	00	100%

*M=Male F=Female

➢   Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. Ist Year	77	31	27	03	NA
B.Sc. IInd Year	36	36	33	03	NA
B.Sc. IIIrd Year	42	42	39	03	NA

*M=Male F=Female

27.   Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	00
B.Sc. IInd Year	100%	00	00
B.Sc. IIIrd Year	100%	00	00

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.:-
       NET / SET - 05, MPSC - 02

29.   Student progression:-

Student progression	Against % enrolled
UG to PG	75%
PG to M. Phil.	Data not available
PG to Ph.D.	Data not available
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	5%
Entrepreneurship/Self-employment	25%

30.   Details of Infrastructural facilities:-

       a)   Library:-
              Central Library Books:- 1548,
              Departmental Library Books:- 52,

Journals/Periodicals:- 02
b)   Internet facilities for Staff & Students:-
Students- 00 Computers for Staff- 01 Computer
c)   Class rooms with ICT facility:-   Nil
d)   Laboratories:-   01

31.   Number of students receiving financial assistance from college, university, government or other agencies:-   Inspire 01,GOI & EBC from Govt.

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-

- Remedial coaching given to weaker students

33.   Teaching methods adopted to improve student learning:-

➢ The department follows interactive sessions, group discussion etc. All staff members use computer skill to manage power point presentation in teaching/learning. Apart from the normal lecture deliver method, students are asked to prepare for a lecture on a specified topic and asked to deliver the same in a couple of day.

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:-
➢ Faculty member A.M. Chougule is programme officer of NSS.
➢ Dept run the M.P.C.B. project.

35.   SWOT analysis of the department and Future plans:-

1.   Strength:-
➢ Large number of students admitted in reputed Universities & Institutes for PG courses.
➢ Large number of candidates got the jobs in various Industrial sector and through competitive Examinations.
➢ Many of the students complete their Ph.D. from CSIR laboratories &Post doctorate from abroad.
➢ UG students complete projects in our laboratories.
➢ Department helps to many other colleges from rural area their developments
➢ The faculty member of the department is actively engaged in the research, presented research papers in different national/state level seminars & conferences
➢ All permanent faculties registered for Ph.D.
➢ Demand ratio of students for Industrial chemistry is very high.
➢ The result is 100%.

2.   Weakness:-
➢   CSTR, Coil Tube Reactor Plug Flow Reactor. These instruments not available to do practical work.
➢   Department unable to provide facilities for project work & Practical for students.
➢   Department has lack of Infrastructure.

3.   Opportunities:-
➢   Increasing the interest of students in Research through projects
➢   To develop advanced research centre.
➢   Good opportunities in the Industrial sector.

4.   Challenges:-
➢   Increasing awareness amongst the students about computer education to solve the mathematics problems.
➢   Provide Industrial training for students.
➢   Arrange Industrial Campus Interview.

5.   Future plans:-
➢   To start the PG course in Industrial Chemistry.
➢   To start the Research centre in Industrial Chemistry department.
➢   To take the various projects in Industrial Chemistry for the students and teachers.
➢   To publish the research papers in international journals.
➢   Improvement in laboratory safety.
➢   Organize National /International Seminars/workshops.
➢   Develop a strong network & MOU with other institutions.
➢   Undertaking minor/major research projects.
➢   Organize guest lectures and seminars.

Evaluation Report of the Department of B.Sc. Computer Science

1.   Name of the department   :-   B.Sc. Computer Science

2.   Year of Establishment   :-   05-08-1999

3.   Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-

    i)   UG (B.Sc I, II, III year)
    ii)   UG (B.Sc. (C.S.) I, II, III year)
    iii)   PG (M.Sc. I & II)
    iv)   Computer Hardware & Networking (UG-COC)

4.   Names of Interdisciplinary courses and the departments/units involved:-

    ➢   Department of Mathematics for B.Sc. (CS)
    ➢   Department of Electronics for the interdisciplinary for the courses. [M.Sc. I Year]

5.   Annual/ semester/choice based credit system (program wise):-

    ➢   Semester – S.R.T.M.U. Nanded.
    ➢   Internal Theory exams.
    ➢   Assignments/Internal MCQ exam.

6.   Participation of the department in the courses offered by other departments:-
            Nil

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:-   Nil

    ➢   The Ph.D., M. Phil., Research work of our department faculty member is in collaboration with the following departments

8.   Details of courses/program discontinued (if any) with reasons :-Nil

9.   Number of Teaching posts:-

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	10	10
CHB	02	02

10.   Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mrs. S. A. Jaju	M.Sc. (Comp.Sci.)	HOD. Assit. Prof.	C, C++, Java, RDBMS, Networking, O.S., Microprocessor	17 Yrs.	Nil
Mr. J. R. Duve	M.Sc. (C.A.) B.Ed.	Asst. Prof.	DBMS, Networking, DAA, Oracle SQL, C, C++, Java, VB	13 Yrs.	Nil
Mrs. K.V. Jadhav	M.Sc. (Comp.Sci.) B.Ed.	Asst. Prof.	C, C++, WPD, VB, SE, IT, DS	07 Yrs.	Nil
Miss. S. V. Kale	M.Sc. (C.S.)	Asst. Prof.	WPD, PHP, Linux O.S., Matlab, C, C++, Data structure	05 Yrs.	Nil
Mr. S. S. Bhosale	M.Sc. (S.E.)	Asst. Prof.	C, C++, Oracle, Java, VB, Fuzzy system, S.E.	05 Yrs.	Nil
Mrs. B.R. Mahabole	M.Sc. (C.S.)	Asst. Prof.	Data Structure, Networking, C, C++, Java	04 Yrs.	Nil
Miss. M. P. Navandar	M.C.A.	Asst. Prof.	C, C++, VB.Net, DBMS ASP.Net, PHP, Linux, JSP, SQL,Serve let, O.S.	02 Yrs.	Nil
Mr. C.B. Kandelwal	M.Sc. (C.S.)	Asst. Prof.	C#.Net, C, C++, VB.Net	01 Yrs.	Nil
Miss. R. R. Kulkarni	M.Sc. (S.E.)	Asst. Prof.	C, C++, Java, VB.Net, Oracle, VB	01 Yrs.	Nil

11.   List of senior visiting faculty:- Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:- Nil
13. Student -Teacher Ratio (programme wise):- 26:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:-

   a) Laboratory Assistant:-   02
   b) Laboratory Attendant:-   02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-

   i) Ph.D. :– 00
   ii) M. Phil.:- 00
   iii) P.G. :- 09

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:- Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- Nil

18. Research Centre /facility recognized by the University:- No

19. Publications:-

   a) Publication per faculty:-   Nil

   ➢ Number of papers published in peer reviewed journals (national / international) by faculty and students
   b) National :-   Nil
   c) International:- Nil

   ➢ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

   • Monographs:-   Nil
   • Chapter in Books:-   Nil
   • Books Edited :-   Nil
   • Books with ISBN/ISSN numbers with details of publishers:-   Nil
   • Citation Index :-   Nil
   • SNIP:- :-   Nil
   • SJR:-   Nil
   • Impact factor :-   Nil
   • h-index :-   Nil

20.   Areas of cons-ultancy and income generated:-   Nil

21.   Faculty as members in

    a)   National committees: -   Nil
    b)   International Committees:-   Nil
    c)   Editorial Boards:-   Nil

22.   Student projects:-

    a)   Percentage of students who have done in-house projects including inter departmental/programme:-   Nil

    b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- Nil

23.   Awards/ Recognitions received by faculty and students:-

    1)   Mrs. Jaju S. A.:-
    ➢   Awarded as best anchor award by Rajasthani Mahila Manadal, Latur.
    ➢   Awarded with first in debit competition conducted by Rajasthani Mahila Mandal, Latur in 2008.
    ➢   Awarded with IInd prize in competition of 'Memorable Incidence in Life' by Rajasthani Mahila Mandal, Latur

24.   List of eminent academicians and scientists/ visitors to the department:- Nil

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

    a)   National:-   01
    ➢   Department of Computer Science has successfully organized National Level Seminar on "Impact of I.T. field on formal education a retrospective approach" on date 9th Feb 2011.
    ➢   Funding from UGC & DES
    b)   International:- Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. I	79	79	35	44	-
B.Sc. II	41	41	11	23	-
B.Sc. III	22	22	09	13	100%
B.C.S. I	16	16	05	11	78.57%
B.C.S. II	16	16	08	08	100%
B.C.S. IIII	10	10	04	06	80.00%
M.Sc.(C.S.) I	82	33	12	21	97.04%

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
M.Sc.(C.S.) II	33	33	08	25	96.87%

*M=Male F=Female

➢ Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
B.Sc. I	40	40	13	27	NA
B.Sc. II	40	40	18	22	NA
B.Sc. III	34	34	14	20	NA
B.C.S. I	37	37	19	18	NA
B.C.S. II	13	13	05	08	NA
B.C.S. IIII	21	21	13	08	NA
M.Sc.(C.S.) I	21	21	10	11	NA
M.Sc.(C.S.) II	24	24	09	15	NA

*M=Male F=Female

27. Diversity of Students:-

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100%	00	00
B.Sc. II	100%	00	00
B.Sc. III	100%	00	00
B.C.S. I	100%	00	00
B.C.S. II	100%	00	00
B.C.S. IIII	100%	00	00
M.Sc.(C.S.) I	100%	00	00

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-
No any information is Available

29. Student progression:-

Student progression	Against% enrolled
UG to PG	70%
PG to M. Phil.	5%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	5%
• Other than campus recruitment	5%
Entrepreneurship/Self-employment	10%

30.   Details of Infrastructural facilities:-

   a)   Library:-
         Central Library Books:- 2099
         Departmental Library Books:-138
         Journals/Periodicals:- 00
   b)   Internet facilities for Staff & Students:-
         Students-20 Computers, Staff- 02 Computer
   c)   Class rooms with ICT facility:-   01
   d)   Laboratories:-   03

31.   Number of students receiving financial assistance from college, university, government or other agencies:- 177

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-

   ➢   All the students of Computer Science, B.Sc. C.S. & M.Sc. C.S. are participating in National Level Seminar "Impact of I.T. on Formal Education: A retrospective Approach" organized by Dayanand Science College, Latur

   ➢   A guest lecture of Dr. S. S. Chowhan from School of Computational Science, S. R. T. M. U. Nanded is arranged for M.Sc. (C.S.) students on dated 22, 23 March 2013.

33.   Teaching methods adopted to improve student learning:-

   ➢   The department follows interactive sessions, group discussion etc. All staff members use computer skill to manage power point presentation in teaching/learning. Apart from the normal lecture delivering method, students are asked to prepare for a lecture on a specified topic and asked to deliver the same in a couple of day.

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:- NSS, Cultural programs

35.   SWOT analysis of the department and Future plans:-

   1.   Strength:-
   ➢   Demand ratio of students for Computer Science is very high.
   ➢   Laboratory is well equipped with syllabus related software's & hardware's such as C, C++, Java, VB 6.0, .Net, Oracle SQL, Linux & Networking facilities etc.
   ➢   The result is between 90% to 100%.
   ➢   Freedom to faculty members by the Principal and management for the development in subject.

2.   Weakness:-
➢   This area can not attract international students.
➢   Financial Weakness of students since belongs to Rural area.

3.   Opportunities:-
➢   Increasing the interest of students in I.T. & Software field.
➢   Self employment of students.
➢   Good opportunities in the private & Government sector.

4.   Challenges:-
➢   Increasing awareness among the students about Computer ethics.
➢   To prepare the students for self employment in the subject.
➢   Developing the department to have adoptability with new technologies in the field.

5.   Future plans:-
➢   To publish the national & international journal in computer science subjects.
➢   To develop high-tech computer labs.
➢   Organize National /International Seminars/workshops.
➢   Develop a strong network with other institutions.
➢   Organize guest lectures and seminars.

Evaluation Reports of the Department of Marathi

1.   Name of the department   :-   Department Of Marathi

2.   Year of Establishment   :-   15.06.1961

3.   Names of Programs / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-

   i)   UG – Marathi as a Second Language Subject at B.Sc. I & II year level

4.   Names of Interdisciplinary courses and the departments/units involved:-

5.   Annual/ semester/choice based credit system (program wise):-

   ➢   Semester, S.R.T.M.U. Nanded.
   ➢   Internal Theory Exam.
   ➢   MCQ Exam Conducted by University.

6.   Participation of the department in the courses offered by other departments:-

   ➢   The Faculty Member Prof. Dr. S. B. Katare engages the classes of M.A. Marathi run by Dayanand College of Arts, Latur.

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:-

   ➢   Department of Marathi has linkage with Dayanand College of Arts, Latur.

8.   Details of courses/program discontinued (if any) with reasons :- Nil

9.   Number of teaching posts

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	**01**	**01**
Asst. Professors	-	-

10.   Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S.B. Katare	M.A. B.Ed. Ph. D.	H.O.D. and Associate Professor	Folklore, Linguistics	29 Years	Nil

11.   List of senior visiting faculty:- Nil

12.   Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:- Nil

13.   Student -Teacher Ratio (programme wise):- 132:1

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled   :- Nil

15.   Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-
   i.   Ph.D.– 01

16.   Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:- Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- Nil

18.   Research Centre /facility recognized by the University:- Nil

19.   Publications:

   a)   Publication per faculty:- Dr. S.B. Katare :- 04
   ➢   Number of papers published in peer reviewed journals (national / international) by faculty and students.

   1.   National – 01
   2.   International – 03

   ➢   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

   •   Monographs   :-   Nil
   •   Chapter in Books   :-   Nil
   •   Books Edited   :-   01
   •   Books with ISBN/ISSN numbers with details of publishers:-   Nil

- Citation Index   :-   Nil
- SNIP   :-   Nil
- SJR   :-   Nil
- Impact factor   :-   Nil
- h-index   :-   Nil

20.   Areas of consultancy and income generated :- Nil

21.   Faculty as members in

    a)   National committees :-
    i)   Dr. S.B. Katare

    1.   Member of BOS in Marathi SRTM University, Nanded.
    2.   Member of Faculty of Arts SRTM University, Nanded.
    3.   Member of 32 (5)(A) Exam Committee S.R.T.M. University, Nanded.
    4.   Member of student Welfare Committee Advisory Board S.R.T.M. University Nanded.
    5.   Member of University Special Cell standing Committee S.R.T.M. University, Nanded.
    6.   Secretary of Lokmata Ahilyadevi Charitable Trust, Latur.

    b)   International Committees   :- Nil
    c)   Editorial Boards   :-

    i)   Member of Editorial Board of 'Dnyanteert' University Journal S.R.T.M. Nanded.
    ii) Member of Editorial Board of 'Lokvidya Patrica' Research Journal, Parbhani.

22.   Student projects:
    a)   Percentage of students who have done in-house projects including inter departmental/programme:- Nil
    b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:- Nil

23.   Awards/ Recognitions received by faculty and students:- Nil

24.   List of eminent academicians and scientists/ visitors to the department:- Nil

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

    a)   National:- 01
    ➢   Department of Marathi has successfully organized a National Conference on 'Lokshityache Sanshodhan: Svarup ani Disha' on 25 and 26 Feb. 2011.

b)   International:- Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program (refer question no.4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
2012-2013					
B.Sc. Ist Year	-	108	55	48	98.5%
B.Sc. IInd Year	-	72	38	34	100%
2013-2014					
B.Sc. Ist Year	-	132	66	66	-
B.Sc. IInd Year	-	76	51	25	-

   *M=Male F=Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	**00**
B.Sc. IInd Year	100%	00	**00**

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :- Nil

29.   Student progression

Student progression	Against % enrolled
UG to PG	**00**
PG to M. Phil.	**00**
PG to Ph.D.	**00**
Ph.D. to Post-Doctoral	**00**
Employed • Campus selection • Other than campus recruitment	**00**
Entrepreneurship/Self-employment	**00**

30.   Details of Infrastructural facilities
         a)   Labrary:-
                 Central Library:- 1) Books:- 1503   2)Journals / Periodicals:- 14
                 Departmental Library:- Books:-70   2) Journals/Periodicals:-05
         b)   Internet facilities for Staff & Students:- Staff-01 Computer
         c)   Class rooms with ICT facility:- 01

d)   Laboratories:- Nil

31.   Number of students receiving financial assistance from college, university, government or other agencies :- Nil

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:- Nil

33.   Teaching methods adopted to improve student learning:-

➢   The faculty of department follows interactive sessions, arranges group discussions, mock interviews etc. to get involved the students in learning process. To develop the literary sense of the students, the faculty enables them to prepare topic from the syllabus (Prose / Poetry) and deliver in the class.

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:-
1.   NSS.

35.   SWOT analysis of the department and Future plans:-

1.   Strength:
➢   Excellent result in University Exam.
➢   Note worth daily attendance of the students.
➢   Students remarkable coutribution in Marathi section of Unmesh − the college magazine.

2.   Weakness:
➢   Our is a single faculty Science college and Marathi is studied as a second language. So there is limited for the subject.

3.   Opportunities:
➢   To boost student's confidence by developing communicative competence in Marathi.
➢   To Counsel the students who posses potential to do additional studies in Marathi for better career prospects.
➢   To motivate the students for creative writing.

4.   Future plans:
➢   To organize International Conference.
➢   To arrange guest lecturers concerning 'Writing Skills'.

Evaluation Reports of the Department of Hindi

1.   Name of the department   :-   Hindi

2.   Year of Establishment   :-   15/06/1961

3.   Names of Programs / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-
        i.   UG – Hindi as a Second Languge subject at B.Sc. I (Semester I and semester II)
        ii.   UG – Hindi as a Second Languge Subject at B.Sc. II (Semester III and semester IV)

4.   Names of Interdisciplinary courses and the departments/units involved:-

5.   Annual/ semester/choice based credit system (program wise):-

        ➢   Semester, S.R.T.M.U. Nanded.
        ➢   Internal theory Exam.
        ➢   MCQ Exam conducted by University.

6.   Participation of the department in the courses offered by other departments:-
        Nil
7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:- Nil

8.   Details of courses/program discontinued (if any) with reasons :- Nil

9.   Number of Teaching posts

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01

10.   Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. G. H. Bane	M. A. B.Ed. M. Phil., Net-(JRF)	H.O.D. and Asst. Prof	-	03 Years	Nil

11.   List of senior visiting faculty:- Nil

12.   Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:- Nil

13.   Student -Teacher Ratio (programme wise):- 278:1

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:- Nil

15.   Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-
       i.   M. Phil. Net (JRF) – 01

16.   Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:-   Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- Nil

18.   Research Centre /facility recognized by the University:- Nil

19.   Publications:

       a)   Publication per faculty:-

       ➢   Number of papers published in peer reviewed journals (national / international) by faculty and students
       1)   International:-   13

       ➢   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

       •   Monographs:-   Nil
       •   Chapter in Books:-   Nil
       •   Books Edited :-   Nil
       •   Books with ISBN/ISSN numbers with details of publishers:- Nil
       •   Citation Index :-   Nil
       •   SNIP:-   Nil
       •   SJR:-   Nil
       •   Impact factor :-   2.06
       •   h-index :-   Nil

20.   Areas of consultancy and income generated :- Nil

21.   Faculty as members in:-

        a)   National committees: -   Nil
        b)   International Committees:-   **Nil**
        c)   Editorial Boards:-   Nil

22.   Student projects:-

        a)   Percentage of students who have done in-house projects including inter
                Departmental/programme:- Nil

        b)   Percentage of students placed for projects in organizations outside the
                institution i.e.in Research laboratories/Industry/other agencies:- Nil

23.   Awards/ Recognitions received by faculty and students:- Nil

24.   List of eminent academicians and scientists/ visitors to the department:- Nil

25.   Seminars/ Conferences/Workshops organized & the source of funding:- Nil

        a)   National:-
        b)   International:-

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program (refer question no.4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2012-2013					
B.Sc. Ist Year		151	84	67	95%
B.Sc. IInd Year		126	71	55	92%
2013-2014					
B.Sc. Ist Year		140	72	68	--
B.Sc. IInd Year		130	80	50	--

        *M=Male F=Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	00
B.Sc. IInd Year	100%	00	00

28.   How many students have cleared national and state competitive examinations
        such as NET, SLET, GATE, Civil services, Defense services, etc. :- Nil

29.   Student progression:-

Student progression	Against % enrolled
UG to PG	00
PG to M.Phil.	00
PG to Ph.D.	00
Ph.D. to Post-Doctoral	00
Employed • Campus selection • Other than campus recruitment	00
Entrepreneurship/Self-employment	00

30.   Details of Infrastructural facilities:-

    a)   Labrary:-
        Central Library Books:- 1204
        Department Library Books:-80
    b)   Internet facilities for Staff & Students:- Nil
    c)   Class rooms with ICT facility:- Nil
    d)   Laboratories:-Nil

31.   Number of students receiving financial assistance from college, university, government or other agencies:-

32.   Details on student enrichment programs (special lectures/workshops /seminar) with external experts:-

    ➢   Special lectures are arranged for remedial class and advanced learning

33.   Teaching methods adopted to improve student learning:-

    ➢   Following teaching methods are followed – Delivering lectures arranging seminars and group discussions interactive sessions in the classes.

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:-

    1.   NSS.

35.   SWOT analysis of the department and Future plans:-

    1.   Strength:-
    ➢   The Faculty member of the department is actively engaged in research.
    ➢   Published many research papers in International Journal.
    ➢   The faculty member works as paper setter and examiner for the autnomous college- Rajarshi Shahu College, Latur.

➢   Excellent result in university exams.

2.   Weakness:-
➢   Hindi is studied as a second language so limited scope for this subject.
➢   Student's poor communication in Hindi.
➢   Being science students less in touch with Hindi language and literature.

3.   Opportunities:-
➢   Increasing the awareness among the student about the importance of Hindi for better prospectus in jobs on national level.

4.   Future plans:-
➢   To organize National conference.
➢   To organize guest lectures.
➢   To sub. the minor research/project.

Evaluation Reports of the Department of English

1.   Name of the department   :-   Department Of English

2.   Year of Establishment   :-   1961

3.   Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-

   i.   UG – English as a Compulsory Subject at B.Sc. I
     (Semester I and Semester II)
   ii.   UG – English as a Compulsory Subject at B.Sc. II
     (Semester III and Semester IV)

4.   Names of Interdisciplinary courses and the departments/units involved:-
        A Certificate Course in Spoken English- Dayanand College of Arts, Latur.

5.   Annual/ semester/choice based credit system (program wise):-

   ➢   Semester, S.R.T.M.U. Nanded.
   ➢   Internal Theory Exam.
   ➢   MCQ Exam Conducted by University.

6.   Participation of the department in the courses offered by other departments:-

   ➢   The faculty member Prof. M. M. Pandit engaged the classes of 'Soft Skills and Personality Development Course' run by Dayanand college of Arts, Latur.
   ➢   Prof. M.M. Pandit works as a college co-coordinator of 'A Certificate Course in Spoken English' for Science students and staff, run by D.E.S. Latur.

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.:- Nil

8.   Details of courses/program discontinued (if any) with reasons:- Nil

9.   Number of teaching posts:

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	01

10.   Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. M.M. Pandit	M.A. B.Ed. M.Phil.	H.O.D. and Asst.Prof	Communication Skills, Indian Writing in English, 20th Century English Literature.	08 Years	Nil

11.   List of senior visiting faculty:- Nil

12.   Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:- Nil

13.   Student -Teacher Ratio (programme wise):- 441:**1**

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:- Nil

15.   Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-

   i.   M. Phil.– 01

16.   Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:- Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- Nil

18.   Research Centre /facility recognized by the University:- Nil

19.   Publications:

   a)   Publication per faculty:- Pandit M.M.-02

➢   Number of papers published in peer reviewed journals (national / international) by faculty and students.
   a) Conference Proceeding Book:- 01

➢   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

   • Monographs:-   Nil
   • Chapter in Books:-   01
   • Books Edited :-   Nil

- Books with ISBN/ISSN numbers with details of publishers:-   Nil
- Citation Index:-   Nil
- SNIP:-   Nil
- SJR:-   Nil
- Impact factor :-   --
- h-index :-   Nil

20.   Areas of consultancy and income generated:-   Nil

21.   Faculty as members in

     a)   National committees: - Prof. Pandit M.M. – Member of ELTAI
     b)   International Committees:- Nil
     c)   Editorial Boards:-Nil

22.   Student projects

     a)   Percentage of students who have done in-house projects including inter departmental/programme:-   Nil
     b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:-   Nil

23.   Awards/ Recognitions received by faculty and students:- Nil

24.   List of eminent academicians and scientists/ visitors to the department:-   Nil

25.   Seminars/ Conferences/Workshops organized & the source of funding:- Nil

     a)   National:-
     b)   International:-

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program (refer question no.4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
2012-13					
B.Sc. I[st] Year	--	259	153	106	82.57
B.Sc. IInd Year	--	184	104	80	91.20
2013-14					
B.Sc. I[st] Year	--	255	126	129	--
B.Sc. IInd Year	--	186	112	74	--

     *M=Male F=Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Ist Year	100%	00	00
B.Sc. IInd Year	100%	00	00

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :- Nil

29.   Student progression:

Student progression	Against % enrolled
UG to PG	--
PG to M. Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed • Campus selection • Other than campus recruitment	--
Entrepreneurship/Self-employment	--

30.   Details of Infrastructural facilities

     a)   Library:-
        Central Library Books:- 819
        Departmental Library Books:- 80
     b)   Internet facilities for Staff & Students:- Staff-01 Computer
     c)   Class rooms with ICT facility:- 01
     d)   Laboratories:-

31.   Number of students receiving financial assistance from college, university, government or other agencies:- Nil

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-

     1.   U.G. Students Attended One day District Level Workshop on 'Soft Skills and Personality Development' on 25th Feb 2012, organized by Dayanand College of Arts, Latur.

     2.   P.G. Students Completed 'Soft skills and Personality Development Course' during the first semester of the academic year 2012-2013, run by Dayanand Education Society, Latur.

     3.   In the academic year 2012-2013 the students completed 'Spoken English Corse' run by Dayanand Education Society, Latur.

4.   Conducted remedial classes for weaker students.

33.   Teaching methods adopted to improve student learning:-

➢   The faculty of the department follows interactive sessions arranges group discussions; mock interviews etc. to get involved the students in learning process. To develop the literary sense of the students, the faculty enables them to prepare topic from the syllabus (Prose/poetry) and deliver in the class.

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:- NSS.

36.   SWOT analysis of the department and future plans:-

1.   Strength:-
➢   'Spoken English Course' for science students.
➢   Excellent result in university exams.
➢   Noteworthy daily attendance of the students.
➢   Students contribution in the English section of 'Unmesh'- the college magazine.

2.   Weakness:-
➢   English is studied only as a Compulsory Subject at B.Sc.I and B.Sc.II level, so certain limitations have to face.
➢   Poor communicative competence of the students.

3.   Opportunities:-
➢   To boost students' confidence by developing communicative competence in English.
➢   To counsel the students who possess potential to do additional studies in English for better career prospects.

4.   Future plans:-
➢   To set up English Language Lab.
➢   To organize National Conference.
➢   To arrange guest lectures concerning 'Communication Skills'.

Evaluation Reports of the Department of Physical Education & Sports

1. Name of the department   :-   Physical Education & Sports

2. Year of Establishment   :-   1961

3. Names of Programs / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):- Nil

4. Names of Interdisciplinary courses and the departments/units involved:- Nil

5. Annual/ semester/choice based credit system (program wise):-

    - Selection of the College teams for ICT.
    - Number of Participation by college students in ICT.
    - Organize coaching sessions of various sports time to time.
    - Orgnize inter college tournaments of various sports.
    - Achieved Success by students in ICT.

6. Participation of the department in the courses offered by other departments:-

    - The faculty Member Dr. M.A. Bembade is Appointed as committee Member for Board of Sports S.R.T.M.U, Nanded.
    - The faculty Member Dr. M.A. Bembade is working as coach for S.R.T.M.U, Nanded Cricket (M) Team.
    - The faculty member Dr. M.A. Bembade is working as selection committee Member for latur District cricket Association.
    - The faculty member Dr.MA. Bembade worked as selection committee member for state transport cricket team of latur division.
    - The faculty member Dr. M.A. Bembade is working as selection committee of Basket ball, chess, cricket, volley ball etc. for S.R.T.M.U. Nanded.
    - The faculty member Dr. M.A. Bembade working as external examiner for B.P. Ed. Practical exam in year 2010 to 2013.
    - The faculty member Dr. M.A. Bembade working as team manager of women Athletic team and Badminton team of S.R.T.M.U. Nanded.
    - The faculty member Dr. M.A. Bembade was the chief Incharge Person of Marathwada level Invited cricket Tournament organized on the occasion of Golden Jubilee year celebration of Dayanand Education Society, Latur.
    - The faculty member Dr. M.A. Bembade worked as selection committee member for appointment of sports teacher in Dayanand Science College (Jr.) and Dayanand Arts College (Sr.) Latur.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:-

- ➢ Director of Physical Education & Sports of S.R.T.M.U. Nanded.
- ➢ State Transport office latur division.
- ➢ Latur district Bar Council.
- ➢ Latur district cricket Association.
- ➢ Yuva sports club latur.
- ➢ The college carring Chairmanship of A Zone Sports events of University from 2012 to till date.

8.   Details of courses/program discontinued (if any) with reasons :- Nil

9.   Number of Teaching posts:-

Post	Sanctioned	Filled
Director of Physical Education	01	01

10.   Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.M.A. Bembade	M.P.Ed., M.Phil., Ph.D.	H.O.D & Director of Physical Education	Correlation of Physical Fitness & Scholastic achievement	07 year	Nil

11.   List of senior visiting faculty:- Nil

12.   Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:- Nil

13.   Student -Teacher Ratio (programme wise):-738:1

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:-   Nil

15.   Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-

         i)   Ph.D. – 01

16.   Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:- Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- 7.50 lakh.

18.　　Research Centre /facility recognized by the University:- NA

19.　　Publications:-

a)　　Publication per faculty:-

1)　　Dr. M.A. Bembade:-　08

➤　　Number of papers published in peer reviewed journals (national / international) by faculty and students

1)　　National :-　05
2)　　International :- Nil

➤　　Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Monographs:-　　　　　　　　　　　　　　　　　　　　　　Nil
- Chapter in Books:-　　　　　　　　　　　　　　　　　　　Nil
- Books Edited :-　　　　　　　　　　　　　　　　　　　　Nil
- Books with ISBN/ISSN numbers with details of publishers:-　Nil
- Citation Index :-　　　　　　　　　　　　　　　　　　　NA
- SNIP:-　　　　　　　　　　　　　　　　　　　　　　　Nil
- SJR:-　　　　　　　　　　　　　　　　　　　　　　　　Nil
- Impact factor :-　　　　　　　　　　　　　　　　　　　NA
- h-index :-　　　　　　　　　　　　　　　　　　　　　　NA

20.　　Areas of consultancy and income generated :-　　　　　　　Nil

21.　　Faculty as members in:-

a)　　National committees: -
i)　　Dr. M.A. Bembade
➤　　Member of Board of Sports S.R.T.M.U. Nanded.
➤　　Member of Working Committee of latur District Cricket association.
➤　　General Secretary of Yuva Sports Club Latur.

b)　　International Committees:-

22.　　Student projects:- Nil

23.　　Awards/ Recognitions received by faculty and students:- Nil

24.　　List of eminent academicians and scientists/ visitors to the department:-

➤　　Dr. P.N. Deshmukh Well Known Researcher in Physical Education and Sports.
➤　　Dr. M.N. Reddy NIS Coach Basket Ball.

- ➢ Shri. Bhaskar Nalla Reddy NIS Coach Badminton.
- ➢ Mr. Pandurang Salgaonkar Former Maharashtra Ranji Team Captain.
- ➢ Mr. Rohit Motwani Captain of Maharastra Ranji Team & Member of India 'A' Cricket Team.

25.   Seminars/ Conferences/Workshops organized & the source of funding:-

a)   National   :-   Nil
b)   International   :-   Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
NA	NA	NA	NA	NA	NA

*M=Male F=Female

➢ Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M	*F	Pass percentage
NA	NA	NA	NA	NA	NA

*M=Male F=Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
NA	NA	NA	NA

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-
No any information is Available

29.   Student progression:-

Student progression	Against % enrolled
UG to PG	----
PG to M.Phil.	----
PG to Ph.D.	----
Ph.D. to Post-Doctoral	----
Employed	
• Campus selection	----
• Other than campus recruitment	----

Student progression	Against % enrolled
Entrepreneurship/Self-employment	----

30.   Details of Infrastructural facilities:-

- ➢ Our Institute have Two play ground first one is referred as main ground of size 130mtr x 130mtr and second one is 100mtr x 100mtr.
- ➢ We have Two Lawn tennis courts and four courts of Badminton in Indoor hall and newly made Basket ball court.
- ➢ One-Table tennis, carom and chess hall.

31.   Number of students receiving financial assistance from college, university, government or other agencies:- Nil

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:-

- ➢ We have organized coaching camp of Volleyball & Table Tennis under the coaching of Mr. Riyyaz Shaikh & Manik Panchal on date 29th Aug. 2013 to 17th Sept. 2012.
- ➢ We have organized coaching camp of Bandmintan Team of SRTMU, Nanded. Under the guidance of NIS coach Nalla Bhaskarreddy.

33.   Teaching methods adopted to improve student learning:-

- ➢ We invite to expert coaches from particular sports. We organize special coaching camps for students to update their skills and knowledge.
- ➢ We organize special sessions to improve student's physical fitness. We show the latest video clips to student by using internet facility and CDs of Sports.

34.   Participation in Institutional Social Responsibility (ISR) and Extension Activities:-

- ➢ The department carries out number of social responsibilities which the institution and the college undertake Time to Time.

35.   SWOT analysis of the department and Future plans:-

1.   Strength:-
- ➢ Sufficient Stuff as per requirement.
- ➢ Well-equipped Department.
- ➢ Adequate sport equipments.
- ➢ Experienced Teacher.
- ➢ Good Achievement.
- ➢ Full support of Principal and Management.

2.   **Weaknesses:-**
- Less interest of girl's students in participation of sports/game.
- Due to single faculty college hard to Achieve Success in team events.

3.   **Opportunities:-**
- We are able conduct national level sports event of Inter University Tournaments.
- We are able organize national level seminars and conference.
- Department can improve knowledge and develop skills of students by arrange study/practice tour.

4.   **Future Plans:-**
- To develop cricket stadium.
- To purchase additional equipments.
- To make separate sports complex and sport hostel.

Evaluation Reports of the Department of Library

1. Name of the department   :-   Library

2. Year of Establishment   :-   1961

3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):-   Nil

4. Names of Interdisciplinary courses and the departments/units involved:-Nil

5. Annual/ semester/choice based credit system (program wise):-

6. Participation of the department in the courses offered by other departments:- Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:- Nil

8. Details of courses/program discontinued (if any) with reasons :-   Nil

9. Number of teaching posts

Post	Sanctioned	Filled
Librarian	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Shri. K. R. Bhise	M. A., M.Lib. & I.Sc., M. Phil.	Librarian	--	6 Years	Nil

11. List of senior visiting faculty:- Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:- Nil

13. Student -Teacher Ratio (programme wise):- 853:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:-   08

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :-
    i.   M. Phil. – 01

16. Number of faculty with ongoing projects from a) National b) International funding   agencies and grants received:- Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- DST-FIST – Rs. 3.00 Lack

18. Research Centre /facility recognized by the University:- Nil

19. Publications:
    a)   Publication per faculty :-   Nil

    ➤   Number of papers published in peer reviewed journals (national / international) by faculty and students

    ➤   Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

    • Monographs:-   Nil
    • Chapter in Books:-   01
    • Books Edited :-   Nil
    • Books with ISBN/ISSN numbers with details of publishers:-   Nil
    • Citation Index :-   NA
    • SNIP:- :-   Nil
    • SJR:-   Nil
    • Impact factor :-   NA
    • h-index :-   NA

20. Areas of consultancy and income generated:-

21. Faculty as members in
    a)   National committees: -Nil
    b)   International Committees:-   Nil

22. Student projects:- Nil

23. Awards/ Recognitions received by faculty and students:- Nil

24. List of eminent academicians and scientists/ visitors to the department:-

1)   Shri. Bidve M. S., Librarian, Sambhaji Mahavidyalaya, Murud.
2)   Shri. Katke M. M., Librarian, Late. V. D. Mahavidyalaya, Babhalgaon
3)   Shri. Gardi V. S., Librarian, Maharastra Pharmacy College, Nilanga
4)   Shri. Giri. V. V., Librarian, S. B. M., Killari, Dist. – Latur
5)   Shri. Shinde A. A., Librarian, Mohekar College, Kalamb.

25.   Seminars/ Conferences/Workshops organized & the source of funding:-
        a)National   :-   Nil
        b)International:-   Nil

26.   Student profile programme/course wise:- (2012-2013)

Name of the Course/program	Applications received	Selected	Enrolled *M *F		Pass percentage
NA	NA	NA	NA	NA	NA

*M=Male F=Female

➢   Student profile programme/course wise:- (2013-2014)

Name of the Course/program	Applications received	Selected	Enrolled *M *F		Pass percentage
NA	NA	NA	NA	NA	NA

*M=Male F=Female

27.   Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
NA	NA	NA	NA

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. :-
        No any information is Available

29.   Student progression

Student progression	Against % enrolled
UG to PG	----
PG to M. Phil.	----
PG to Ph.D.	----
Ph.D. to Post-Doctoral	----
Employed	
• Campus selection	----
• Other than campus recruitment	----
Entrepreneurship/Self-employment	----

30.   Details of Infrastructural facilities:-

- ➢   Total Library Area is 8600 Sq. Ft. Two Stock Room, One Reference Section, One Circulation Section & One Reading Room is seating capacity 150. SOUL 2.0 Automation Software is using the "SOUL 2.0" (INFLIBNET Centre, Ahmedabad). OPAC facility available (Online Public Access Catalogue) in the "SOUL 2.0". Internet facility are available in Library. Library has registered for selected e-journals and e-books form "N-LIST" sponsored by INFLIBNET, Ahmedabad. This facility includes 3800+ research e-journals and 97000 e-books.

31.   Number of students receiving financial assistance from college, university, government or other agencies:- Nil

32.   Details on student enrichment programs (special lectures / workshops / seminar) with external experts:- Nil

33.   Teaching methods adopted to improve student learning:- Nil

34.   Participation in Institutional Social Responsibility (ISR) and Extension activities:- Nil

35.   SWOT analysis of the department and Future plans:-

1.   Strength:-
i)   OPAC is available in SOUL 2.0 software
ii)   INFLIBNET centre N-List e-resources in library.
iii)   Separate reading room.
iv)   Night reading room

2.   Weaknesses:-
1)   Technical sports not properly.

3.   Opportunities:-
1)   Arrange Books Exhibition
2)   Library Staff can improve knowledge by arrange training Programme.

4.   Future Plans:-
i)   Providing barcode to every reader.
ii)   Proposed award for best Library reader in the coming academic year

❖ POST-ACCREDITATION INITIATIVES

Quality sustenance and enhancement were the two major objectives of the college and the IQAC during the post accreditation period. After creating an academic environment for promotion of quality and accountability, the IQAC has been involved to implement the lacunas shown by peer team and objectives, focusing on the core values identified by NAAC. The Institution has directed its activities to contribute to national development, foster   global competence and inculcate a strong value system. In its quest for excellence, the teaching learning system was modified promoting the use of ICT in classroom teaching, giving training to faculty in e-content development and augmenting the infra-structure to support the same. Strong initiatives were taken to establish a research culture in the college, to promote interdisciplinary learning and to make the campus eco-friendly. Steps were taken to realize the social responsibility of the college and to fulfill the same through collective efforts of the college community. All the functions were centered on value added learning processes leading to improve the vision, mission and goals the Institution

• New Programmes Started

One UG programme – B.Sc. Computer Science sanctioned as affiliated self financed programmes, taking into consideration the employability and demand factors. The departments of Mathematics, Electronics, Botany and Zoology started research activity in the department by getting guideship to the faculty affiliated SRTM University, Nanded and they play an important role in fostering a research atmosphere in the institution along with the previously functioning research centre in Microbiology. As per the recommendation of the peer team, during the year 2008-13, Proposals have been submitted to the University Grants Commission for sanctioning of new programmes- Career Oriented Courses in for UG and PG students, UGC approved seven courses. PG Diploma in Bioinformatics was started as a UGC Innovative Programme; the course was sanctioned in the XI Plan with a grant of Rs. 47.5 lakhs. College also started self financed PG in Computer Science and Biotechnology.

Sr. No.	Course	Agency	Duration	Amount
1	M.Sc. Computer science	UGC	-	Self finance
2	M.Sc. Biotechnology	UGC	-	Self finance
3	PG diploma in Bioinformatics	UGC	5 years	47,50,000/-
4	Electronic Equipment Maintenance	UGC	5 years	7,00,000/-
5	Embedded Software System design,	UGC	5 years	10,00,000/-
6	Computer Hardware Networking,	UGC	5 years	10,00,000/-
7	Food Processing	UGC	5 years	10,00,000/-
8	Drug Analysis	UGC	5 years	10,00,000/-
9	Mobile Repairing	UGC	5 years	10,00,000/-
10	MATLAB Training course.	UGC	5 years	10,00,000/-

- ## **Employability Enhancement Initiatives**

To add employability and skill development components even to the conventional courses, the college offers 07 skill oriented certificate courses. An extra hour is added to the time schedule for the smooth conduct of these courses. Industry-academia interface was promoted to increase the employability of students as well as to link theoretical knowledge with the real world situation. The activities of Career Guidance Cell are intensified for the purpose of student support, training and progression. Placement drives were conducted in the campus and students were encouraged to participate in such programmes held by other organizations as well. Regular coaching classes for job oriented competitive examinations such as IIT-JAM/CSIR/UGC-NET/JRF/SET/Civil Service Examinations. College started regular classes for the civil services; PMSC, UPSC, PSI, STI, Bank Clerical etc in interdisciplinary with Dayanand college of Arts. Most of the students belonging to COC set their part time business in the city and they got income for further education.

- ## **Initiatives in Curriculum Design**

The curricula of UGC supported innovative programme PG Diploma in Bioinformatic. Add-On and Enrichment/ Certificate Courses are framed and designed by our faculty. The college has contributed to the designing of the Curriculum by Swami Ramanand Teerth University Nanded. Forwarding the syllabus and study materials used in the college, as a source of reference. Members of our faculty, nominated by the University to its curriculum framing committees, have rendered significant service in making the industry based curriculum.

- ## **Quality Enhancement Initiatives**

The major thrust of IQAC activities during the period was training and orientation to adapt teachers to the new ICT supported learner-centered interactive instruction. Twenty qualified persons were appointed as permanent faculty in various departments during the post accreditation period and quality training was imparted to them. Participation in Orientation courses and Refresher courses organized by Academic Staff College, was encouraged. Efforts were taken to improve quality in teaching and learning by providing facilities and equipment in five digital class rooms and seminar halls like computers, LCD projectors etc. Training and encouragement is given to faculty for use of ICT in curriculum delivery and e-content development. Digital Lab facility is available in the Botany and Zoology Departments. Continuous professional development schemes such as FIP for completion of Ph.D. studies were sanctioned. Four faculty has availed FIP for completion of Ph.D. during this period. 12 faculty awarded by Ph. D. and remaining 13 permanent faculty are appearing in the Ph. D. course. IQAC has prepared a performance self appraisal form for the faculty. The college library is subscriber to INFLIBNET N-LIST which makes available 92,000 e-books and 4,500 e-journals in full text format to the faculty, researchers and students.

- ### Research, Consultancy and Extension

Improvement of quality of research was focused on, during the post accreditation period. In this initiative, the IQAC collaborated with all the departments in organizing discipline specific and interdisciplinary seminars of various dimensions, mobilizing resources and expertise for the purpose. 12 research oriented National / International workshops/seminars were conducted for the faculty, 06 Inspire camps are organized for the students. Every year students of UG, PG participates and present their papers in the seminar competition. The Research Centre of Microbiology produced three PhDs. Four scholar are working for PhD. The College has five research guides and nine research scholars, with one more faculty awaiting guideship. Four UGC funded minor projects were undertaken by the faculty successfully completed. Three Major research projects are ongoing. Four major and three minor research projects are applied to UGC. One project is applied to the DST. A total of 105 paper presentations were made in National/International Workshops /Seminars /Conferences. A total of 175 National/International Workshops/ Seminars/ Conferences attended by faculty. A total of 56 research papers published by the faculty in National/International journals, proceedings. A total of 12 books published by the faculty by the reputed publication. One proceeding book and five abstract books were of national/state level seminars were made during this period. Thirteen faculty have life membership in international/international organizations. Two faculty members got five awards.

One faculty member appointed as Referee of Ph. D thesis evaluation and viva voce of three students Faculty members are involved in consultancy and extension activities. Some are offering free service, while the funds received by others are contributed to the department. Income generated by faculty as resource persons, subject experts, project evaluators, question paper setters, examiners of other universities/ institutions etc.

College has been recognised as DST –FIST sponsored college by Department of Science and technology with of grant of Rs.67.5 lakhs.

- ### Infrastructure Augmentation

After the post accreditation period, Seminar Halls, research rooms, computer laboratories and digital class rooms were constructed spending Rs. 90 lakhs to facilitate knowledge sharing and interactive learning. A new girls hostel building is constructed with capacity of 320 girls. The full-equipped research laboratories are developed in the microbiology and physics department. Laboratory facilities in all departments were enhanced purchasing various equipment like UV spectrophotometers, 180 computers, 12 LCD projectors, 21 printers. Computers in the campus are connected by LAN with internet and Wi-Fi facility in special locations. INFLIBNET N-LIST facility is arranged in the library for e-learning. 85 CCTV cameras are connected to the classrooms and laboratories which helps in disciplined use of the resources and evaluation of teaching, learning process.

Sports facilities viz. play ground, cricket-ground, Tennis court, walking track have been developed with full fledged facilities. New Auditorium is constructed with seating capacity of 1000 audience.

Annexure

13   No.   61   16

Certificate of Registration

The Societies Registration Act, 1860

(ACT XXI OF 1860).

Registration No. OSM – 8/1962

IT IS HEREBY CERTIFIED THAT *Dayanand Education Society Latur District Osmanabad*

has this day been duly registered under the Societies Registration Act, XXI of 1860.

Given under my hand this

31st day of May 1982.

8 DEC 2008   Assistant Registrar of Societies,

Aurangabad Region, Aurangabad

D. B. Aradhya
Advocate & Notary
ATUR

Ph.: 23236351, 23232701, 23237721, 23234110
23235733, 23232317, 23236735, 23239437
UGC Website: www.ugc.ac.in

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. 1-1/2004 (CPP-I)
May, 2008

The Principal,
Dayanand Science College,
Latur-413 531,
District Latur (M.S)

Sub:- Recognition of Dayanand Science College, Latur-413 531, District Latur (M.S) under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

With reference to your letter No. 06/07-08/1639 dated nil on the above subject, I am directed to say that the name of **Dayanand Science College, Latur, District Latur (M.S)** is included in the list of Colleges maintained under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head Non-Government Colleges teaching upto Bachelor's Degree. The College is also eligible to receive Central assistance under Section 12 (B) of the UGC Act.

Yours faithfully,

(Mrs. Sunita Gulati)
Section Officer

PRINCIPAL,
Dayanand Science College
LATUR

महाराष्ट्र शासन

कार्यालय, विभागीय शिक्षण सहसंचालक,

(उच्च शिक्षण), नांदेड विभाग, नांदेड.

(शासकीय तंत्रनिकेतन परिसर, नांदेड-४३१६०२, फोन ०२४६२-२५३१४४)

जा.क्र. 3354   दि. 6 /8 /२०१३.

File No. 59
Ref No. 103   **Certificate**
Date: 17-8-13

This is to Certify that Dayanand Science College, Latur Tq. &

Dist Latur is 100 % Granted from academic Year 1979 onwards. Hence

certified and issued.

Joint Director
Higher Education
Nanded

To,
The Principal,
Dayanand Science College, Latur,
Tq. & Dist. Latur.

MARATHWADA UNIVERSITY

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        :  }   3721 to 3727                                          University Campus
  PBX                                                                 AURANGABAD
egistrar's Resi. .. 2703                                                Maharashtra
 Tele A ress : MARATHSITY
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Re.Ref. No. Affi/ 66 /76-77   27 DEC 1977

The secretary to the
Government of Maharashtra
Education Department,
Mantralaya, Annexe,
B O M B A Y - 32.

Subject:- Affiliation
          Permanent/Continuation/Extension of
          affiliation of the
          Dayanand Science College, Latur.

          from June 15, 1977.

Sir,

        I have the honour to state that according to section 42(6)
of the Marathwada University Act, 1974, the Registrar shall
submit the application and all proceeding of the Academic and
Executive Councils to the senate, and the senate shall, after
such further inquiry as it may think necessary, record its
resolution, which shall be forwarded to the State Government,
together with all proceedings, for deciding to grant or reject
the application, in part or in whole. I am accordingly enclo-
sing a copy of the application along with two copies of pro-
ceedings showing the teaching courses of study for which the
above named college has requested for permanent/Continuation/
Extension of affiliation from June, 1977.

        The Executive Council of this University had appointed a
Local Inquiry Committee to report on the application. The
report of Local Inquiry Committee was considered by the
Academic Council at its meeting held on September 30, 1977
when it recommended to the Executive Council the affiliation
of the above named college on certain conditions. The
Executive Council at its meeting held on October 4, 1977
considered the recommendations of the Academic Council and
submitted report to the Senate. The Senate at its meeting
held on October 31, 1977 approved the said report in the
matter of affiliation and recorded their opinion that the
affiliation of the above named College to the University be
continued/for a period of one year and extended for a period
of one year with effect from June 1977 for teaching courses
of study mentioned in proceedings, subject to the fulfilment
of certain conditions to the satisfaction of the Executive
Council.

        The College authorities are being requested to give an
undertaking in regard to the fulfilment of the conditions laid
down by the University for affiliation. The Executive Council
will take necessary steps to satisfy itself about the actual
fulfilment of the conditions and a report will be made to
Government in due course, in regard thereto.

        This letter may please be acknowledged.

                                                    Yours faithfully,

Encls: (Four).
                                                    Sd/-
                                                    Registrar.

- 2 -

1. Copy forwarded with compliments alongwith copies of application, proceedings and Local Inquiry Committee report to the Director of Education, Maharashtra State Poona-1, for information.

Encls: (Three).

2. Copy with a copy of affiliation proceeding is forwarded with compliments to the Principal,

    Dayanand Science College, Latur.
....

....

with a request to forward the undertaking regarding the fulfilment of conditions to the undersigned by return of post.

Encls: (One).

                                      Registrar.

* * *

SKD/-(533-584)

फोन : (०२४६२) २२९२४२ / ४३
फॅक्स : (०२४६२) २२९२४५ / २२९३२५

Phone : (02462) 229242 / 43
Fax : (02462) 229245 / 229325

स्वामी रामानंद तीर्थ मराठव ग विद्यापीठ, नांदेड

Swami Ramanand Teerth Marathwada University, Nanded.

Ref : Acad/affi/03/2011-12/ 2264

Date :28/12/2011

06|01|2012

-: CERTIFICATE :-
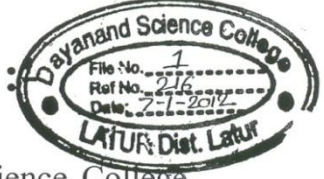
This is to certify that, Dayanand Science College, Latur, Dist. Latur is affiliated to this University for the academic year 2010-2011 & 2011-2012.

Hence certified.

Director,
Board of College and University
Development

To,
The Principal,
Dayanand Science College,
Latur, Dist. Latur

Rawale 153

F: Affi.Certi./Affiliation Certificate.doc.

170

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the

National Assessment and Accreditation Council

on the recommendation of the duly appointed

Peer Team is pleased to declare the

Dayanand Education Society's

Dayanand Science College

Latur, affiliated to Swami Ramanand Teerth Marathwada University, Maharashtra as

Accredited

at the B++ level

Date : February 16, 2004

Director

- This certification is valid for a period of *Five* years with effect from February 16, 2004
- An institutional score (%) in the range of 55-60 -C grade, 60-65 -C+grade, 65-70 - C++grade, 70-75 - B grade, 75-80 -B+ grade, 80-85 - B++ grade, 85-90 - A grade, 90-95 - A+ grade, 95-100 - A++ grade (upper limits exclusive).

Quality Profile

Name of the Institution : Dayanand Education Society's
Dayanand Science College

Place : Latur, Maharashtra

Criterion	Criterion Score (C_i)	Weightage (W_i)	Criterion X Weightage ($C_i \times W_i$)
I. Curricular Aspects	60	10	600
II. Teaching-learning and Evaluation	90	40	3600
III. Research, Consultancy and Extension	80	05	400
IV. Infrastructure and Learning Resources	80	15	1200
V. Student Support and Progression	80	10	800
VI. Organisation and Management	80	10	800
VII. Healthy Practices	75	10	750
		100	$\Sigma C_i W_i = 8150$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{8150}{100} = 81.50$$

Director

Declaration

DATE: 01 Jan. 2014

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR for Re-accreditation is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Dr. Jaiprakash S. Dargad
Principal

Place: Latur
Date: 01 Jan. 2014

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **Dayanand Science College, Latur.** (Name of the institution) fulfils all norms

1.   Stipulated by the affiliating University and/or
2.   Regulatory Council/Body [such as NCTE, AICTE, MCI, DCI, BCI, etc] and
3.   The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 01 Jan. 2014   Principal / Head of the Institution
Place: Latur.   (*Name and Signature with Office seal*)