Dayanand Education Society's

Dayanand Science College, Latur, Maharashtra India

Annual Quality Assurance Report 2016-2017

IQAC

Submitted To

The Director,
NAAC
P.O.Box 1075, Nagarbhavi,
Bangalore-560072 Karnataka (India)

By

Principal
Dayanand Science College, Latur,
Maharashtra, India.
Web: www.dsclatur.org
Phone no: 02382 222929, 09403970550
Fax No.02382 221149 Pin: 413512
Institution Track Id: MHCOGN10815

Guidelines for the Creation of the

Internal Quality Assurance Cell (IQAC)
and Submission of Annual Quality Assurance
Report (AQAR) in Accredited Institutions

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

CONTENTS

The Annual Quality Assurance Report (AQAR) of the IQAC - 2014-15

Document revised by:-
Dr. Ganesh Hegde, Assistant Adviser and B. S. Ponmudiraj, Assistant Adviser, NAAC.

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC.

	Part – A	
1.	**Details of the Institution**	

1.1	Name of the Instituion	Dayanand Science College, Latur.

1.2	Address Line 1	Barshi Road, Latur.
	Address Line 2	Barshi Road, Latur.
	City/Town	Latur.
	State	Maharashtra, India
	Pin Code	413512
	Institution e-mail address	daya_scin1@rediffmail.com
	Contact Nos.	02382 - 221149, 02382 - 222929
	Name of the Head of the Institution:	Dr. Jaiprakash S. Dargad Principal
	Tel. No. with STD Code:	02382-221149 02382-222929
	Mobile:	09403970550
	Name of the IQAC Co-ordinator:	Dr. S. S. Bellale
	Mobile:	09405417417
	IQAC e-mail address:	iqac.dscl@gamil.com

1.3	NAAC Track ID *(For ex. MHCOGN 18879)*	MHCOGN10815

1.4	**NAAC Executive Committee No. & Date:** *(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)*	NAAC-WR /GH/MHCOGN10815 / 2nd –Cycle/2014 Date:-24th January 2014

1.5	Website address:	www.dsclatur.org

Web-link of the AQAR:	http://dsclatur.org/iqac

1.6	Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B++	81.50	24/01/2004	5 years
2	2nd Cycle	A	3.14	05/05/2014	04 May,2019
3	3rd Cycle	-	-	-	-

1.7	Date of Establishment of IQAC :	16/06/2006

1.8	AQAR for the year *(for example 2010-11)*	AQAR for the year 2016-17

1.9	Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC	
i.	AQAR 2013-2014 Submitted	(06 / 07 / 2015)
ii.	AQAR 2014-2015 Submitted	(11 / 09 / 2015)
iii.	AQAR 2015-2016 Submitted	(02 / 11 / 2018)
iv.	AQAR 2016-2017 Submitted	(26 / 11 / 2018)

1.10	Institutional Status

University		State	✓
		Central	-
		Deemed	-
		Private	-

Affiliated College	Yes	✓
	No	-

Constituent College	Yes	✓
	No	-

Autonomous college of UGC	Yes	-
	No	✓

Regulatory Agency approved Institution	Yes	-
	No	✓

(e g. AICTE, BCI, MCI, PCI, NCI)

Type of Institution		Co-education	✓
		Men	-
		Women	-
		Urban	-
		Rural	✓
		Tribal	-

Financial Status	Grant-in-aid	✓
	C 2(f)	✓
	UGC 12B	✓
	Grant-in-aid + Self Financing	✓
	Totally Self-financing	-

1.11	Type of Faculty/Programme	
	Arts	-
	Science	✓
	Commerce	-
	Law	-
	PEI (Phys Edu)	-
	TEI (Edu)	-
	Engineering	-
	Health Science	-
	Management	-

Others (Specify)	-

1.12	Name of the Affiliating University *(for the Colleges)*
	Swami Ramanand Teerth Marathwada University, Nanded.

1.13	Special status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR etc	
	Autonomy by State/Central Govt. / University	No
	University with Potential for Excellence	No
	DST Star Scheme	No
	UGC-Special Assistance Programme	Yes
	UGC-Innovative PG programmes	01
	UGC-COP Programmes	02
	UGC-CPE	Yes
	UGC-CE	No
	DST-FIST	Yes
	Any other (Specify)	No

2.	**IQAC Composition and Activities**	
2.1	No. of Teachers	**08**
2.2	No. of Administrative/Technical staff	**02**
2.3	No. of students	**01**
2.4	No. of Management representatives	**04**
2.5	No. of Alumni	**01**
2.6	No. of any other stakeholder and community representatives	**-**
2.7	No. of Employers/ Industrialists	**-**
2.8	No. of other External Experts	**01**
2.9	Total No. of members	**17**
2.10	No. of IQAC meetings held	**04**

2.11	No. Of meetings with various stakeholders:	
	No.	**02**
	Faculty	**15**
	Non-Teaching Staff Students	**06**
	Alumni	**02**
	Others (Student)	**04**

2.12	Has IQAC received any funding from UGC during the year?	Yes	✓
		No	-
	If yes, mention the amount	**3,00,000/-**	

2.13	Seminars and Conferences (only quality related)	
	(i) No. of Seminars / Conferences / Workshops / Symposia organized by the IQAC	
	Total No.	14
	International	01
	National	04
	State	03
	Institution Level	06
	(ii) Themes	1) International Conference on Mathematical Analysis and Its Applications (ICMAA-2017)
		2) Regional Workshop on Research Method in Mathematics.
		3) Ph.D. Course work in Mathematics.
		4) Refresher Course in the Subject of Chemistry.
		5) Refresher Course in the Subject of Physics.
		6) Marathwada Mathematics Seminar Competitions.
		7) Department of Mathematics organized University Level Madhava Seminar Compition for B. Sc. Mathematics students.
		8) Organized 3 Days Lecture Workshop during 24 - 26 December, 2016 for B.Sc. III year students sponsored by Indian Academy of Sciences Bangluru in Physics, Chemistry and Mathematics.150 student from different colleges of Latur district participated in this workshop. 6 Scientist and Academic Fellows from Hyderabad University, IIT, Mumbai University, Pune University given plannery lectures in this workshop.
		9) Entrepreneurship Development Workshop organized for 120

		girls students during 3 - 5 Jan, 2017 in collaboration with Latur District Industrial Entrepreneurship Development Office
		10) 2 dyas workshop for B.Sc. (Computer Science) students is organized on communication skill, personality development, profile preparation etc during 21 - 22 Jan., 2017 by Radiant Guidelines Pune.
		11) A workshop for all the students and working womens of our Institute is organized on **"Sensitisation Programme on Sexual Harassment of Students and Womens in college campus".**
		12) Workshop of Yuwati Kalayan Mandal and is inausuration with the auspicious honor of DYSP Suvarna Umap& Dr. Varsha Patil a welknown personelity.
		13) Workshop girls student being informed with the latest mobile App **" Pratisad "**and its demo by the DYSP of Latur.
		14) Seminar of Dr. Varsha Patil was given a speech on **"विद्यार्थिनींची मानसीकता"** with beautiful illustrarious.

2.14	Significant Activities and contributions made by IQAC
	- Academic Audit by eternal committee Auditors - Academic Audit by Auditors appointed by Dayanand Education Society, Latur. - Administrative Audit - Activity group Audit Initiated process of online payment of fees - Initiated process of RFID - New classrooms – functional - New E-learning lab, Commerce lab and language labs – civil work begun - Recommended and initiated the process of revamping web site - Mobile app for PATS & infrastructure - Development of in house software for Class / Room / Department / Teacher wise timetables - 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.

2.15	Plan of Action by IQAC/Outcome
	The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Meeting:

  The IQAC meeting is conducted on 16th Dec. 2016 at 05.00pm under the chairmanship of Principal Dr. J.S. Dargad. In this meeting the committee members discussion the academic progress as per the year 2016-2017

The following members were present fulfilling the 2/3 all quorum of meeting.

Agenda:

1. Review of functioning IQAC since June 2016.
2. Outcomes of the year 2015-2016 as per the action plan criteria.
3. Action plan for the year 2016-2017.
4. Action plan for the year 2017-18
4. NAAC Peer-team suggestions and its implementation.
5. Any other matters with the permission of the chair.

Minutes:
1.   Review of functioning IQAC since June 2016.

1. Proposal Submitted Star College Award – 2016
2. Proposal for Best Principal Award – 2016
3. Proposal for CPE – 2016
4. Proposal of ICMAA-2017 to NBHM,INSA,DST,UGC,CSIR,DRDO, SRTMUN.
5. Proposal of ICMAA-2017 to Home Ministry, NITI Ayog.
6. AQAR Report Submitted -2015

2. Progress on Action plan for the year 2016-2017.
1. To organize International Conference in the subject of Pure and applied Mathematics in March 2017.
   1) Dr. S.S. Bellale,   2) Prof. V.D. Gaikwad.
2. To submit the application for the recognition of research guide by the following faculty.
   1) Dr. V.A. Chaudhari   (Physics)
   2) Dr. M.A. Bembade   (Sport)
   3) Dr. V.D. Mote   (Physics)
   4) Dr. N.S. Korde   (Chemistry)
3. To organize at least two Inspire Science Camp, one Vigyan Munch Camp, Awishkar Research Festival.
4. To organize National / International Conference in the subject of Physics.
   1) Dr. V.A. Choudhari   2) Dr. L.V. Thakre
5. To organize National / International Conference in the subject of Life Sciences.
   1) Dr. R.V. Solunke   2) Dr. C.S. Swami

6. To submit the proposal for Research centre for Chemistry Department.
   1) Prof. Y.P. Sarnikar.
7. To submit the proposal for Major Research Project UGC or DST.
   1) Dr. C.S. Swami.   2) Dr. V.A. Chaudhari
   3) Dr. L.V. Thakre
8. To Set up Science Research Foundation for Promoting interdisciplinary Research:
   1) In life science   (Vice – Principal, Prof. M.B. Deshmukh)
   2) In material science   (Dr. L.V. Thakre)
9. To develop Three Audio / Visual Classrooms, Digital interactive boards in Chemistry Dept.

10. Students should make relevant field trips/study trips by the Department.
    1) Zoology & Fishery 2) Electronics, Computer Science 3) Botany
    4) Ind. Chemistry
11. Three days workshop for girl students on "Entrepreneurship Development" by Prof. S.K. Alane.
12. Alumni Association Meetings:- Dr. S.B. Kathare two time.
    i) Complete the registration process of Alumni Association and display it on website.- Dr. S.B. Kathare.
       ii) To organize at least two meetings with alumni association. –
           Dr. S.B. Kathare.
13. To conduct the Internal & External Audits of all the Departments
    during 15th to 20th of April, 2016.
14. To organize "west zone Inter University Badminton Men's Tournament" in Oct., 2016.
15. To organize the Detection camp of MNP of water sample of student drinking water tank in every month by Microbiology Dept.
16. To organize National work shop in Chemistry Dept.
17. To organize hands on experience program for the teachers and student of 8th to 10th standard in Jan. 2017.
18. To organize University level seminar competitions for UG,PG Student in Mathematics Dept.
19. To organize course work program for Ph.D. Student in Mathematics.

3. Progress/outcome as per year 2015-2016.
1. College Received UGC-CPE.
2. Received Best - Principal Award,
3. Received Sanction and affiliation to Research Centres in Physics.
4. Sanction new course of PG in Mathematics, Physics and started.
5. Sanction new Divisions for B.Sc. and Business Mathematics.
6. Sanctioned grants for ICMAA-2017 by NBHM,CSIR, INSA, SRTMUN,
7. Department of Mathematics organized two course work for Ph.D. Student.
8. Department of Mathematics organized regional work shop on " Research Methodology for Ph.D. Student".
9. Received recognition of research guide to the following faculty.
    1) Dr. V.A. Chaudhari   (Physics)
    2) Dr. M.A. Bembade   (Sport)
    3) Dr. V.D. Mote   (Physics)
10. Received acceptance for the proposal of Major Research Project from DST.
    1) Dr. V.D. Mote   (Physics)
    2) Dr. S.S. Bellale   (Mathematics)
    3) Dr. R.V. Solunke   (Zoology & Fishery)
11. Developed Two Audio / Visual Classrooms in the Department of Mathematics and Bioinformatics.
12. Completed the interior work in Conference Hall, Digital MATLAB, Research Centre in Botany and Microbiology.

13. Department of Zoology, Physics & Industrial Chemistry has organized field trips/study trips.

14. Alumni Association Meetings is organized twice.

15. Organized two days training program for non-teaching staff on "Use of computer in Laboratory" by Department of Computer Science.

16. Prof. M.B. Deshmukh Received "IDEAl Teacher Award" by Rotary club of Latur, Midtown on the occasion of teacher's day on 5th Sept.,2016.

*** Attach the Academic Calendar of the year as Annexure.**

2.16	Whether the AQAR was placed in statutory body	
	Yes	✓
	No	-
	Management	✓
	Syndicate	-
	Any other body	-

Part – B

Criterion – I

1. Curricular Aspects

1.1	Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph. D.	03	-	-	-
PG	04	02	06	-
UG	02	-	01	-
PG Diploma	01	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	06	-	-	04
Others	-	-	-	-
Total	16	02	07	04

Interdisciplinary				
Innovative				

1.2	(i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options:
	(ii) Pattern of programmes:

Pattern	Number of Programmes
Semester	10
Trimester	00
Annual	06

1.3	Feedback from stakeholders* (**on all aspects**)	
	Alumni	✓
	Parents	✓
	Employers	✓
	Students	✓
	Mode of feedback :	
	Online	-
	Manual	✓
	Co-operating schools (for PEI)	-

*Please provide an analysis of the feedback in the Annexure

1.4	Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.
	The Revision of Syllabi made by University in B.Sc. II year

1.5	Any new Department/Centre introduced during the year. If yes, give details.			
Sr. No.	**Course**	**Agency**	**Duration**	**Amount**
1.	M.Sc. Mathematics	SRTMUN	-	-
2.	M.Sc. Physics	SRTMUN	-	-

Criterion – II

2. Teaching, Learning and Evaluation

2.1	Total No. of Permanent Faculty				
	Total	**Assistant Professors**	**Associate Professors**	**Professors**	**Others**
	25	**21**	**04**	**0**	**0**

2.2	No. of Permanent faculty with Ph.D.	**16**

2.3	No. of Faculty Positions Recruited (R) and Vacant (V) during the year									
	Assistant Professors		**Associate Professors**		**Professors**		**Others**		**Total**	
	R	**V**	**R**	**V**	**R**	**V**	**R**	**V**	**R**	**V**
	21	**16**	**04**	**-**	**-**	**-**	**-**	**-**	**25**	**16**

2.4	No. of Guest and Visiting faculty and Temporary faculty	**-**	**-**	**40**

2.5	Faculty participation in conferences and symposia:			
	No. of Faculty	**International level**	**National level**	**State level**
	Attended Seminars/ Workshops	**25**	**08**	**10**
	Presented papers	**10**	**05**	**-**
	Resource Persons	**07**	**02**	**03**

2.6	Innovative processes adopted by the institution in Teaching and Learning:

- 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.
- Use of language labs for literature classes. Use of ICT tools like projectors to display diagrams, pictures, films and movies.
- 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.
- Effective feedback mechanism, efficient functioning of IQAC, systematic academic

	plan, and review of each programme organized. • Encouraging participatory approach in decision-making and involvement of the faculty in the annual budget preparation. • Adoption of principle of inclusiveness, and organizing programmes that promote gender sensitivity, sense of belongingness and respect for others

2.7	Total No. of actual teaching days during this academic year	**206**

2.8	Examination/ Evaluation Reforms initiated by the Institution for example : (Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)
	Evaluation process & Reforms: • Two Internal Examinations in each semester based on Theory & MCQ's is taken by the College. • The University Exams are at the end of each Semester. • Evaluation is made by taking Assignments, Seminars, Projects & Quiz Competitions in classroom. • Overall evaluation is made by face to face feedback from student taken by the principal, IQAC Coordinator in each class at the end of semester and which communicates with corresponding faculty. • Evaluation of teaching learning process periodically. • Written feedback from students regarding staff performance. • Result analysis is done after every term exam / unit test. • Every teacher prepares his result and makes self-analysis. • The results are discussed in IQAC. The teachers doing good are felicitated. • Some special formats are provided to the CR for class Evaluation. • Result analysis is taken every year. • Information about evaluation programme is given to the students after admission. • Regular class tests and semester end examinations are used to evaluate students performance. • College constitutes a separate examination committee for smooth conduction of college and university level examinations. • Two Internal Examinations in each semester based on Theory & MCQ's is taken by the College. • The University Exams are at the end of each Semester. • Evaluation is made by taking Assignments, Seminars, Projects & Quiz Competitions in classroom. • Overall evaluation is made by face to face feedback from student taken by the principal, IQAC Coordinator in each class at the end of semester and which communicates with corresponding faculty. • Evaluation of teaching learning process periodically. • Written feedback from students regarding staff performance. • Result analysis is done after every term exam / unit test. • Every teacher prepares his result and makes self-analysis.

- The results are discussed in IQAC. The teachers doing good are felicitated.
- Some special formats are provided to the CR for class Evaluation.
- Result analysis is taken every year.

2.9	No. of faculty members involved in curriculum restructuring / revision / syllabus development as member of Board of Study / Faculty / Curriculum Development workshop	**06**	**01**	**02**

2.10	Average percentage of attendance of students	**87%**

2.11	Course/Programme wise distribution of pass percentage :								
Sr. No.	**Class**	**Total Student**	**Attend Exam Student**	**Pass Student**	**ATKT**	**Pass/ ATKT Total**	**Fail**	**Perce ntage%**	**Uni.%**
1.	B.Sc. I	304	280	156	75	233	47	83.21	60.65
2.	B.Sc. II	241	240	136	77	236	07	98.33	73.92
3.	B.Sc. III	168	168	126	-	-	42	75.00	41.57
4.	B.CS. I	77	71	20	20	44	33	61.97	55.99
5.	B.CS. II	43	41	14	14	36	05	87.80	73.05
6.	B.CS. III	17	17	15	-	-	02	88.24	61.82
7.	M.Sc. I Chem.	39	35	14	14	28	07	80.00	63.26
8.	M.Sc. II Chem.	27	25	20	-	-	05	80.00	66.33
9.	M.Sc. I C.S.	24	21	11	05	17	04	80.95	68.02
10.	M.Sc. II C.S.	13	13	11	-	-	02	84.62	64.55
11.	M.Sc. I Micro.	34	30	11	14	25	05	83.33	67.69
12.	M.Sc. II Micro.	17	17	10	-	-	07	58.82	48.48
13	M.Sc. I B.T.	20	16	08	06	14	02	87.50	87.60
14.	M.Sc. II B.T.	10	09	07	-	-	02	77.78	75.28
15.	M.Sc. I Math.	68	64	22	15	37	27	57.81	57.48
16.	M.Sc. I Phy.	32	28	08	12	20	08	71.43	63.28

2.12	How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :
	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. 1. IQAC plays an important role in the quality enhancement in the teaching-learning process. 2. It conducts regular meetings of Heads of concerned departments regarding activities related to the academic development of students such as regular lectures, guest lectures, seminars, workshops, co-curricular activities, and study tours are planned. 3. IQAC analyzes the feedback obtained from the students on faculty, curriculum, infrastructure etc. and suggests suitable steps for improvement. 4. Feedback from parents obtained by Parent Relation Officer (PRO). 5. Feedback from students through suggestion box and feedback form.

	6. Result analysis. 7. Oral Feedback from students and parents. 8. Online feedback on website. 9. External peer team from Dayanand Commerce College, Latur gives feedback on teacher's evaluation.

2.13	Initiatives undertaken towards faculty development	
	Faculty / Staff Development Programmes	*Number of faculty benefitted*
	Refresher courses	**07**
	UGC – Faculty Improvement Programme	**03**
	HRD programmes	**--**
	Orientation programmes	**02**
	Faculty exchange programme	**--**
	Staff training conducted by the university	**10**
	Staff training conducted by other institutions	**--**
	Summer / Winter schools, Workshops, etc.	**03**
	Others	**10**

2.14	Details of Administrative and Technical staff				
	Category	**Number of Permanent Employees**	**Number of Vacant Positions**	**Number of permanent positions filled during the Year**	**Number of positions filled temporarily**
	Administrative Staff	**16**	**01**	**04**	**--**
	Technical Staff	**34**	**02**	**06**	**--**

Criterion – III	
3. Research, Consultancy and Extension:	

3.1	Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution
	Every year IQAC action plan promote the research extension activity in the college execute step by step in the academic year.

- The College has research committee of three members.
- Principal is the Chairman while Vice-Principal and IQAC Chairman act as members.
- The college research committee and Avishkar (student research) committee works with IQAC for promotion of research.
- IQAC take constant efforts to upgrade common facility centre and motivates faculty and students for using the facilities.
- Focuses on Research Capacity building and it encourages for knowledge sharing.
- Faculty is motivated to take Major, Minor research projects and short-term research programs.
- Lectures and speeches of eminent persons are organized to improve and enhance research potential and initiate quality assessment standards.
- Organization of research festival for UG and PG students
- IQAC provides information about the national international fellowship programs.
- Periodic events to improve skills in writing and reviewing research papers are conducted for interested research students.
- The students and staff were trained to employ different research methods with the help of technology in their subjects.
- Faculty is motivated to apply for faculty development program and faculty recharge programme.
- Students are motivated by giving small research projects.
- IQAC provides information about the national international fellowship programs.
- Special workshops for research of students were organized.
- Programs by different forums are promoted.
- The committee encourages the faculty to submit Major/Minor Research Projects to UGC and other funding agencies.
- The College provides special amount of Grant to attend the National & International Conference to the faculty.
- A large number of publications in Journals is contributed by faculty.
- The Guest Lectures of eminent scientists are arranged for faculty & students.
- A very good industrial linkages in most of the departments are used in developing and updating students awareness.
- The College has one recognized research centre in Microbiology Department and two research centres with equipments and facilities for research.
- Major/Minor Research Projects are sanctioned by DST & UGC.

	• 15 Seminars and workshops are conducted.				
3.2	Details regarding major projects				
		Completed	**Ongoing**	**Sanctioned**	**Submitted**
	Number	02	01	02	05
	Outlay in Rs. Lakhs	14,00,000/-	10,00,000/-	1,25,00,000/-	60,00,000/-

3.3	Details regarding minor projects				
		Completed	**Ongoing**	**Sanctioned**	**Submitted**
	Number	-	-	-	04
	Outlay in Rs. Lakhs	-	-	-	18,00,000/-

3.4	Details on research publications			
		International	**National**	**Others**
	Peer Review Journals	**14**	**05**	**03**
	Non-Peer Review Journals	**-**	**-**	**02**
	e-Journals	**07**	**02**	-
	Conference proceedings	**05**	**03**	**02**

3.5	Details on Impact factor of publications:	
	Range	0.8 to 4.2
	Average	2.1
	h-index	-
	Nos. in SCOPUS	4

3.6	Research funds sanctioned and received from various funding agencies, industry and other organisations.				
	Nature of the Project	**Duration Year**	**Name of the funding Agency**	**Total grant sanctioned**	**Received**
	Major projects	5 years	DST	1,25,00,000/-	40,00,000/-
	UGC	5 years	UGC-CPE	1,50,00,000/-	48,00,000/-
	UGC & IQAC	5 years	IQAC	3,00,000/-	3,00,000/-
	MPCB	5 years	State Govt.	7,00,000/-	7,00,000/-
	Industry sponsored	-	-	-	-
	Projects sponsored by the University/ College	-	-	-	-
	Students research projects *(other than compulsory by the University)*	5year	DST-AORC	27,00,000/-	20,00,000/-
	Any other(Specify)	2016-17	DST-Inspire	12,00,000/-	12,00,000/-
	Total	-	-	**3,24,00,000/-**	**1,30,00,000/-**

3.7	No. of books published				
i)	With ISBN No.	02	Chapters in Edited Books		02
ii)	Without ISBN No.	04			

3.8	No. of University Departments receiving funds from	
	UGC-SAP	✓
	CAS	-
	DST-FIST	✓
	DPE	-
	DBT Scheme/funds	-

3.9	For colleges	
	Autonomy	-
	CPE	✓
	DBT Star Scheme	-
	INSPIRE	✓
	CE	-
	Any Other (specify)	-

3.10	Revenue generated through consultancy
	As our faculty provides consultancy on voluntary basis as per the problems observed in local areas such as:
	- Oil industry related analysis. - Regarding hardness of water of bore wells. - Detection of blood groups. - T.D.S. of water. - Drinking water analysis for portability. - Well water analysis of the farmers to export the agricultural goods. - Calculation of enzyme units for enzyme industry.

3.11	No. of conferences					
	organized by the Institution					
	Level	**International**	**National**	**State**	**University**	**College**
	Number	**01**	**04**	**03**	**03**	**06**
	Sponsoring agencies	NBHM,DST, INSA,CSIR, SRTMUN,	UGC, DST, IAS	IAS	SRTMUN	DSCL

3.12	No. of faculty served as experts, chairpersons or resource persons	**05**

3.13	No. of collaborations	
	International	**04**
	National	**10**
	Any other	**10**

3.14	No. of linkages created during this year	**12**

3.15	Total budget for research for current year in lakhs :	
	From Funding agency	**90,00,0000/-**
	From Management of University/College	**5,00,000/-**
	Total	**95,00,0000/-**

3.16	No. of patents received this year		
	Type of Patent		**Number**
	National	Applied	-
		Granted	-
	International	Applied	-
		Granted	-
	Commercialised	Applied	-
		Granted	-

3.17	No. of research awards/ recognitions received by faculty and research fellows: Of the institute in the year						
	Total	**International**	**National**	**State**	**University**	**Dist**	**College**
	18	**-**	**04**	**04**	**03**	**02**	**05**

3.18	No. of faculty from the Institution who are Ph. D. Guides	**05**
	and students registered under them	**20**

3.19	No. of Ph.D. awarded by faculty from the Institution	**03**

3.20	No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)	
	JRF	**01**
	SRF	-
	Project Fellows	**01**
	Any other	**03**

3.21	No. of students Participated in NSS events:	**150**
	University level	150
	State level	10
	National level	03
	International level	00

3.22	No. of students participated in NCC events:	**52**
	University level	52
	State level	10
	National level	02
	International level	-

3.23	No. of Awards won in NSS:	
	University level	**03**
	State level	01
	National level	-
	International level	-

3.24	No. of Awards won in NCC:	
	University level	**03**
	State level	-
	National level	-
	International level	-

3.25	No. of Extension activities organized	
	University forum	05
	College forum	10
	NCC	02
	NSS	04
	Any other	06

3.26	Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility
	- To fulfil and nourish these qualities among students Blood Donation Camps are organized twice in year by N.S.S. and N.C.C. either independently or jointly. - Detection of blood group activity. - Veterinary checkup through NSS in Special Camp. - Measurement of air pollutants like Sox, Cox, Nox 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 'Lord Ganesh Visarjan Event' yearly. - Inter University Sports events are organized to meet the college – college nighborhood. - 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. - 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.

Criterion – IV

4. Infrastructure and Learning Resources

| 4.1 | Details of increase in infrastructure facilities: |

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	**100313**	-	-	**25042.88**
Class rooms	**22**	-	-	-
Laboratories	**10**	-	-	-
Seminar Halls	**02**	-	-	-
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	40	12	UGC/ DST-Management	62
Value of the equipment purchased during the year (Rs. in Lakhs)	-	20-lakh	UGC/ DST-Management	
Others				

| 4.2 | Computerization of administration and library | **Yes** |

| 4.3 | Library services: |

	Existing		Newly added		Total	
	No.	**Value**	**No.**	**Value**	**No.**	**Value**
Text Books	66415	11914107	714	276599	67129	12190706
Reference Books	1531	1830090	11	18922	1542	1849012
e-Books	8300	5000	8300	5000	8300	5000
Journals	17	577610	0	40250	17	617860
e-Journals	3800	5000	3800	5000	3800	5000
Digital Database	Internet Access		Internet Access		Internet Access	
CD & Video	238	10200	4	400	242	10600
Others a) Daily News Papers	13	48305	0	18350	13	66655
b) Periodicals	13	64073	0	6372	13	70445
c) Conference Proceeding	3	1500	1	500	4	2000
d) Unmesh	1900	28500	600	8500	2500	37000
e) Uni. Question Papers Sets	175	17500	50	5000	225	22500
f) Library Computer Lab	34	896000	0	0	34	896000

| 4.4 | Technology up gradation (overall) |

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	280	08	All	07	02	11	22	05
Added	-	-	-	-	05	02	03	-
Total	280	160	All	07	35	12	25	05

4.5	Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)
	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

4.6	Amount spent on maintenance in lakhs :	
i)	ICT	2,35,000/-
ii)	Campus Infrastructure and facilities	10,00,000/-
iii)	Equipments	8,30,000/-
iv)	Others	3,84,000/-
	Total	**24,49,000/-**

Criterion – V

5. Student Support and Progression

5.1	Contribution of IQAC in enhancing awareness about Student Support Services
	Awareness Programme:- As an innovative initiative, Students' active participation in IQAC was designed to directly involve the student community in quality enhancement and sustenance practices. The practice comprises teaching staff, whose responsibilities include liaising between IQAC and their peers, giving ideas and suggestions to enhance the quality of student life and to encourage their participation in meetings / sessions. - The prospectus of the institute provides information regarding important support services, facilities and opportunities for the willing students to get benefited. - The college website updates information of support services at regular intervals. - Efforts are made to increase campus placements, competitive exams, carrier opportunities, girl student's health program and entrepreneur skill development. - Notifications and direct circulation of information in the classrooms by faculty encourages the students to participate in support service activities. - In the beginning of academic year, IQAC forms different college-working committees of faculty having students' representation for every support service. - The committees and academic departments prepare yearly action plans and accordingly ensure maximum students participation. - The members of the Students' Wing interact with the Student Council members and disseminate information to the students on the various support services, in addition to the information provided by the Principal.

5.2	Efforts made by the institution for tracking the progression
	- The college arranges guest lecturers on NET-SET for P.G. students. - 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. - 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.

5.3	(a) Total Number of students			
	UG	**PG**	**Ph. D.**	**Others**
	850	**284**	**20**	**COC-45, M.Phil-01**

(b) No. of students outside the state	-
(c) No. of international students	-

Men	No	%
	526	
Women	No	%
	608	

Last Year					
General	**SC**	**ST**	**OBC**	**Physically Challenged**	**Total**
562	103	14	226	-	905

This Year					
General	**SC**	**ST**	**OBC**	**Physically Challenged**	**Total**
677	132	19	306	-	1134

Demand ratio	-	Dropout %	-

5.4	Details of student support mechanism for coaching for competitive examinations (If any)
	- 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 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.

The details of placement is shown below :
• **Under-Graduate Placement Details:**

Sr. No.	Year	No. of Students Enrolled	No. of Students Shortlisted
1.	2016-17	23	12

• **Post-Graduate Placement Details:**

Sr. No.	Year	No. of Students Enrolled	No. of Students Shortlisted
1.	2016-17	13	NA

• **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.

No. of students beneficiaries	-

5.5	No. of students qualified in these examinations	
	NET	03
	SET/SLET	02
	GATE	01
	CAT	-
	IAS/IPS etc	-
	State PSC	-
	UPSC	-

5.6	Details of student counselling and career guidance
	• 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 equality 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:**

		Counselling Functions/Activities
Guidance & Counselling 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 counselling Understanding others including Faculty and other Staff. in the institution Group counselling in the distinct areas like academic, personal-social, career.
Guidance and Counselling 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 counselling in various forms, stabilizing inter-personal relationships, the ethics of examinations.
Guidance and Counselling 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.

No. of students benefitted	**160**

5.7	Details of campus placement			
		On campus		***Off Campus***
	Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
	03	**26**	**13**	NA

5.9	Students Activities

5.9.1	No. of students participated in Sports, Games and other events		
	State/ University level	National level	International level
	42	**17**	**-**

No. of students participated in cultural events		
State/ University level	National level	International level
22	**04**	**-**

5.9.2	No. of medals /awards won by students in Sports, Games and other events		
Sports :	State/ University level	National level	International level
	08	**04**	-
Cultural :	State/ University level	National level	International level
	06	**02**	-

5.10	Scholarships and Financial Support		
		Number of students	**Amount**
	Financial support from institution	27	2,50,000/-
	Financial support from government	905	15,80,000/-
	Financial support from other sources	07	92,000/-
	Number of students who received International/ National recognitions	-	-

5.11	Student organised / initiatives		
Fairs :	State/ University level	National level	International level
	05	02	-
Exhibition :	State/ University level	National level	International level
	02	01	-

5.12	No. of social initiatives undertaken by the students	**07**

5.13	Major grievances of students (if any) redressed:
	There is a Grievance Redressal Cell in the college. Prof. M.A. Bembade, Prof. S.N. Ibate & Prof. M.M. Pandit is the Chairman of this Cell and resolving the issues in grievances of the Staff and students efficiently. No any grievances are recorded in this year.

Sr. No.	Date of Issue	Name of Persons	Nature of Grievances	Decision
1.	-	-	-	-
2.	-	-	-	-

This cell is working smoothly on the principle of Natural Justice and free conscience in the college campus.

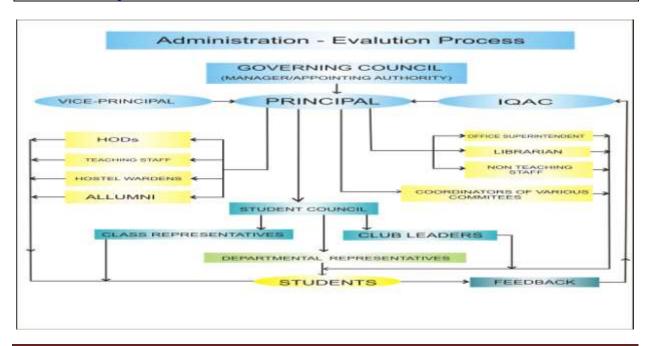| **Criterion – VI**	
6.	**Governance, Leadership and Management**

6.1	State the Vision and Mission of the institution
	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 developmen 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.

6.2	Does the Institution has a management Information System
	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 internal organization structure of the institution is as follows**:-**

6.3	Quality improvement strategies adopted by the institution for each of the following:

6.3.1	Curriculum Development
	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 Diploma 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.** 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.

6.3.2	Teaching and 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.

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 students 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.

Teacher Quality

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

| 24 | Dr. S.S. Mahurkar | Assistant Professor | M.Sc.,B.Ed,NET, Ph.D. |

6.3.3	Examination and Evaluation

- Two Internal Examinations in each semester based on Theory & MCQ's is taken by the College.
- The University Exams are at the end of each Semester.
- Evaluation is made by taking Assignments, Seminars, Projects & Quiz Competitions in classroom.
- Overall evaluation is made by feedback system.
- Every teacher prepares his result and makes self-analysis.
- The results are discussed in IQAC. The teachers doing good are felicitated.
- The reforms are made wherever necessary.

6.3.4	Research and Development

- The college has recognized research centre in the subjects of Microbiology, Physics 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.

6.3.5	Library, ICT and physical infrastructure / instrumentation

Total Library Area is 8600 Sq. Ft. Two Stock Room, One Reference Section, One Circulation Section & One Reading Room, 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 is 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.

6.3.6	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.

6.3.7	Faculty and Staff recruitment

Staff 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.

6.3.8	Industry Interaction / Collaboration:

- 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.

Department	Collaborative Institute
Chemistry	1. Tina Oil Ltd.,Latur. 2. M.O.J.J. Pune.
Zoology & Fishery Science	➢ 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.

6.3.9	Admission of Students
	A) Publicity of admission process: 1) Prospectus 2) College Website 3) Print media B)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.

6.4	Welfare schemes for
Teaching **Non teaching**	• College runs following welfare schemes. • College gives assurance 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 are 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.
Students	1)Earn and Learn Scheme 6) Personality Development 2)Special Guidance Scheme 7) NCC 3)Book Bank 8) NSS 4)Internet Facility 9) Prizes & Awards 5)Students' Aid Fund

6.5	Total campus fund generated	30,00,0000/-

6.6	Whether annual financial audit has been done	Yes	✓
		No	

6.7	Whether Academic and Administrative Audit (AAA) has been done?				
		External		**Internal**	
	Audit Type	**Yes/No**	**Agency**	**Yes/No**	**Authority**
	Academic	Yes	-	Yes	-
	Administrative	Yes	-	Yes	-

6.8	Does the University/ Autonomous College declares results within 30 days?		
	For UG Programmes	Yes	-
		No	✓
	For PG Programmes	Yes	✓
		No	-

6.9	What efforts are made by the University/ Autonomous College for Examination Reforms?
	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.

6.10	What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?
	• The Parent University has a provision of according the status of autonomy.

6.11	Activities and support from the Alumni Association
	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.

6.12	Activities and support from the Parent – Teacher Association
	• 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. • 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.

6.13	Development programmes for support 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.

6.14	Initiatives taken by the institution 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.

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.

Criterion – VII

7. Innovations and Best Practices	
7.1	Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

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.
- 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.
- Student and staff books issue/return SOUL 2.0 library automation software.
- INFLIBNET N-list, virtual lab facilities etc.

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:
- In this Suvidha 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. SO_2 (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 routinly 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.

7.2	Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

	- College planned to take NAAC Reaccreditation. - To facilitate the infrastructure for Museum in Zoology & Fishery Department - To Facilitate infrastructure for central computer facility - To submit the proposal for Major / Minor Research Projects under UGC Scheme - To facilitate the Research Guides in the College - To encourage participation of students in Cultural and other activities. - To promote the Faculty for attending Orientation/Refresher Course. - To develop an infrastructure for seating capacity of 150 students. - To conduct the university sports Tournaments and training camp. - To provide Research based equipments in Chemistry Department. - To organize the workshop for teachers on curriculum - Planned to go for Re-accreditation III Cycle by NAAC **Outcomes of the year 2016-2017 as per the criteria.**
	1. College Organized a National Level Refresher Course in the subject of Physics in Collaboration with Indian Academy of Sciences, Banglore during-2016.
	2. Dept. of Mathematics Organizing on International Conference in Mathematics-05-09 March, 2016.
	3. Dr. Mahesh Bembade and Dr. V.A. Chaudhari has been recognized as research guide in Physical Education and Physics Respectively by SRTMU, Nanded.
	4. Three Ph.D. student awarded Ph.D. degree in Mathematics form Mathematics Research Center.
	5. Dept. of Mathematics organized "Regional workshop on Research Methodology" Sponsored by SRTMU, Nanded 2016.
	6. Two faculty members completed their Ph.D. Total 18 permanent faculty are Ph.D. holder.
	7. During 2016-17 total 26 research paper published by the faculty and research student.
	8. In the year 2016-17 sport Dept. organized "West zone Inter University Badminton Men's Tournament" 2016.
	9. University Topper Student 2016-17
	  B.Sc. :- 1) Dhage Rainva Venkatrao – Ist (Gold)
	          2) Patil Ashwini Balasaheb - IInd (Silver)
	  M.Sc. (Biotechonology) :- 1) Gaikead Ramrao Ramesh – IInd (Silver)
	          2) Dharashivkar Neeta Gajananrao-IIIrd (Brounz)
	  M.Sc. (Chemistry) :- 1) Jagtap Jyoti Baliram – Ist (Gold)
	          2) Madkar Pooja Arun-IIIrd (Brounz)
	  M.Sc. (Microbiology) :- 1) Kulkarni Pruthvi Dileeprao – IIIrd (Brounz)
	10. Faculty Members Dr. V.A. Chaudhari, Dr. L.V. Thakre, Dr. G.H. Bane, Prof. Y.P. Sarnikar, Shri. K.R. Bhise Completed their refresher courses.
	11. Organized 3 days lecture workshop during 24-26 Dec.2016 for B.Sc. III year students sponsored by Indian Academy of Sciences Bangluru in Physics, Chemistry and Mathematics.
	12. Entrepreneurship Development Workshop was Organized for 120 girls students during 3-5 Jan, 2017 in collaboration with Latur District Industrial Entrepreneurship Development Office.
	13. Two days workshop for B.Sc. (Computer Science) Students is organized on

	communication skill, personality development, profile preparation etc during 21-22 Jan,2017 by Radiant Guidelines Pune.
14.	The College organized the Refresher Course in Chemistry during 21 June to 4 July 2017 by "Indian Academy of Sciences", Bangluru with grand Rs.8.2 lack.
15.	Dept. of Mathematics organized University Level Marathwada Seminar Competition for B.Sc. Student of 28-29 Jan.2017.
16.	Dept. of Mathematics Organised "MADHAVA Mathematical Competition" for District Level in Collaboration with NBHM.
17.	The College Organized Two Inspire Science Camps for 400 students.
18.	One Gold Medal & one Silver Medal is received by students in Youth festival organized by SRTMU, Nanded.
19.	Two days workshop was organized for students on "Entrepreneurship Development".

7.3	Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*
	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 electronic 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 remain 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 it's 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, counsellor, 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 feedback. - 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. It 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.

		Best Practices: II		
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 4 science camps in the span of last Two years as follows :		

Sr. No.	Camp	Duration	No of Students
1.	II Camp	01 - 05 Dec.-2011	150
2.	III Camp	05 - 13 Nov.-2010	150
3.	IV Camp	10 - 14 Mar.-2012	300
4.	V Camp	21 - 25 Jun.-2012	300
5.	VI Camp	19 - 23 Nov.-2012	400
6.	VII Camp	06 - 11 Nov.-2013	300
7.	VIII Camp	17 - 22 Jun.- 2014	200
8.	XI Camp	27 - 31 Oct.- 2014	200

9.	X Camp	24 - 28 Feb.- 2015	200
10.	XI Camp	18 - 22 Sept. - 2015	200
11.	XII Camp	02-06 June - 2016	200
12.	XIII Camp	26-30 Sept. - 2016	200
13.	XIV Camp	02-06 Nov.- 2016	200
14.	XV Camp	12-16 Oct.-2017	200

- 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, PUNYANAGRI 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 Canter, Mumbai.

5. **Evidence of Success:-**
- About 2250 aspiring students have been participated from XI Science having percentages in the range of 90 % to 100 %.
- Among 200 students eleven students of our college qualified for "DST-INSPIRE SHE".
- Nineteen students are admitted in the B.Sc. degree courses 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.

No. of student admitted to the UG programme due these camps.

Sr. No.	Class	Name of the Student
1.	B.Sc.I	Dnyaneshwari Tormare
2.	B.Sc.I	Suraj Sanap
3	B.Sc.I	Shrishreshtra Sahu
4	B.Sc.I	Sampada Kulkarni
5	B.Sc.I	Kiran Kendre
6	B.Sc.II	Usha Ghuge
7	B.Sc.II	Apurva Karad
8	B.Sc.II	Sakshi Agrawal
9	B.Sc.II	Irana Pathan
10	B.Sc.II	Ayesha Shaikh
11	B.Sc.III	Sapna Pawar
12	B.Sc.III	Akashay Shinde
13	B.Sc.III	Vilas Kendre
14	B.Sc.III	Pragati Jethaliya
15	B.Sc.III	Shradha Soni
16	B.Sc.III	Revati Swami
17	M.Sc.I	Priyanka Gogade
18	M.Sc.I	Sneha Sawale
19	M.Sc.I	Kiran Kendre

6.	**Problems Encountered and Resources Required:-**
	➢ Less response of Merit Students for admission 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.

	Best Practices: III	
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)	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 Counseling and Placement Cell is established and organized 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 are also given to donors.

---

*Provide the details in annexure (annexure need to be numbered as i, ii,iii)

7.4	Contribution to environmental awareness / protection
	• Through N.C.C. and N.S.S., various activities for awareness towards environmental issues are organized. • 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. **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.

7.5	Whether environmental audit was conducted?	Yes	
		No	

7.6	Any other relevant information the institution wishes to add. (For example SWOT Analysis)
	The SWOC Analysis:
	Strengths: • One of the well reputed Science faculty colleges 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.
- 60 % 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:
- 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:
- 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 Botany, Zoology and other interdisciplinary subjects.

Challenges:
- To make MOU's with leading industries for training and placement.
- To increase the communication skill in English among students.
- There are ample opportunities to attract foreign students.
- Slow but steady industrialization of the region provides better job opportunities and entrepreneurship.

8.	**Plans of institution for next year 2017-2018**
	1. To organize International Conference in the subject Physics. Submit the proposal for grant to DST, UGC, CSIR, SRTMUN upto Dec., 2017 "Science & Technology". 1) Dr. V.A. Chaudhari 2) Dr. L.V. Thakre 2. To organize National Conference in the subject of "Science & Technology" Submit the proposal for grant to DST, UGC, CSIR, SRTMUN upto Dec., 2017 1) Dr. R.V. Solunke 2) Dr. C.S. Swami 3. To organize National Conference in the subject of Life Sciences in the year 2017-18. 1) Dr. R.A.More 2) Prof. A.G. Siddiqui 4. To submit the proposal for Research centre by the Departments 1) Chemistry - Dr. S.N. Ibate , Dr. J.A. Angulwar. 2) Botany - Dr. C.S. Swami 5. To submit the proposal for PG in the subject of Botany and Zoology 1) Botany - Dr. C.S. Swami 2) Zoology - Dr. R.V. Solunke 6. To submit the application for the recognition of research guide by the following faculty. 1) Dr. A.M. Chougule (Ind. Chemistry) 2) Dr. N.S. Korde (Chemistry) 3) Dr. S.N. Ibate (Chemistry) 4) Dr. V.D. Mote (Physics) 7. Submit the proposal for Major Research Project to DST by the following faculty members. 1) Dr. S.S. Bellale (Mathematics) 2) Dr. L.V. Thakre (Physics) 3) Dr. V.D. Mote (Physics) 4) Dr. V.A. Chaudhari (Physics) 5) Dr. S.S. Mahurkar (Chemistry) 8. To make Digitalization of Class rooms in PG Sections. 9. To Start online feedback and admission system. 10. To form NAAC steering Committee to write the SSR and the Data collections for next Cycle of NAAC in March 2019. 11. To Set up Science Research Foundation for Promoting interdisciplinary Research: 1) In life science (Dr. R.A. More) 2) In material science (Dr. L.V. Thakre) 12. Alumni Association Meetings:- Prof. Y.P. Sarnikar two time. i) Complete the registration process of Alumni Association and display it on website.- Prof. Y.P. Sarnikar. ii) To organize at least two meetings with alumni association. – Prof. Y.P. Sarnikar, Dr. R.V. Solunke 13. To organize at least two Inspire Science Camp, one Vigyan Munch Camp, Awishkar Research Festival. 14. Two organize blood Donation Camp, Health Check-up Camp, Tree Plantation, Soil Test, Water Test Camp by NSS & NCC. 15. To organize one day seminar on "Quality Enhancement in Higher Education" by IQAC. 1) Dr. L.V. Thakre, 2) Dr. S.S. Bellale

16. To Organize Marathwada Seminar Competition for UG & PG student by Dept. of Mathematics
17. To organize the Refresher Course in Mathematics during 10 June to 25 June 2018 under the sponsorship of "Indian Academy of Sciences", Bangluru.
18. To start biometric attendance for UG – PG students.
19. To organize workshop on IPR and Entrepreneurship Development workshop for girls student- Prof. S.K. Alane.
20. To Up-date College web-site Dr. R.A. More, Dr. V. D. Mote Shri. K.R. Bhise.
21. To conduct the internal and external academic audit of Department on facilities Dr. A.M Chougule , Dr. J.A. Angulwar
22. To organize workshop on hands-on experiences by Dept. of Chemistry – Prof. Y.P. Sarnikar, Dr. R.S. Shinde.
23. To organize study tour and field trip for student by the Department Botany, Zoology, Computer Sci. , Ind. Chemistry.
24. To organize one day workshop one "Communication Skill" for UG & PG student.
25. To organize three days workshop on "Blue Revolution" by Dept of Zoology & Fishery – Dr. R.V. Solunke.
26. To organize one day workshop on Tissue culture – Dr. C.S. Swami
27. To conduct the one day seminar for " Preparation of UPSC & MPSC examination" – Dr. G.H. Bane (NSS)

08	NAAC Peer-team suggestions (II Cycle) and its implementation.
	• **Overall Analysis by NAAC Peer - Team:** ➤ **Strengths:** 1. Supportive and generous management, dynamic Principal and committed faculty and staff. 2. Harmonious relationship among all the stakeholders. 3. Good academic ambience. ➤ **Weaknesses:** 1. Lack of robust research culture and consultancy: (Implementation in progress) 2. Lack of linkages with industries and reputed academic and research institutions. (Implementation in progress) 3. High student: teacher ratio. (Implementation: Applied for the permeation for recruitment of faculty) ➤ **Challenges:** 1. Catering to the contemporary academic and professional needs. 2. Orienting the institutional academic activities to locally sensitive and globally relevant issues. 3. Synergizing inter / multi disciplinary initiatives. • **Recommendations for Quality Enhancement and Implementation:** 1. IQAC may be made more proactive to enhance educational and research outcome, consultancy potential and mobilizing resources through Public Privet Partnership initiatives. **Action:** 2 workshop, 11 colleges guided, 14 talks are given and continuing 2. Undertake women entrepreneurship development initiatives. **Action:** 2 workshop organized and continuing this year 3. Arrange for recruitment of teachers to optimize student: teacher ratio. **Action:** Government ban for new recruitment. 4. ICT-based facilities including smart class rooms to be extended to all departments. **Action**: ICT based facilities are provided to all departments. The smart class rooms Work going on for PG Classes of all departments 5. More PG degree Courses and diploma / certificate course to enhance employability. **Action**: 2 new PG courses started, 2 new COC courses are started, 2 Research centres are started, 1 PG Diploma applied. 6. Initiate steps to promote intrinsic talents of students in fine / performing arts and sports. **Action**:- **1) Sports :** well equipped Indoor stadium, special coaching camp for various sports events, providing advance sports equipments to enhance sports skill of the sport persons, Established new fully equipped GYM for specially girl student, Giving gifts to the elite sportsmen to motivate them, work in progress of Cricket field with turf

wickets, Organized west zone inter university BADMINTION tournament for attract students towards the sports.

1) Fine Arts : motivate students by supporting additional coach in cultural activities including gathering. Students participate actively in state level and national level fine arts activities.

7. Science Research Foundation should be set up for promoting interdisciplinary research.

Action: Research Foundation Committee is formed and work is going on. 11 MOU's are made with company.

8. Provision for physically challenged persons should be provided.

Action: Provision of lift is made

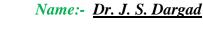9. Modernization of boys hostel and students common rooms in the college need to be taken up on a priority basis.

Action: Modernization of boys hostel is made. Girls common room discussion, Boys common room discussion

Name :- **_Dr. S. S. Bellale_**   *Name:-* **_Dr. J. S. Dargad_**

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

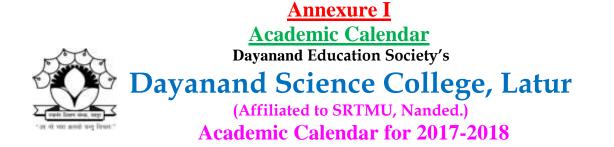IQAC - Coordinator
Dayanand Science College,
Latur, M.S. (INDIA)

Principal
Dayanand Science College
LATUR 413512

_____***_____

<div align="center">

Annexure I
Academic Calendar
Dayanand Education Society's
Dayanand Science College, Latur
(Affiliated to SRTMU, Nanded.)
Academic Calendar for 2017-2018

</div>

The Academic Calendar for year 2017-2018 of Dayanand Science College, Latur.

Sr. No.	Date	Particulars
A.		**First Term**
1.	01 Jan.-2017	"Savitribai Fule Jayanti"
2.	12 Jan. -2017	"Jijau Maasaheb Jayanti"
3.	23 Jan.- 2017	"Netaji Subhashchandra boas Jayanti"
4.	19 Feb.-2017	"Chatrapati Shivaji Maharaj Jayanti"
5.	12 March-2017	"Yashwantrao Chavan Jayanti"
6.	23 March-2017	"Shahid Diwas"
7.	11 April-2017	"Mahatma Jyotiba Fule Jayanti"
8.	14 April-2017	"Dr. Babasaheb Ambedkar Jayanti"
9.	28 April-2017	"Mahatma Basweshwar Jayanti"
10.	21 May - 2017	"Dahashatvaad & Hinsacharveerodi Diwas"
11.	28 May-2017	"Maharana Pratap Sinha Jayanti"
12.	31 May-2017	"Aahilyadevi Holkar Jayanti"
13.	16 June-2017	College Begins
14.	18 June-2017	Display of Time Table
15.	19 June-2017	Lectures Start for B.Sc. II and III
16.	20 June-2017	Lectures Start for B.Sc. I year & M.Sc. I year
17.	26 June-2017	"Ramzan Eid – (Holiday) & "Rajarshi Shahu Maharaj Jayanti"
18.	01 July-2017	"Vasantrao Naik Jayanti"
19.	02 July-2017	College Starts for M.Sc. I and II with Welcome Function for I year
20.	23 July-2017	"Lokmanya Baal Gangadhar Tilak Jayanti"
21.	25 July-2017	Formation of Student Association
22.	01 Aug.-2017	"Sahityaratna Annabhau Sate Jayanti"
23.	02 Aug.-2017	Inauguration of Different Council
24.	03 Aug.-2017	"Krantisinha Nana Patil Jayanti"
25.	04 Aug.-2017	To complete the result analysis of the College-IQAC
26.	07 Aug.-2017	Raksha bandhan
27.	11 Aug.-2017	To conduct the meeting of IQAC for the action plan of the year 2017-18-IQAC
28.	15 Aug.-2017	Independence Day - (Holiday)
29.	15 Aug.-2017	NSS - "Wraksha Ropan Abhiyan"
30.	17 Aug.-2017	Patiti - (Holiday)
31.	20 Aug.-2017	"Sadbhawana Diwas"
32.	21 Aug.-2017	"Pola"
33.	25 Aug.-2017	"Ganesh Chaturti" - (Holiday)
34.	30 Aug.-2017	"Jyesht Gauriy Pujan"-(Holiday)
35.	31 Aug.-2017	Inauguration of All Associations
36.	02 Sept.-2017	Bakri-Eid - (Holiday)
37.	05 Sept.-2017	Organize Teacher Day Program - NSS
38.	07 Sept.-2017	Organize "Sahitya and Sanskrutik Mandal" Inauguration Programme

	39.	07 Sept.-2017	M.Sc.I year Internal Exam
	40.	17 Sept.-2017	"Vardapan Day" SRTM, University, Nanded (Holiday) New NAAC Meeting
	41.	25 Sept.-2017	"Pandit Dindayal Upadya Jayanti"
	42.	30 Sept.-2017	Dasra - (Holiday)
	43.	01 Oct.-2017	Moharam - (Holiday)
	44.	02 Oct.-2017	"Organize Gandhi Jayanti – NSS" (Holiday) & "Lal Bahadur Shastri Jayanti"
	45.	05 Oct.-2017	"Maharshi Valmiki Jayanti"
	46.	06 Oct.-2017	B.Sc. III year annual pattern-sem. Pattern I to IV sem. Backlog
	47.	15 Oct.-2017	"Dr. A.P.J. Abdul Kalam Jayanti"
	48.	17 Oct.-2017	"Dhantrayodhashi"
	49.	18 Oct.-2017	"Narak Chaturdarshi"
	50.	19 Oct.-2017	"Laxmipujan" (Holiday)
	51.	20 Oct.-2017	"Dipawali Padwa" (Holiday)
	52.	21 Oct.-2017	"Bhubij"
	53.	31 Oct.-2017	"Indira Gandhi Punyatiti & Rashtriya Sankalp Diwas" "Vallabhbhai Patel Jayanti & Rashtriya Ekta Diwas"
B		**Dipawali Vacation**	
	1.	16 Oct.-2017 09 Nov.-2017	"Dipawali Vacation"
	2.	04 Nov.-2017	"Gurunanak Jayanti - (Holiday)"
	3.	10 Nov.-2017	B.Sc. (CS) and All PG
C		**Second Term**	
	1.	10 Nov.-2017	College Reopens
	2.	14 Nov.-2017	"Pandit Neharu Jayanti"
	3.	19 Nov.-2017	"Indira Gandhi Jayanti & Rastriya Ekatmata Din"
	4.	20 Nov.-2017	NSS Camp
	5.	26 Nov.-2017	"Savidhan Diwas"
	6.	As per Battalions dates	NCC Camp
	7.	01 Dec.-2017	Eid - E - Milaad - (Holiday)
	8.	04 Dec.-2017 05 Dec.-2017	Two days training program for non-teaching staff on "Use of Computer in Laboratory by Dept. of Physics, Electronics & Computer Science.
	9.	12 Dec.-2017	काव्यवाचन स्पर्धा - मराठी विभाग
	10.	13 Dec.-2017	Cancer "Janjagran Ryali" – NSS
	11.	15 Dec.-2017	To conduct the meeting of IQAC for the progress of action plan-IQAC
	12.	17 Dec.-2017	Amavasya – (Sunday Collector Holiday)
	13.	22 Dec.-2017	National Workshop on "Reformation of Syllabi in UG & PG" – Dept. of Math.
	14.	23 Dec.-2017	To conduct NSS Special camp - NSS
	15.	25 Dec.-2017	Christmas - (Holiday)
	16.	28 Dec.-2017	To organize District Level Seminar Competition for UG & PG Student-Department of Mathematics
	17.	26 Jan.-2018	"Republic Day"
	18.	31 Jan.-2018 03 Feb.-2018	"College Annual Social Gathering"
D		**Summer Vacation**	
	1.	02 May-2018 15 Jun.-2018	Summer Vacation

E		**Admission Scheduled – UG**	
	1.	01 June – 2018	Commencement of Admission
	2.	20 June – 2018	Last Date of Submission of Application
	3.	22 June – 2018	Display of 1st Merit List
	4.	23 June – 2018	Last date of Payment Fees & Submission of Documents of 1st Merit List
	5.	26 June – 2018	"Ramzan Eid" – (Holiday)
	6.	27 June – 2018	Display of 2nd Merit List
	7.	29 June – 2018	Last date of Payment Fees & Submission of Documents of 2st Merit List
	8.	30 June – 2018	Spot Admission & Last Date of Admission
F		**Admission Scheduled – PG**	
	1.	15 June – 2018	Commencement of Admission
	2.	29 June – 2018	Last Date of Submission of Application
	3.	01 July – 2018	Display of 1st Merit List
	4.	04 July – 2018	Last date Payment of Fees & Submission of Documents of 1st Merit List
	5.	04 July – 2018	To conduct NSS Meting - NSS
	6.	07 July – 2018	Display of 2nd Merit List
	7.	09 July – 2018	Last date Payment of Fees & Submission of Documents of 2st Merit List
	8.	10 July – 2018	To Submitted the proposal for Star College Scheme -2017
	9.	14 July – 2018	Spot Admission & Last Date of Admission

Note:- Dates may change as per the University academic calendar.