



**INSTITUTIONAL ASSESSMENT AND ACCREDITATION
(Effective from July 2017)**

Accreditation - (Cycle - 3)

PEER TEAM REPORT ON

**INSTITUTIONAL ACCREDITATION OF
DAYANAND EDUCATION SOCIETY'S DAYANAND SCIENCE COLLEGE**

**Latur
Maharashtra
413512**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA**

Section I:GENERAL INFORMATION

1.Name & Address of the institution:	DAYANAND EDUCATION SOCIETY'S DAYANAND SCIENCE COLLEGE Latur Maharashtra 413512	
2.Year of Establishment	1962	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	1	
Departments/Centres:	9	
Programmes/Course offered:	12	
Permanent Faculty Members:	51	
Permanent Support Staff:	86	
Students:	1516	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. Good infrastructure with well equipped laboratories 2. Qualified teachers with good research iniatives 3. Good governance and supportive management	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	From : 14-03-2022 To : 15-03-2022	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. R M MISHRA	Vice Chancellor,APS UNIVERSITY REWA
Member Co-ordinator:	DR. SURAJIT KUMAR GHOSH	Professor,DIBRUGARH UNIVERSITY
Member:	DR. MURPHY ALEXANDER PETER ALEXANDER	Principal,MS UNIVERSITY CONSTITUENT COLLEGE
NAAC Co - ordinator:	Dr. A.v. Prasad	

Section II: CRITERION WISE ANALYSIS

Observations (Strengths and/or Weaknesses) on each qualitative metrics of the key Indicator under the respective criterion (This will be a qualitative analysis of descriptive nature aimed at critical analysis presenting strength and weakness of HEI under each criteria)

Criterion 1 - Curricular Aspects (Key Indicator and Qualitative Metrics (QIM) in Criterion 1)	
1.1	Curricular Planning and Implementation
1.1.1 QIM	The Institution ensures effective curriculum delivery through a well planned and documented process
1.1.2 QIM	The institution adheres to the academic calendar including for the conduct of CIE
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum
1.4	Feedback System

Qualitative analysis of Criterion 1

Dayanand Science College (DSC) together with Arts and Commerce college under Dayanand Education Society in the Marathwada region was set up by the philanthropist and reputed merchant community of Latur in 1961. Later in the year 1967 the science college was separated from the other two and got its individual existence. The college is coexisting with other eight colleges in the 22-acre encroachment free campus which also houses boys' and women hostels, library, canteen, auditorium, society office and play grounds with indoor stadium. The college was earlier affiliated to Marathwada University, Aurangabad till 1995 and then changed its affiliation under Swami Ramanand Teerth Marathwada University (SRTM), Nanded. The college is recognized under 2 (f) and 12 (b) of the UGC Act. The college follows university designed curriculum, and academic calendar. The six BOS members from the college helps university in designing the syllabus. At the beginning of the academic year the Principal and the IQAC coordinator conduct meeting with faculties for academic calendar. As per university academic calendar, the college academic calendar is finalized. The college and departmental meetings are arranged for distribution of committees-workload among the teachers. The syllabus for the carrier-oriented courses (COC) are prepared and framed by the respective co-ordinators and submitted to the university for approval prior to admitting students under various courses. The college procures text and reference books as recommended in the syllabus. Along with the books/scientific journals, the college library offers computers with internet facility, INFLIBNET, N-LIST, SOUL-2.0, e-LMS software & DELNET. The Language laboratory software (Zybro DLL) is available in the Language Laboratory.

The students are allowed to participate in science exhibitions, competition and research events. The college organises seminars, workshops, industrial visits and arranges lectures from eminent personalities. The college is currently offering 02 UG, 06 PG, Ph.D. and value-added courses. The college provided ICT tools, smart boards, laboratories, computers with internet facilities and made mandatory use of these facilities during the current pandemic situation. The faculties use MS Teams, Google meet, Google classroom, ZOOM and other web-based facilities to conduct regular theory and practical classes. The college has adopted CBCS mode for both UG and PG courses. The college has offered 28 add on/certificate programs in the last five years.

The college follows the academic calendar prepared by the affiliating university. In May 2020 the college entered into an agreement with Microsoft teams and organized training for teaching staff so that they can effectively use online teaching, keep attendance records, check assignment, share documents and conducting

seminars. Due to the present pandemic situation the college effectively replanned the teaching, learning, examination and evaluation process using online tools. The continuous internal evaluation (CIE) is done using project report evaluation, holding viva-voce tests and presentation of papers at internally organized seminars. Internal examination committee (IEC) prepares the time table for the conduct of internal assessment examination well in advance and circulate the same to all the stake holders well in advance.

The affiliating university finalises curriculum, co-curriculum and extra-curricular events such as Avishkar Research Festival, Youth festival, Ashwmedh, NSS Yuvak/Yuvati camps, Students Council etc. for implementation by the colleges. Activities like NCC-RDC, ATC, TSC camps are carried out as directed by the NCC 53 MH Bn, Latur and Aurangabad HQ.

The college is co-educational and representation of girl student is around 54%. The college periodically takes up various awareness programs related to Gender, Environment and Sustainability, Human Values, Professional Ethics etc. through various co-curricular activities. Yuvati Kalyan Mandal (Women Empowerment Cell) ensures active participation of girl students. Maharashtra Pollution Control Board (MPCB) has sanctioned a project to the college for the analysis of quality of air in and around the Latur city. The environmental science paper is offered compulsorily to the under graduate students and green chemistry has been incorporated in the M.Sc. chemistry syllabus.

Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrics(QIM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Catering to Student Diversity
2.2.1 QIM	The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners
2.3	Teaching- Learning Process
2.3.1 QIM	Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences
2.3.2 QIM	Teachers use ICT enabled tools for effective teaching-learning process.
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.1 QIM	Mechanism of internal assessment is transparent and robust in terms of frequency and mode
2.5.2 QIM	Mechanism to deal with internal/external examination related grievances is transparent, time- bound and efficient
2.6	Student Performance and Learning Outcomes
2.6.1 QIM	Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.
2.6.2 QIM	Attainment of programme outcomes and course outcomes are evaluated by the institution.
2.7	Student Satisfaction Survey

Qualitative analysis of Criterion 2

The college admit students from diverse background based on their merit in the qualifying examinations and follow the statutory reservation policies of the Maharashtra Government. The competence level of the newly admitted students categorised as slow and advanced learners, are judged based on their performance in the qualifying examination, language proficiency, familiarity with the practical skill and technical knowledge to name a few. The college arranges programs like personal mentorship, (student teacher ratio 28:1) counselling, exposed to ICT based teaching methods, how to improve language proficiency through language laboratory and provided question banks for slow learners beside arranging Skill Enhancement Workshops and Entrepreneurship Awareness Camps. For advanced learners the programs include Science for Vision, Inspiration and Prosperity (S-VIP), and Student Encouragement through Financial Aid (SEFA). The college gives special attention to INSPIRE–SHE qualified students to sustain their merit. For advance learners’ college arranges Career counselling for IIT-JAM, NPTEL and other competitive examinations. During the pre-pandemic days the college conducted education tours to the laboratories of national repute in Maharashtra state.

The college has provided classrooms and laboratories equipped with smart boards and LCD projectors to promote student centric learning process. The library is having a good number of physical and e-books/journals, reading room and internet facility. The practical classes include project work, hands on training and experiments. The college arranges workshops on skills like Energy Management, Mushroom Cultivation, Financial Management, Aquaculture, Floriculture, etc. to develop practical skills among the students and entrepreneurship awareness camps to inculcate entrepreneurship qualities for self-employment. Students are allowed to handle software like MATLAB, SCILAB, MATHEMATICA, MAPAL, LINGO, Digifrog, Zybros etc. for effective learning. The college has a you-tube studio used for online live teaching-learning process. Towards participative learning Group discussion, poster presentations, quiz competitions,

seminars, debate competitions, essay writing competitions are regularly arranged by the college. Under the CBCS, continuous evaluation of the students is practiced through assignments, seminar presentations, tests and tutorials. To inculcate moral and social values and to create awareness of social responsibility among the students, programs like cleanliness campaign, AIDS awareness rally, old age home visit, superstition eradication, wachan prerana din, constitution day, pulse polio awareness campaign, blood donation and health check-up camps, tree plantation and Special Winter Camp are organized through NSS. The students are encouraged to participate in university youth festival including participation in sports events, inter college debate, elocution and essay writing competitions. Regular participation of the students is ensured in research project competitions and Madhava Mathematics Seminar Competitions at different places to enhance their problem-solving skills. MATLAB is used by Mathematics students and the PG students are asked to identify and select the problems, (scientific and environmental) plan hypothesis, monitor experimental protocol and approach towards expected conclusion.

The class rooms are equipped with LCD projectors and smart board. ICT tools and resources such as computers, laptops, educational CDs and 100 mbps internet connectivity are available for the staff and students. Recently, Microsoft Teams app has been used by the teachers for online teaching and evaluation process. Faculties uses E-resources and techniques like SWAYAM NPTEL, DELNET, smart boards, software, INFLIBNET N-LIST, e-books, e-journals, PPTs, you tube videos, live demo of programming languages, etc. for effective teaching and learning process.

Internal Examination Committee (IEC) of the college plans and conduct the internal assessment examination as per the academic calendar and guidelines of the affiliating university. The scheduled dates are notified well in advance to all the stake holders. For the practical papers, the CIE is conducted throughout the year. The college conducts External audit of the internal examination by the University Committee to verify the evaluation process and submits its report to the university.

The IEC of the college looks after the grievances of students regarding internal examination and if any discrepancies are detected then forward the same to the concern department. The assessed answer scripts are shown to the students and any doubt related with the evaluation process are cleared in a transparent way.

Redressal of grievances at university level is done through University Examination Committee which looks after the grievances of students regarding university examination. The university has formulated the rules and regulation for the grievances in evaluation. After declaration of the results, the dates for reevaluation are displayed on the student notice board for the information. Photo copies of the answer books are provided to the students and if any justifiable and bonafide mistakes are detected then the answer script is reassessed and the change in marks are notified as per the university rules.

The college follows the curriculum designed by the affiliating university. To develop research attitude, rational thinking in a scientific way the curriculum has included Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs). COs of Career Oriented Courses and Skill Enhancement Courses are included to develop entrepreneurship skills among the students. The POs, PSOs and COs for all programs offered by the college are stated and displayed on the college website www.dsclatur.org.in and communicated to the teachers and students. The teachers explain POs to the parents and students during admission and the expected outcomes of respective courses are explained to the students by concerned teacher at the commencement of theory as well as practical classes. The students are also informed about the syllabus, examination and evaluation patterns, weightage of marks at the beginning of the semester. A copy of the syllabus with POs, PSOs and COs is kept in the college library for ready reference.

Attainment of Program Outcomes, Program Specific Outcomes and Course Outcomes are analysed by the college in conventional as well as non-conventional means. The departments individually analyse the results of the university examination and take corrective measures if required, after informing the CDC and the Governing Council. The college evaluates the knowledge and skills through continuous internal evaluation by conducting tests, seminars and home assignments. Course Outcomes are measured in regular theory and practical class and during external evaluations. The language teachers measure the attainment or acquisition of skills by creative / academic writing for annual magazine 'Unmesh', participation and success in literary /cultural programs and performance in competitions like elocution, debate, essay writing in college as well as in other colleges during youth festivals. The outcomes are evaluated by the research projects, research activities undertaken by the students and in research competitions like Avishkar and Anveshan, research paper presentation in seminars and conferences.

Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrics(QIM) in Criterion3)	
3.1	Resource Mobilization for Research
3.2	Innovation Ecosystem
3.2.1 QIM	Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge
3.3	Research Publications and Awards
3.4	Extension Activities
3.4.1 QIM	Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.
3.5	Collaboration

Qualitative analysis of Criterion 3

The college has taken initiatives in creating technologies and transfer of knowledge by creating good infrastructure and equipped science laboratories with modern equipment. Department of Chemistry, Physics, Mathematics and Microbiology have recognized research centres affiliated to SRT MU Nanded and also have MOUs with different research institutions. Dr. M.B.Pandge received "Inspire Award for Faculty" in the year 2015 by DST & SERB. The college motivates students to participate in research activities like Avishkar and Anveshan Science exhibition. The faculties and students have published around 185 research papers during the last five years in UGC approved and SCOPUS and web of science indexed journals. The college regularly invites eminent scientists from national and international institutes to guide, motivate and promote students towards research activities. To promote scholars for research in fundamental sciences INSPIRE Camps and Vidyan Manch activities are organized by the college. Workshops, seminars, refresher courses in the subjects Chemistry, Mathematics, Botany and Physics have been arranged by the college. The students are encouraged to learn the cultivation of flowering plants, knowing the methodology in bio-composting and medicinal plant cultivation in the medicinal plant garden. Computer training programs are organized regularly by Department of Computer Science for the faculties and non-teaching staff. College have organized skill development programs on fish farming, energy management and entrepreneurship awareness camps.

The college has organized seminars on organic farming in coordination with Government of Maharashtra for the benefit of the local farmers. Continuous air monitoring of Latur city, a project sanctioned by M.P.C.B. Government of Maharashtra is well in place. The college administration financially supports the scholars for their innovative research projects and offers research grant in the tune of Rs. 50,000/ for spectral analysis, attending conferences, seminars and workshops. The associations' viz. Science Association, Yuvti Kalyan Mandal, Literary and Cultural Association undertake different activities to encourage creative talent among students. Every year college publishes Annual Magazine: UNMESH, organizes poster presentation competitions, debate competitions and science exhibition. The college has established NPTEL local chapter on 19th January 2018 to run online NPTEL courses.

The college has adopted measures for sensitizing students to social issues and their holistic development and the activities are implemented through NSS, NCC, Yuvati Kalyan Mandal (Women Empowerment Cell), Literary and Cultural Association. The college in collaboration with the Municipal Corporation, Government Hospital, Red Cross Agencies, District Collector Office, Zilla Parishad and Gram Panchayat carried out a good number of social activities. Tree plantation, celebration of important national days, blood donation camps, cleanliness programme, AIDS awareness campaign, pulse polio abhiyan watershed projects, awareness about voting, Swachh Bharat Abhiyan etc. are regularly organised by the NSS and NCC unit of the college. Orientation of farmers on Organic Farming was organized by the Department of Chemistry on 12 Jan 2018 in

collaboration with ATMA Latur (Govt. of Maharashtra). The students of the college organize activities like dignity of labour, importance of water harvesting and water management, rallies, awareness programmes, cleanliness campaigns, de-addiction, health camps, veterinary diagnosis camps, blood donation camps, soil and water testing programs, publicity about government schemes etc. for neighbouring villagers. Animal Husbandry Camps are organized by NSS in the nearby villages at Chikurda and Akharwai. The college has organized awareness speeches on stress management, to motivate and promote the sanitation, toilet construction in rural area and to inculcate the healthy habits among rural citizens. The college had also organized awareness camps for 'YOGA' to promote benefit of yoga and its relation with healthy life. The college donated Rs.2.54 lakh as a one-day salary of all teaching and non-teaching staff to "Jalyukt Latur" a scheme of water harvesting run by the social activists from Latur. Hands-on-training programs were organized for students of different schools/junior college through 'Vidyan Manch' and INSPIRE camps. The College organized a national level science-technology festival during 7-8 Jan, 2020 in collaboration with MIT World Peace University, Pune and Latur Urban Co-operative Bank Ltd. Latur for the school /college students/teachers and citizens of Latur city. The teachers and students actively participate in these extension activities.

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrics(QIM) in Criterion4)	
4.1	Physical Facilities
4.1.1 QIM	The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.
4.1.2 QIM	The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.
4.2	Library as a Learning Resource
4.2.1 QIM	Library is automated using Integrated Library Management System (ILMS)
4.3	IT Infrastructure
4.3.1 QIM	Institution frequently updates its IT facilities including Wi-Fi
4.4	Maintenance of Campus Infrastructure
4.4.2 QIM	There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Qualitative analysis of Criterion 4

The college campus is spread over 4.5 acres of land with adequate facilities for teaching and administrative purposes. The main building has the Administrative Office, Principal's Cabin, Meeting Hall, Vice-Principal's Cabin, IQAC, Record Room, Ladies Room, Store Room (Sports), Open Auditorium (Main Stage) and Credit Co-operative Society Office. The College building accommodates different departments, laboratories, classrooms, seminar halls, Examination Section, NSS, NCC, MPCB monitoring centre, comfort room for women faculty, alumni office, open auditorium, and cultural hall. The various cells such as PRO, ICC, grievance redressal cell, SC/ST/ NT/ minority cell, student development cell, anti-ragging committee; CAP/DCAP have been provided with adequate space and facilities. The 18 numbers of classrooms are well ventilated equipped with sufficient furniture, proper electrical connections and have both conventional and digital mode for teaching. Out of 18 classrooms 12 classrooms are ICT enabled. There are 4 ICT enabled Seminar Halls. A fully air conditioned and well-furnished Seminar Hall is used for organizing workshops, training programs, conferences, guest lectures and general meetings. The College has in all 30 numbers (Physics: 5 computer science: 3 Chemistry: 6 Industrial chemistry: 2, Botany: 2 Microbiology: 7, Zoology & fishery: 3, Mathematics: 1 English: 1) of well-equipped laboratories with provisions for fire extinguishers, gas and water connections.

The Department of Zoology and Fishery Science maintains 2 museums having well preserved rare animal species. The botanical garden is well-maintained and looked after by the botany department. The College has a total of 205 computers and 14 laptops respectively and all are under working condition. All the departments are provided computers with internet connectivity and backup plan. The administration is automated with College Management System (CMS) software 10.0. Later in the year 2019 it was upgraded to cloud computing. There is a separate G+3 library building equipped with separate reading rooms for UG (Boys), UG (Girls) and PG students, reading room for faculty, e-Resource centre, research scholar centre, two difficulty solving centres and a Conference Hall. Lift and ramp facilities are available for differently-abled students and staff. Solar panels are installed on terrace and generator sets (for emergency) are alternative sources of energy. There are some common facilities in the campus maintained by Dayanand Education Society such as Dayanand Sabhagruh (Auditorium), separate hostel facility for boys and girls, sports facilities, parking space, walking track, student's welfare centre, canteen, ATM and management office. The College campus is

secured through CCTV surveillance.

The college has two paly grounds and one indoor stadium with well-equipped gymnasium. The bigger ground has both playing and practise pitches for cricket. The ground has water sprinkler and has good drainage system. The state level, inter collegiate and inter school tournaments are conducted on this ground. The other ground has two volleyball courts, two Lawn Tennis Clay Courts, one Kho-Kho Court and two Kabaddi courts. In the indoor stadium having around 1500 seating capacity has 4 badminton courts fitted with 4 Yonex mat and three table tennis tables. The gymnasium has yoga facilities for both the boys and girls. The college has two open auditoriums and one cultural hall for holding cultural and annual social events like dance, drama, singing, prize distribution etc. to name a few. Dayanand Education Society's Dayanand Sabhagruh is a notable art auditorium with seating capacity of 1000 and exclusively used for organizing cultural activities especially on the occasion of the inaugural function during annual gathering.

The college library was automated in 2009 and uses "SOUL 2.0" Integrated Library Management System (ILMS) designed and developed by the INFLIBNET and maintained in the local server. The ILMS consists of Acquisition, Cataloguing, Circulation, Serial control, Stock Verification, User Management, online public access catalogue and Reports. The library also purchased Digital library system software under UGC grant and the package include ten thousand e-books, e- journals, encyclopaedia, dictionary, institution's magazine, question papers, projects reports, documentary, events, seminar reports and essays. The college has adopted use of barcode technology for the issue and return of the books. The library has UGC network resource centre and open to the student for accessing e-resources. Library is provided with 1 KV power backup system.

The college upgrades its IT facilities to meet the demands of teaching-learning process, research, evaluation, library and office management. The college has provided ten white interactive boards along with ten image scanners, PC cabinet, projectors along with UPS cabinet in six class rooms, three seminar halls and MATHLAB. These devices use ILMS to access Microsoft Teams and www.edscl.in. The internet bandwidth connectivity was upgraded to 100 mbps and recently installed Leased Line connectivity.

Reliance Jio has provided OFC networking and free Wi-Fi in the whole campus. Astrophysics laboratory is provided with a separate internet connection of 30 mbps speed whereas the administration and computer laboratories are provided with 10 mbps connection. During pandemic and lockdown for effective online teaching various tools including Shootvilla stands, pen tablets, VTS Back Drop, Boya Dual Lavilar, BOYA Microphone, Logitech C270, Osaka Video Light, drawing tablet, Jiofi JDR 740, Logitech C525 and Microsoft Teams were used. Being the leading institution in India the college was recognized as a 'Microsoft Showcase College and Microsoft Innovative College' by Microsoft, India in the year 2020-2021. The college under RUSA fund, purchased two Flip Digital Interactive Boards, two Flipchart/Mount Stand, five portable projectors and five projector screens besides procuring of original Windows Operating System license copy. Library is fully automated with ILMS and upgraded to the latest version. The office administration is fully automated with CMS software and Gateway Infotech software for SMS facility. The college has Installed Zybro DLL and DIGI FROG software, purchased 16 Solar Blitz UPS backup batteries, Solar Blitz 12v 150AH Battery, L-Soft OMR Answer sheet Checking software, one each Copier Machine, printer, scanner and Net Protector total security gold for examination department. Jio-modem has been provided for the Department of Computer Science and Department of Mathematics. The computers have antivirus software and are connected through LAN as well as Wi-Fi. Thumb impression system for attendance of staff was replaced by Face Impression Systems. For the optimum utilization of IT resources, the college conducts online examinations such as IBPS, typing etc. on Sundays and holidays.

The college has made the budgetary provision for the maintenance of physical, academic and support through

Annual Maintenance Contract (AMC) and some are maintained by external agencies as per the need. The college authority supervises all the maintenance and up gradation work related to civil and electrical work done by the contractors and all other agencies. The electrical equipment and systems are maintained by the appointed electrician of the college. All minor faults are attended and repaired by hired technicians, carpenters, etc. Renovation, beautification and painting of the physical infrastructure and campus are done as per the needs through external agencies. For the uninterrupted power supply, the College has UPS backup, inverters and generators. The college maintains a stock register and the stock verification committee verifies the stock register periodically and submit the report to the principal for doing the needful.

The college also maintains Dead Stock Register regularly to keep account of the non- functional equipment, like computers, printers, etc. The maintenance of computer hardware and IT enabled systems are done by the technical staff, hardware technicians and electrician of the college. The sports and gymnasium equipment are maintained through outsourcing. Cleaning and sweeping of the classrooms, common areas, passages, departments etc. are done every day by the support staff. The college has recruited two trained persons for overall supervision of electrical, plumbing, elevators and the garden. The maintenance of generator sets, solar panels etc. are regularly done as per the guidelines given by the equipment suppliers. Laboratory equipment, instruments, gas connections, fire safety equipment are done by the authorised persons.

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrics(QIM) in Criterion5)	
5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.3.2 QIM	Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)
5.4	Alumni Engagement
5.4.1 QIM	There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Qualitative analysis of Criterion 5

Student's representation and engagement in various activities are promoted by the college as evident from the documentation. The student's council is in place as per the norms of SRTM University. The council has the class representatives selected through merit, female student representatives, and student members from NSS, NCC, sports and from cultural cell. The general secretary is elected through election process. Academic/co-curricular/extra-curricular activities which also includes two days annual cultural event, are organised by the council members.

Yuvati Kalyan Mandal a Women Empowerment Cell works under teachers is formed by the female members and for the female members to encourage and motivate female members to participate in programs such as health counselling, women empowerment, gender equality, legal, social and economic fronts. The teacher in-charge selects committee members through interview The cell in-charge teachers select the body members (president, vice-president, secretary and members) by conducting interviews.

Literary and cultural association provides a platform to the students for participation in art and literature so that the interested students could enhance their literary skill and get courage for self-expression through debate, elocution, poetry recitation, extempore speech, skit, mime, dance, poster painting, mehendi, flower decoration etc., competition. The association also motivated students to participate in intercollegiate/interuniversity /state/national level competitions, Youth Festival, and Sahitya Sammelan.

College Magazine Committee publishes 'Unmesh' a college magazine annually where both teachers and students can do creative writing like poetry, articles, biographical sketch, travelogue etc. The editorial board of teachers and students select the suitable articles for its publication.

The science association of the college whose members are selected by the principal tries to develop scientific attitude and awareness towards eradication of superstitions.

The students have their representation in other bodies viz. IQAC, CDC, Library committee, Anti-ragging Committee, NSS, NCC, Sports etc. The college provides support in organizing and coordinating events to develop managerial and leadership skills amongst the students.

The college has the alumni association named as "Dayanand Vidnyan Maji Vidhyarthi Foundation" founded in the year 2004 and got themselves registered with the Assistant Charity Commissioner on 16.03.2016. The association which has its office in the college campus is presently headed by Mr. Yuvraj Sarnikar (President), Mr. Hanumant Gaikwad (Vice President and Editor of Dainik Lokmat) & Mr. Balwant Suryawaonshi (Secretary) along with six other members of the alumni.

The alumni of the college are serving in the capacity throughout the globe as scientists, engineers, doctors, teachers and many are self-employed as businessmen, industrialists and are providing employment opportunities to others. The alumni meet frequently, interacts with the students and guide them for better placement. The alumni association also contribute generously to raise funds (generated more than twelve lakhs till 2021) for the development of the college and to provide financial aid to the needy students. The annual audit is conducted through a certified chartered accountant.

The alumni also organise the alumni meet and make the students aware on contemporary technological developments and provide career guidance. The alumni on 16.5.2016 had arranged a program with Padmashri Awardee Dr. Ashok Kukade and Shri Laxmiremanji Lahoti, President, Dayanand Education Society to help sixtyfive needy students with Rs. 10,000/- (each).

In 2017, The alumni association in 2017 had also organized a program by inviting well known Padamshri Awardee Smt. Sindhutai Sapkal, “Mother of Orphans” and donated Rs.9 lakh to their charity.

The alumni regularly visit during diwali to the remote arears of and distributes sweets, cloths and educational kits to the school going students. In 2019, a tri-Scooter was donated to Mr. Aadmane a Divyang employee of college by the alumni.

Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrics(QIM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QIM	The governance of the institution is reflective of and in tune with the vision and mission of the institution
6.1.2 QIM	The effective leadership is visible in various institutional practices such as decentralization and participative management
6.2	Strategy Development and Deployment
6.2.1 QIM	The institutional Strategic / Perspective plan is effectively deployed
6.2.2 QIM	The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.
6.3	Faculty Empowerment Strategies
6.3.1 QIM	The institution has effective welfare measures for teaching and non-teaching staff
6.3.5 QIM	Institutions Performance Appraisal System for teaching and non-teaching staff
6.4	Financial Management and Resource Mobilization
6.4.1 QIM	Institution conducts internal and external financial audits regularly
6.4.3 QIM	Institutional strategies for mobilisation of funds and the optimal utilisation of resources
6.5	Internal Quality Assurance System
6.5.1 QIM	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes
6.5.2 QIM	The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Qualitative analysis of Criterion 6

Vision: "Let all the noble, divine thoughts come to us from all directions of the universe"

Mission: To establish and sustain a Meritorious Dayanand Pattern striving for excellence, to enlighten students of rural area and empower them to contribute their services for national development.

To achieve the goal and to accomplish the above stated mission the college is providing good academic environment to the students from rural background by effective teaching, learning and research in basic sciences through scientific temperament coupled with practical exercises. The students are taught with modern technology to enable them to face global challenges. The students are motivated and encouraged to undertake higher education, to develop scientific skills and creativity, to undertake collaborative projects so that multidimensional personality is developed among them.

The management and the college practices decentralization and participatory management in keeping with its belief in collective leadership and democratic traditions. All stake holders are involved in the decision-making process. The college promotes a culture of participative management about academic goals, organizational progression and better campus life. Decisions are taken at each level and are implemented at the collective level to run the machinery smoothly. Suggestions received from various stakeholders are also given due importance while adopting policies.

Decentralization process is achieved at the society level followed by college level and then at departmental level. Principal being the administrative and academic head of the institute, the decisions are taken in consultation with the Heads of department to prepare the outline of the perspective plan every year for implementation.

At the departmental level the HOD's are given freedom and responsibilities to formulate quality management system to express the organizational goals and aspirations, processes, responsibilities, documented information and resources needed to implement and maintain it. The college has a participatory and decentralized system of governance as evident from the minutes of the governing body meetings. At the topmost level there is a board of Management Trustees and Governing Council (GC) of Dayanand Education Society (DES). The GC frames and implements the policies of DES through College Development Committee (CDC). The policy decisions made in GC are conveyed to the Principal through CDC for implementation. The principal, vice-principal and IQAC co-ordinator monitor the office, departments, committees and associations.

The college has UGC-CPE, DST-FIST, RUSA recognitions, and had received best college award, best principal award. The DES has provided autonomy to the principal who in turn execute the policies of the DES through the vice principal, IQAC coordinator and HoDs. The active participation of the teachers in decision making is ensured through their representation as members of GC, CDC, IQAC, finance committee, research committee, UGC, grievance redressal cell, anti-ragging, internal complaint committee, SC/ST, OBC, minority cell, malpractice prevention and various Working Committees formulated by college.

The perspective plan is decided by IQAC, College Development Committee (CDC) through consultations which culminate into year wise planning. The IQAC successfully implemented strategic five-year plan (2014-2019) and have prepared perspective plan for the next five year (2020-2025). The objective set for the perspective plan is

- to encourage the faculty members to apply and prepare DPR for the research projects
- to organize national and international level seminars/ conferences/ workshops
- to introduce PG level courses in Botany and Zoology
- to introduce UG level course in Biotechnology
- to motivate students towards participation in research-based activities

In addition to this, the perspective plan of the college, includes the development of infrastructure for academic and research.

The Local Management Committee as per Maharashtra University Act, 1994 (Sec. 87) and College Development Committee (CDC) as per Maharashtra University Act, 2016 (Sec. 97) was constituted and its responsibility includes preparation of the financial budget as well as to suggest the management for up-gradation of teaching learning process and filling of vacancies of teaching and non-teaching staff.

The principal being the academic and administrative head looks after the implementation of society policies

approved by the governing body and motivates faculty members towards research, social commitment and student progression leading to the overall development of the institute including planned outcome through a feedback analysis report.

The IQAC acts as a nodal agency and prepares the academic calendar and action plan. IQAC at the beginning of each academic session prepares the roadmap related to learning mechanisms, improvement of quality standards and academic development. It analyses the feedback received from parents, alumni and students and forwards the reports to CDC.

The functioning of the institutional bodies is visible for the following achievements:

- Two major research projects of 1.00 cr has been sanctioned by the SERB under DST to the INSPIRE faculty member Dr. M. B. Pandge
- Dr. Ravindrnde was granted patent on 1,3,5- triazine pyrazoline hybrids as anti-inflammatory and anti-uro lithic agent, Application no 201921016766A
- Organized three international conferences, four refresher courses, six workshops on syllabi and ten regional level programmes during the last five years
- started PG courses in mathematics, physics botany, zoology, UG in Biotechnology and second section in Chemistry
- established three new research centres in mathematics, physics and chemistry
- organised sixteen INSPIRE camps to motivate students to study science and provide financial support to the tune of Rs. 80000/ per year

The appointment of teaching and non-teaching staff members is made following the UGC guidelines/ Department of Higher Education Maharashtra state and SRTMU acts, statute, rules and regulations. The unaided staff members are appointed and paid by the DES. The college properly maintains all the records of service rules, procedure, recruitments, promotional policies etc. along with the service books and personal files. The employees are communicated the changes made in the service rules as and when effected and upload the same in the college web portal. The administrative office maintains and communicates matter related to the students like fees/ attendance/ scholarship and update the web portal.

The college provides EPF and gratuity as per Government rule. There is a mechanism of Defined Contribution Pension Scheme for aided staff who had joined the service after 01/11/2005. Mediclaim facility for aided staff members is available through Joint Director of Higher Education, Government of Maharashtra. Dayanand College Employee Cooperative Credit Society, Latur provides emergency loan, festival advance, home loan, educational loan and provide financial support during health emergencies. The college felicitates its best employees every year for their academic and administrative excellence. The college provides uniforms and uniform washing allowance to the non-teaching employees. Fee concession is also being provided to the wards of non-teaching employees. The college management pays salary to its employees during the payment delay period from the government. Free Wi-Fi connection is available through Latur Urban Co-operative Bank Ltd. Workshops and training programs are arranged on disaster management, fire safety, financial management in collaboration with SEBI, energy management in collaboration with ministry of petroleum and natural gas, and on computer literacy specially for the non-teaching employees without charging the registration fees. Art of Living workshop on 'Balanced and Prosperous Life' value added course "Yoga at Home and Yoga with Family" was organized for the teaching, non-teaching and family members of the college and the entire cost was born by the DES.

The college follows university norms for formal appraisal where faculties are required to submit personal

documents, achievements both scholastic and extramural on work undertaken every year. The feedback received after any program viz. academic or extracurricular, is also discussed with the HoD and suggestions for improvement are given by the principal. Faculty members are encouraged to actively participate in all activities of college life, irrespective of whether they are permanent, temporary, ad-hoc or contractual. They contribute towards strengthening the teaching-learning process, research, extension activities and administrative work with responsibility and accountability. Information about all the activities is included in their performance appraisal report and the teachers' profile is being uploaded by the college at the college website. The coordinators of all the sections and committees are also required to submit an annual report on the work or activities carried out under their guidance. Each year teachers submit their academic appraisal following the standard API forms which are reviewed by the heads of the department, IQAC, principal and CDC. The assessment report is forwarded to the university for consideration of promotion under CAS. Each year appraisal of the administrative staff is undertaken in the standard format which is reviewed by the and then the principal. Additional qualification acquired during the appraisal period includes, individuals paper handling and exam results, preparation of resource materials & reading materials, participation in guest lectures, workshops, student seminars, student paper presentations, attending of conferences and national seminars and publications in conference proceedings, leading Journals and books as well as participation in the college general activities.

The college has the system for both internal and external audit. The accounts and financial records are maintained in indigenously developed Cloud Based ERP CCMS (Centralized Campus Management System). All the vouchers and bills are regularly checked by internal auditor and finally by the management appointed Chartered Accountants and prepares balance sheet for each financial year for submission to the governing council. The college maintains separate account for the aided courses. Apart from the above said audit mechanism, the college also does financial audit every year by Accounts Officer (AO), followed by Senior Auditor, Joint Director Office Higher Education, Nanded and final audit is conducted by Accountant General, Nagpur, for salary and non-salary grants received from the government as per the norms of Government of Maharashtra. Any audit objections are discussed thoroughly and resolved in the proper forum.

Being government aided and privately managed the college receives financial assistance/ grants from the Maharashtra Government, UGC, DST, MPCB, RUSA and the Governing Council of the college. The college gets students fees, grants and scholarships from various agencies and funding organizations besides State Government and non-government agencies. The major portion of the funding is made by the Department of Higher Education, Maharashtra in the form of salary to staff members (employed under Grant-in-Aid). During the last five-year period 2016-2021, the college had received grants to the tune of around Rs. 8.28 Crores from funding agencies like UGC, DST, SERB, ISRO, IISc, MHRD, MPCB, SRTMUN, NBHM, CSIR, INSA, MSIM etc. The grant received from UGC was utilised to upgrade the laboratories and development of infrastructure. The college had also received grants from the govt. agencies viz. RUSA, INSA, NBHM, DRDO, NAAC, IASc, DSO Latur, SRTMU Nanded and CSIR for organizing various international and national conferences, workshops, seminars, refresher courses, science camps, sports events and towards development of sports infrastructure etc. The college had also received funding from DST, Rs. 1 Cr. under the INSPIRE Faculty Awardees scheme. The institute prepares the annual budget and the fund for recurring and non-recurring expenses are allocated. The principal seeks the annual requirement for the respective HoD's and administrative section in-charges in a specific format which is send to the management for consideration. The Governing Body of the institute is the final decision-making authority for budgetary approval based on recommendations given by the principal and management. Funds generated from students' fees are allocated under various heads and sanctioned to different committees. These funds are optimally utilized for library and college development, electricity bill, maintenance of water supply, games and sports, cultural programme and others.

The IQAC regularly and effectively monitors the activities undertaken by the college including teaching and learning process. The IQAC adopted a strategy wherein the individual teacher is asked to present his/her achievement at the beginning of the academic session, through ppt covering curricular aspects, teaching, learning, evaluation, research, innovation, support to the students, progress made in social activities and contribution made for the overall development of the college. The performance is taken as one of the tools for the promotion and financial increments for the unaided employees.

The college has an effective feedback mechanism in place. The feedback is mainly based on the regular curriculum as well as on the performance of the teachers and is collected through both online and offline mode. The feedback is analysed and given to the concerned teacher with the comments from the principal. Under the Promotion for research activities IQAC encourages faculty and students to do research and to achieve this, organizes intercollegiate competition, national & state level seminars, and ensures participation of students in research competition.

The Internal Quality Assurance Cell (IQAC) of the college was established as per the norms and guidelines of NAAC with a purpose to measure the outcome at periodic intervals so that records can be kept meticulously for continuous improvement in various activities. The IQAC being the central body within the college monitors and review the teaching and learning process regularly, appoint mentor & mentee under as per the guidelines of UGC, encourages faculty and students to undertake research, collects feedback and analyse them beside helping students to make them employable.

The faculties are encouraged to adopt various teaching platforms with the help of the latest technologies available globally. The sharing of knowledge related to both theory and practical are also done through interactive sessions. The faculties of science adopt experiential learning methods like exhibitions, demonstrations of experiments, study tours, and panel discussions. The annual prize distribution program is organized to appreciate the hard work of students and teachers over the years.

As recommended by the IQAC the college has created good infrastructure like interactive smart boards, latest computer hard and software, digital display board and adopted e-learning management system. A specific corner in the library is provided for the students to access e-resources. Online courses are made available to the students.

The college submitted proposals to UGC, DST, RUSA for the improvement of the laboratory and infrastructural facilities. The college has started new PG program in mathematics and physics, started UGC-COC courses in mobile repairing and drug analysis. Three research centres in physics, chemistry and mathematics have been recognised by the affiliating university.

The major outcome during last five years are:

- the college Principal Dr. J. S. Dargad has received 'Best Principal' award in the year 2015-16 by SRTMU Nanded.
- The UGC New Delhi awarded the college 'UGC-CPE Status' in the year 2016-17.
- RUSA, Maharashtra State Govt. has sanctioned Rs. 2 Cr. grants under component 9
- The College received DST-FIST recognition and grants in 2012-13 and the FIST grants were utilized during 2014-15 to 2017-18.
- 25 faculties were awarded with Ph.D. degree, 14 faculties were recognized as research supervisors, research publications.
- Improved University results, merit rankers, Inspire SHE scholarship holders, students research

publications

- Increased enrolments of students
- Improved in students qualifying NET/SET examination
- Inspire faculty awardees scheme was sanctioned to Dr. M.B. Pandge by DST with 1 Cr. for research.
- College has established effective online teaching and learning system via Microsoft teams, google meet, YouTube during the Covid 19 period.
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Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrics(QIM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.1 QIM	Measures initiated by the Institution for the promotion of gender equity during the last five years.
7.1.3 QIM	Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words) <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • Biomedical waste management • E-waste management • Waste recycling system • Hazardous chemicals and radioactive waste management
7.1.8 QIM	Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).
7.1.9 QIM	Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).
7.1.11 QIM	Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).
7.2	Best Practices
7.2.1 QIM	Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.
7.3	Institutional Distinctiveness
7.3.1 QIM	Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Qualitative analysis of Criterion 7

The college ensures equal access and provides opportunities to achieve the social, psychological and physical benefits to all the stakeholders. The college offers admission to both boys and girls from the downtrodden, needy and economically weaker sections. The college has sexual harassment cell, and disciplinary committee to deal with the situation if at all arises.

The following notable points are mentioned below:

- hygienic, safe and secured environment
- has an active cell for the prevention of ragging, internal complaints, sexual harassment and violence on men/women in the campus
- committees like Women Redressal Committee, Yuvati kalyan mandal, Internal Complaint Committee and Anti Ragging Committee as per the guideline of UGC and Supreme Court
- name of the committee members with contact numbers are properly displayed
- suggestion boxes are periodically checked
- telephone numbers of the police helpline, women helpline and emergency service are displayed
- campus is under CCTV surveillance
- “Damini Pathak” of local police station periodically visits the campus for the prevention of offensive activities.

- Women Redressal Cell provides personal, social and academic counselling for girls.
- the mentors assigned to the students provides personal counselling to girl students depending on their issues
- the college organizes lectures of eminent personalities to create legal awareness, health and hygiene among the students
- girl students are encouraged to participate in sports, NSS and cultural programs

The college has provided separate common rooms with essential amenities for both the boys and girls. The girl's common room is equipped with sanitary napkin vending machine

Waste management steps including; solid, liquid, biomedical, hazardous and E-waste management. Bins are being kept in all rooms as well as in the corridors. Plantation drives by NCC, NSS and NGOs are conducted from time to time. LED bulbs and Tube light are used in the entire college buildings instead of incandescent bulbs.

The college has created the following facilities to keep clean, green, pollution free and environment friendly atmosphere on the campus.

- **Solid waste Management:**

- To reduce the problem of solid waste disposal, dustbins are kept at different locations on college campuses and also in the classrooms.
- The solid waste is collected and sent to a depot specially set up by municipal corporation.
- To minimize the problem of waste disposal coloured dust bins are kept at the specified places in the college campus. The dustbins are placed separately for degradable and non-degradable waste at every corner of the corridor, wash rooms and common room. The dry dustbins are also placed in laboratories, library, classrooms, etc. Old newspapers, used papers and journal files, workshop scrap etc. are given for recycling to the external agencies.
- The bio-degradable waste is used for production of biofertilizers. The college has developed biofertilizers production pits with the assistance of the microbiology department. The biofertilizers so produced is used by the college.
- The NSS volunteers regularly conduct cleanliness campaign in the campus and contribute to keep campus neat and clean.

- **Biomedical waste**

- Microbial waste includes any product that emanates from or has been used in tampering with microbes.
- Microbial waste is either a solid waste or liquid effluents.
- Microbial liquid effluents waste includes 1) Discarded cultures, stocks of infectious agents 2) Clinical samples like urine, pus, stool, blood, serum, swab & plasma. 3) Vial of antibiotics, injectable vitamins.
- Steam sterilization method is used for disposal of biomedical waste.
- Solid waste i.e., culture media after steam sterilization are packed in bags and placed in trash.
- Broken Glassware's are disposed of in cardboard boxes packed with cello tape and labelled as Broken Glassware. This labelled boxes separately sent to municipal corporations garbage depot.

- **Liquid Waste:**

- All waste water lines from toilets, bathrooms etc. are connected with Municipal drainage.
- Preferentially diluted solutions are used for experimental purpose. Concentrated solutions are thrown in sink only after dilution.
- After treatment (steam sterilization or using chemical disinfectants) liquid wastes are disposed of in the diluted forms through the drainage system.
- The waste water from the hostel is sent to the sewage treatment plant set up by the DES in 2019 for purification and is reused

- **E-waste management:**

- Outdated and non-working equipment, computers, keyboards, batteries are written off from the dead stock register regularly. These are then being sent to the central store for further process as per the education society's policy.
- The dead e-stocks are collected by the contracted vender
- The college has donated old but working computers to the local school Smt. Surajkunwardevi Lahoti Creative Kids School as a gift.

Hazardous chemicals and radioactive waste management

Inorganic and organic waste from the laboratory is collected separately. The inorganic waste is directly dumped into the drainage system and organic waste is (**burnt out**) disposed of after treatment through the sewage treatment plant. The college does not generate radioactive waste. Mahatma Gandhi National Council of Rural Education under the Department of Higher Education, Govt. of India has awarded the college with "MGNCRE-DHE-MHRD-GOI/District Green Champion Award" under 'One District One Champion'.

The college takes initiative in providing an inclusive environment to the students as well as to outsiders. Some of the activities organized by the institution include, Green Initiative, Social Awareness and Industrial Visits. The staff members are made aware of these activities through the academic calendar so that they can take part in these activities. People from nearby area also participate in some of these activities. The students are briefed regularly about the maintenance of harmony and tolerance, cultural, regional, linguistic communal socio-economic and other diversities by arranging expert lectures on eminent personalities. To maintain the linguistic importance the institute celebrates Marathi Bhasha Din. Birth Anniversaries of national heroes are celebrated with the local community. Every year the college organizes campaigns and rallies especially in the nearby rural areas for increasing environmental and social awareness among citizens as well as to the students to communicate with the outside people and guide them on topics of health, cleanliness and education. There are some of the notable programs:

Cultural Diversity programs: arranged annually to promote cultural harmony among students and staff where the students perform traditional/ classical arts like drama, folk dance etc. "Vividh Gundarshan'(Annual Cultural Event) program is conducted where students participate in fancy dress, rangoli, regional dance and singing competition. The college celebrates dandiya during the navratra festival.

Regional & Linguistic Diversity programs: include Vachan Prerna din celebrated on the Birth anniversary of Dr. APJ Abdul Kalam. The college celebrates hindi din & marathi bhasha din to impart the importance of language. Marathi Bhasha Pandharwada (15 days marathi language program) is celebrated by the Literary and Cultural Association with an aim of moulding the personality of students and exposing them to wide range of

literary and cultural activities and raise awareness about Marathi language.

Communal and socio-economic diversities: include “Old Age Home Visit”, for the students to experience life lessons for the senior citizens. The college organizes rallies to create awareness of AIDS, cancer, voter, swachh bharaat abhiyan etc., and promotion of vaccination through” Pulse Polio Vaccination” program.

The college celebrates Sadbhawana Din and Samajik Aikya Pandharwada (15 days workshop on Social unity), to impart socio unity among them. Financial literacy workshops are organized to make students aware about financial management. Gandhi Vichar Sanskar Pariksha and “Alpsankhyak Hakk Din” were celebrated for promoting the values of nonviolence, truth, inclusiveness and right. The college celebrates international ‘Yoga Day’ on 21st June every year since 2015. The college has recently launched course on Yoga for Beginners (Family and Students Module) to promote the physical and mental wellbeing of students, staff and their family members, considering the Covid-19 pandemic.

The college took steps to promote and sensitize students and employees about their constitutional duties towards the nation and the society through motivational speech and celebration of jayanti and punyatithi of the national leaders. The notable measures include the following:

- The college undertook different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation specially values, rights, duties and responsibilities of the citizens.
- Environmental awareness events are regularly arranged by the college to make students, staff and the public realize the importance of "Plastic free campus", "Tree Plantation," and "Swachhata Abhiyan".
- "Matdan Janjagruti" event is conducted by students to make aware about the voting responsibility of every individual as an Indian citizen.
- The college motivate students and staff to donate blood and make them aware about the importance of blood donation and lifesaving.
- The college celebrates national science day and undertook health initiatives such as Aids awareness rally, entrepreneurship awareness programs.
- To solve water crises the people of Latur had initiated a movement ‘Jalyukt Latur’ in which the college contributed Rs.2.54 lakh to rejuvenate the river Manjara.
- During the covid 19 Pandemic, the college has made contribution to ‘Maharashtra Chief Minister Relief Fund- Covid19’, distributed food and grocery packages, provided campus facilities for covid testing and vaccination drive.
- The NSS, NCC students provided their services as volunteers in these initiatives. The college promotes students to attend the constitutional leaders’ address/ discussions such as “Mann ki Batt”

The students and the staff members enthusiastically with the spirit of patriotism celebrate national and international commemorative days by breaking the chains and boundaries of religion.

- The institute celebrates major/minor national, international days and anniversaries like World Environment Day, International Yoga Day, International Women’s Day, NSS Day and Marathi Bhasha Din.
- The college celebrates Republic Day and Independence Day and highlights the struggles and sacrifices made by the freedom fighters
- On 26th November, student and staff of the college celebrate constitution day by taking a constitution pledge and get themselves aware of various rules/laws for human dignity, equality, social justice, human rights, freedom, respect and superiority of constitution in the national life.

- The birth anniversaries of Maharaja Maharana Pratap, Rajarshi Shahu Maharaj, Rajmata Jijau, Lokmanya Bal Gangadhar Tilak, Punyashlok Ahilya devi Holkar, Lal Bahadur Shastri, Mahatma Gandhi, APJ Abdul Kalam and death anniversaries of Lokshahir Annabhau Sathe Smruti Din, Dr. Vasant Rao Naik, Indira Gandhi, are celebrated every year.
- Focusing on the unified diversity of the nation, the government has announced the birth anniversary of Sardar Vallabhbhai Patel as Rashtriya Ekta Diwas and is celebrated on 31st October every year.
- Other programs that enhance the Teacher and Student relationship are also celebrated by the students. Teachers Day is celebrated on 5th September, the birth anniversary of Dr. Sarvapalli Radhakrishnan.
- Savitribai Phule Birth Anniversary is celebrated on 3rd January who was the first lady to start education to the girls in Maharashtra. Swami Vivekanand Birth Anniversary is celebrated on 12th January as National Youth Day.
- Chhatrapati Shivaji Maharaj jayanti is celebrated on 19th February to inspire the generation about his brave warriorship & managing the difficult situations of the Maratha during the Mughal period.
- Dr. B. R. Ambedkar Birth Anniversary is celebrated on 14th April
- Maharashtra foundation day is celebrated on 1st May

Best Practices: I

- Title of the Practice: Science for Vision, Inspiration and Prosperity (S-VIP)

Practice:

Science promotion through (S);

Vidyan Manch, (V)

INSPIRE Camps (I)

Lecture, Workshops, Refresher Courses (P)

- Objectives of the Practice:

At the district level holding of “Vigyan Manch camps” for school children with a motto ‘Catch Them Young’ to create scientific outlook, motivate to opt for science education by explaining scientific principles through ready to do experimentations.

To enhance the quality of science education and to prepare them for the National Wisdom Research Examination.

Innovation in Science Pursuit for Inspired Research (INSPIRE) for higher secondary students to build the required critical human resource pool for strengthening and expanding the Science & Technology system and R&D base.

Workshops for UG & PG students to improve their background knowledge in the specialized areas of respective subjects.

Refresher courses for faculties, research scholars and post graduate students to keep pace with the changing scientific environment and to provide exposure to the multidisciplinary advances.

- Context:

State Institute of Science and Mathematics, Nagpur in collaboration with Maharashtra state government organizing district level vigyan manch since 1969 at the college to implement scientific concepts at the school level. A seven-day residential camp is being organised and scientific awareness among the students are created by lectures and demonstrations through experiments.

The college in collaboration with Department of Science and Technology (DST) organized five-day fully residential camps under INSPIRE science camp to make them understand scientific innovation.

Workshops for both the UG & PG students so that to make them aware through scientific lectures towards scientific development made.

Refresher courses were arranged in collaboration with Indian Academy of Sciences for the faculties in particular to learn and gain new prospectus of learning and to modify current teaching methodology in an innovative way in their respective subjects.

- Practice:

Under the vigyan manch a total of seventy students were selected through vigyan manch pre-examination. The selected students underwent a pre-determined seven-day camp for daily engagement of eight hours where basic science demonstration was given followed by motivational lectures from the eminent personalities. In these camps educational tour including visits to local industrial projects sites, cancer hospitals were arranged.

The college has arranged INSPIRE Science Camps for a period of ten consecutive years since 2010. The selected students of class XI from the nearby are of Latur were accommodated in the campus for five days. The college has arranged eight such camps during the last five years and around 1357 students were benefitted.

During the camping period students were allowed to interact with Indian Academy Fellows, senior scientists, university professors, Bhatnagar awardees and scientists of National and International repute. The students also got opportunity for round table discussions, experiment sessions, creative poster competitions, seminars, science quiz, hands on experience and field visits. The participating students were provided with free transportation, local hospitality, related study materials, educational and registration kits. A certificate of participation and take-home experiment kit were also given to the students at the end of the five-day science internship camp.

The college jointly organized a three-day lecture workshop in Physics, Chemistry and Mathematics for UG & PG students with the Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences India, Allahabad. The resource persons were drawn from IIT's, IISER institutes, National institutes and Universities. The participants included from the neighbourhood colleges and districts.

The college had organized four refreshers course jointly with Science Academies during the last five years of two weeks duration each in Physics, Chemistry, Botany and mathematics with a pan India participant.

- Evidence of Success: During the last five years 2340 students benefitted from this Best Practice and the total budget was Rs. 1,22,92,500/-

- Problems encountered and resources required: At the beginning the response from good students were less for B.Sc. stream. Later the encountered problem was solved by implementing the above schemes. Due to Covid-19 pandemic, the above events could not be conducted properly due to restriction.

Best Practice II

- Title of the Practice “Students Encouragement through Financial Aid” (SEFA)
- Objectives of the practice:
 - To encourage students to achieve excellence in academic, co-curricular and extra-curricular activities
 - To provide financial assistance to meritorious and needy students
 - To promote welfare activities
- The Context:

Awards to meritorious students belonging from the financially weaker section to boost their confidence through felicitation programs, with cash prizes, medals, mementoes, certificates

For NSS/NCC/sports/cultural/ co-curricular and extra-curricular activities the achievers are felicitated with cash prizes, medals, mementoes and certificates

For creative writings in Unmesh the students with multilingual abilities and with diverse backgrounds are identified and encouraged.

The college has provision for research fellowships and has made budgetary provision for research programs. The earn and learn scheme adopted by the college provides research scholars to do some part time work to meet their personal need.

(D) The Practice: Awards for university rankers (Gunvatta Sanman Yojana) with cash prizes from interest accrued through deposits made by the trustee, alumni, faculties, and parent donors. The college recognises the achievements of students from NSS/NCC/Sports/Cultural activities and encourage them by providing sports material. The College publishes annual magazine ‘Unmesh’ where literary writings are accepted in Hindi, Marathi and English. The best three writers are felicitated with cash prizes. The college has made provisions for research fellowship beside Earn & Learn scheme provided in the library and in the Maharashtra pollution control board projects, where the selected students are paid Rs.8000/- as field assistant, without disturbing their academic routine.

(E) Evidence of Success:

- Award for university merit rankers under Gunvatta Sanman Yojana: 156 students were awarded with Rs. 152601/-
- NSS/NCC/Sports/Cultural activities- 97 students were given Rs. 69,014/-
- Creative writings in Unmesh-The 3 creative writers each year were given Rs. 1000/- each during the last 3 years, totalling Rs. 9,000/-
- Research fellowships/ Budget for students’ research: Three student researchers were given the research assistance of Rs.97,593/-
- Under Earn and Learn scheme: Each year 2 students were selected and during the last five years Rs. 60,100/- were earned by them.
- Other forms of assistance: Three PG students each year were financially assisted with Rs. 8,000/- per

months

(F) Problems encountered and resources required: - Due to Covid19 pandemic, students' physical movements to campus were restricted, NSS, NCC, sports, cultural activities were prohibited due to Covid protocol.

Resources required: The college is aided by Maharashtra Government and there are limited resources. The funds under the practice are generated by the college, the DES and the MPCB. The college may generate resource through skill development programs.

- Notes (Optional):- Financial assistance provided by the college under the above mentioned headings might encourage students towards hard and meaningful work.

Title: Meritorious Dayanand Pattern striving for excellence

The college was started in the Marathwada region in 1967 with one teacher with an aim to provide good education to the deprived section of the society from the nearby villages. Now the college has turned into a multi-disciplinary institution providing quality education in both teaching and research to the under graduate, post graduate and Ph.D. level. The college is mainly providing education in basic and applied science but also give emphasis in the modern trend and innovation made in the scientific field by organising seminar, symposium and workshop involving eminent people chosen from academics and industries. To achieve its mission "To establish and sustain a meritorious Dayanand Pattern striving for excellence" and vision "Let the noble, divine thoughts come to us from all the direction of the Universe." the faculties of the college is putting full effort to mould and empower students in the pursuit of knowledge, values and social responsibilities and help them to achieve excellence in various fields, thereby making them battle ready to face the global challenges.

Following are the major **distinctive areas**.

- The college has been recognised by UGC, CPE, DST, FIST, RUSA, NAAC due to its proven track record and has been awarded by the affiliating university.
- Collaborations with renowned institutes for academic and research activity for both the students research scholars and teachers.
- The College organized seventeen Inspire Internship Science camps from the grants received from DST for the higher secondary students since 2014, four national level refreshers course, five workshop in collaboration with Indian Academy of Sciences, Bangalore since 2016.
- The college executing a project of Maharashtra Pollution Control Board (MPCB), Govt of Maharashtra for ambient air quality monitoring.
- The college has pioneered a university merit pattern for two under graduate (general and computer science) and six post graduates viz. physics, chemistry, mathematics, computer science, microbiology and biotechnology program. During the period from 2016-17 to 2020-21 a total of thirty-eight students from the college had secured first, second and third positions in the university examination.
- The students from the college are encouraged to participate in the co-curricular and extra-curricular activities at the national and international level. The college had sanctioned Rs. 50,000/ to Miss Aishwarya Arun Andhare, having eight research papers and awards under her belt, selected as 'Young Researcher 2019' by Western Sydney University in the International conference held at Chandigarh and Rs. 10,000/ to Miss Vidhi Palsapure as research fellowship for presenting research paper at 10th Bhartiya Chatra Sansad, Vigyan Bhavan, New Delhi.
- Through the academic excellence the college tried to create the ability in the students to perform, achieve and excel in scholastic activities.

- For effective teaching, learning and evaluation the college has teaching aids and ICT tools such as smart boards, e-LMS, online software etc. The effectiveness of these changes is visible in increase in admissions, students' achievements in placements, publications and research. The affiliating university has given recognition to the college as research centres in four subjects viz. physics, chemistry, mathematics and microbiology with fourteen eligible Ph.D. supervisors and eighteen research scholars. The faculties have published 185 research papers during the last five years and one faculty member Dr. M.B. Pandge had received Inspire faculty offer in 2015 from DST. In keeping view of the motto, the college tries to help students for their overall development through academic excellence.
- The PG students of the college are motivated for research. In the last five years quite a good number of publications were made by the students.
- Some of the faculty members were invited abroad as speaker at the international conferences. Notable among them are Dr. M.B. Pandage visited Osaka (Japan), Singapore, Cambridge University, Paris, San Francisco, and Gaungdong, Dr J S Dargad visited Dubai, UAE Dr. L V Thakare visited Paris. Dr V D Mote visited Paris Dr S S Bellale made visit to USA, Switzerland, Bankong, Malisya and South Korea whereas H.A. Varudkar, PhD research scholar visited to Paris.
- The college campus is spread over 4.5 acres of land and equipped with good infrastructural facilities that include 18 classrooms out of which sixteen are ICT enabled, 4 seminar halls, 30 well equipped laboratories, zoology museum, botanical garden, separate library, drinking water facility, nonconventional energy sources such as solar panels, sewage treatment plants, and fire-fighting facility etc. There are some common facilities in the campus maintained by Dayanand Education Society such as Dayanand Sabhagruh (Auditorium), hostel for boys and girls, sports facilities, parking space, walking track, students' welfare centre, canteen, ATM and management office.
- The sports facility at the college includes cricket ground with automatic sprinkler, one basketball court with cement concrete surface, two volleyball courts, two lawn tennis clay courts, one Kho-Kho court and two kabaddi courts. The indoor stadium and gymnasium is also well equipped and are used regularly by the students.

Training and Placement:

- The college has a Training and Placement Cell from where information about vacancies is made available in various organizations to the students.
- Systematic plan is chalked out to keep communication with industry heads. Employee feedback is taken and as per their suggestions the training is provided to students. The experts are invited to guide and train the students.
- Right from the beginning of the program, students are continuously counselled with regard to career aspirations and options, which in turn is followed by the potential companies for participating in the placement program of the college.
- The college help students in exploring placement opportunities. College invites various companies for campus recruitment for the final year students. Alumni are also invited in recruitment activities of students.
- Students are groomed to face the interview and the selection process.
- The college believes in making students employable and also motivate them to set up start-ups.
- In the College Development Committee, industry representatives are invited for having fruitful discussions on recruitment of students.
- To achieve the goal, following T&P programmes are being conducted regularly.
 - Aptitude tests.
 - Communication Skills
 - Soft and Technical Skills

- Value added Courses
- Personality Development Programmes
- Special Placement focused Training such as pre-placement talk, interview skills.
- Exposure to Industrial visits.
- Guest Lectures

Section III: OVERALL ANALYSIS based on Institutional strengths, Weaknesses, Opportunities & Challenges (SWOC) (up to 500 words)

Strength:

Strength

- The Parent Dayanand education society has 62 years of legacy
- Visionary and supportive management
- Strategically located in the educational hub, Latur
- Good infrastructure well-furnished laboratories with well-maintained equipment
- Green, energy audited campus
- Transparent Governance and Administration
- Blend of qualified, experienced and enthusiastic faculty
- Library with e-journals and books on INFLIBNET, Shodhganga and Science Direct
- Wi-Fi facility and governance through ERP System
- Cordial relations between Management, Principal and employee
- Registered Alumni Association
- Socially linked active NSS unit
- College has 14 functional MoUs and collaboration with industries
- Student's encouragement through financial aid
- 138 numbers of research papers in UGC approved journals

Weaknesses:

- Research activity is limited.
- The college has to depend on the external funding agencies
- Transportation service not available
- Less number of interdisciplinary programmes
- Skill development programmes are not available
- Bio-waste management needs attention
- Emergency medical facility is limited
- Placement cell needs proper co-ordination between the stake holders

Opportunities:

- To start PG courses having high demand
- To increase interdisciplinary projects
- To design and conduct more numbers of skill- based programmes
- To encourage entrepreneurship development with the help of Alumni
- To go for effective participation in Government aided schemes
- The college has opportunity to introduce more industry oriented technical courses
- The college has possibilities to undertake innovative and incubation centres for entrepreneurship and developmental programmes.

Challenges:

- To attract high ranking students from diverse culture for admissions
- Funding from external and governmental agencies for academics and R & D
- To increase the participation of staff in orientation and refresher courses
- To encourage students for competitive examinations and higher studies
- To retain faculty and availability of qualified staff

Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- Regular appointment of teaching staff
- Training and placement cell needs to be enriched
- Institute can go for autonomy
- Skill development and vocational courses could be introduced
- More carrier oriented courses can be started and research centers could be established

I have gone through the observations of the Peer Team as mentioned in this report

Signature of the Head of the Institution

Seal of the Institution

Sl.No	Name		Signature with date
1	DR. R M MISHRA	Chairperson	
2	DR. SURAJIT KUMAR GHOSH	Member Co-ordinator	
3	DR. MURPHY ALEXANDER PETER ALEXANDER	Member	
4	Dr. A.v. Prasad	NAAC Co - ordinator	

Place

Date