



SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, PAUNI, DIST. BHANDARA (MS)**

KHAPRI ROAD, PAUNI, DIST. BHANDARA (MS)-441910

441910

www.sscpauni.com

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Shri Shivaji Education Society Amravati is one of the second largest society in Maharashtra, established in 1932 by Late Dr. Panjabrao Deshmukh, the first Union Minister of Agriculture. At moment, the society is running 311 institutions providing education from primary, high school, junior and senior colleges in different disciplines, professional colleges including medical, engineering, education, law, biotechnology and agriculture.

Thirty years back, the area was devoid of senior college in science stream. With the mission of bringing the students of masses in main stream, Dr. Dadasaheb Kalmegh, then President, started Science College, Pauni in 1988-89. Initially, the college offered only two courses, B. Sc. (Maths) and B. Sc. (Biology), but later added B.Sc. (Computer Science) in 1998-99. The academic activities were earlier run-in rented building and shifted in 1997-98 to own premises. Presently, the institution has two storied two blocks accommodating ICT-enabled classrooms, science laboratories, administrative block, library, girls' common room, meeting room, seminar hall, ground, canteen, vermicomposting facility and NSS unit. The college is permanently affiliated with RTM Nagpur University and is under 2(f) and 12(b) norms of UGC and till date utilized more than one crore rupees grants from UGC and KVIC. Recently constructed two storied block and canteen are the latest accomplishment in infrastructural development for better prospects in fulfilling the teaching-learning requirements and research activities. Science stream junior wing proposal is in pipeline. The institution also planned for post-graduation with recognition of research laboratories.

In 2020-21, the college had 450 students pursuing education in nine undergraduate programs of basic science under three degree courses, supplemented by five self-financed skill-based certificate courses in Botany, Chemistry, Zoology, Library and information science. The students secured highest marks in individual subjects and also stood in merit list in university examinations. Faculties are well-qualified with Ph.D. degree and are engaged in research and publications. Five faculties are recognized supervisors guiding the students. The institution is actively engaged in extension and society-oriented activities through research and awareness under 'Bee for farmers' initiative for sustainable agricultural development that became mass movement for the youth and farmers of the area for generating employment opportunities.

Vision

The vision of the institution is to spread the education to different strata of the society, in the rural area, deprived of it during the preceding centuries to bring the social transformation and to use the education as a major tool to inculcate scientific temperament, sense of justice, leadership qualities, social responsibilities, ethical values and to bring them to the level to participate in the nation building activities with a view to promote their individual, social and consequently the national growth.

Mission

- To provide quality education to the students from all strata of society in general and poor and middle-class families in particular.

- To impart quality education through the established academic programs and promote scientific temper among the students,
- To create intellectually stimulating environment for students to acquire skill-based knowledge and platform for creativity, innovations to progress towards excellence and to make them vibrant and conversant with current knowledge,
- To inculcate sense of discipline and responsibility towards nature and society
- To create intellectually stimulating environment for innovative ideas, creativity and to provide best educational experience to the students by promoting an environment of continuous improvement.
- To imbibe the students with science oriented ethical, moral and social values in personal and social life leading to highly cultured and civilized citizen
- To disseminate the latest knowledge and technology in farming practices by establishment of farmer's association.
- To emerge as premier higher education institute within the area by providing quality education.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The institution has been able to develop number of strengths over the period of last 33 years.

- **Location:** The institution is located away from the residential area and is surrounded by the greenery creating the pollution free environment of natural clinic.
- **Statuary position of the institution:** The institution is permanently affiliated with the RTM Nagpur University, Nagpur and is under 12(b) and 2(f) norms of UGC.
- **Physical and academic resources:** Existing physical and infrastructural resources are adequate to run the academic activities. ICT-enabled classrooms and well-equipped laboratories enable an effective teaching-learning.
- **Excellent outcome of the teaching-learning methodology:** 'Pawan pattern' teaching-learning methodology devised by the institution proved to be helpful in enhancing the academic performance of the students. The students of the college secured highest marks in the individual subjects throughout the university and also stood in the merit list of the university.
- **Employability enhancement through skill-based certificate courses:** The supplementary skill-based, value-added certificate courses helps in employment generation.
- **Richness in society-oriented and extension activities:** Institution has become the hub for farmer-oriented activities. Several farmers and the youth are trained for bee keeping practices through number of training workshop organized by the institution under Honey mission. It opened different avenues for the youth and the farmers leading to the sustainable agriculture. The initiative has been transformed into a mass moment and is acknowledged by government and non-government agencies. A project with outlay of Rs. 4.8 crore submitted to MSME is in pipeline. Number of society-oriented activities are carried through active NSS unit of the institution.
- **Research activities through enthusiastic intellectual capital:** The highly educated faculties are the proud strength of the institution. 94% of the faculties are with M. Phil/Ph.D. degrees and the focused faculties are actively engaged in research activities by active research and internationally acclaimed research publications. Five faculty members are recognized and supervising the students.
- **Rich alumni network:** Some of the alumni, produced during last 33 years, have occupied prominent positions in government and non-government organizations rendered their support for overall development of institution. The institution has received funds and other items worth more than Rs. 14

lakhs.

Institutional Weakness

Though the institution is run by one of the second largest educational society in Maharashtra state, and established for the betterment of the masses, the institution finds weakness in some of the areas.

- **Limited opportunities due to location:** Location of the college in rural area is the main barrier for restricting collaborative activities.
- **Restriction in industry-institution interaction:** Being situated in underdeveloped and less industry density zone, the Institution has limited scope for industry-institution interaction and for the student's project/internship and limited scope for employment opportunities
- **Limited space:** Topography of the campus permits only a limited space for additional infrastructure development
- **Physical facilities:** Present infrastructural facilities and the library are inadequate to cope up with the futuristic demands of the students.
- **Augmentation in infrastructure:** Sophisticated auditorium and the sport complex are the need of an hour
- **Enrichment of library resources:** Restricted number of journal subscription in the library. Library needs to be enriched with more subscription of the journals and periodicals
- **Language barrier:** English is often observed as language barrier for students for effective communication
- **Playground area:** Small space for playground limits the organization of district/university/ state level games and sports events
- **Restricted academic flexibility:** Being an affiliated college, the institution has to follow all the norms, guidelines and procedures laid down by the affiliating university. It limits the academic flexibility.
- **Limitations in fund generation:** Incorporation of the additional self-financed courses is restricted due to the enrollment of the students from low-income groups. Student fees collected is the only sources of funds
- **Restricted scope for organization of academic activities:** Funding for organizing academic programs like seminars/workshops and conferences is often difficult to procure. Though the faculties are actively engaged in research work, the institution has restricted opportunity for getting research funds for project work
- **Overburdening of the faculties:** High teacher-student ratio is the major issue creating impact on mentoring the students
- **Unwarranted government policies:** Recruitment of teaching and non-teaching staff is affected due to the state government policies of imposing the ban on new recruitment
- **Restricted placement opportunities:** Owing to lack of professional programs, the students have restricted placement opportunities

Institutional Opportunity

The changing national scenario has brought the higher education at a cross road where the institution looks at the following opportunities in terms of growth, development and the quality enhancement.

- **Futuristic Infrastructural development:** Further infrastructural development with a sophisticated auditorium and the sports complex to cater the futuristic need of the students of this area.
- **Providing employable skills:** Incorporation of additional self-financing skill-based, value-added certificate courses, supplementing the core subjects, for making the students more employable with life skills. It would help to train and develop suitable work force.
- **Use of technology to cope up with demands:** Rapid technological developments are also seen as an opportunity to provide best possible education to the students to make them stand in global competition.
- **Academic upgradation:** Initiation of post-graduation courses in science subjects thereby providing suitable platform to the students of this area for pursuing higher education at affordable cost.
- **Strengthening of research activities:** Recognition of science laboratories as research centres, in close future, would help to strengthen the active society-oriented research.
- **Social responsibility through extension activities:** The existing initiative taken for sustainable agriculture development through honey bee mission supplemented with other farmer-oriented activities through society-oriented research outcome would offer benefits to the farmers and the youth of the area.
- **Enhancement in outreach activities through amplification of ICT:** Enhancement in use of ICT in order to make teaching-learning process more effective and expand the outreach activities more effectively still cost-efficient.
- **Utilization of alumni resources:** Strengthening the alumni network and utilizing their services through faculty and student exchange programs
- **Strengthening research and development:** Bringing the institute to the level to make it eligible for availing the research and developmental grants from UGC under RUSA and other funding agencies
- **Collaborative approach:** The institution is looking for the opportunities of collaboration with reputed institutions/industries and laboratories for the amplification of scope for student's placement and entrepreneurship through industry-institution interaction and linkage.
- **Strengthening e-resources:** During Covid-19 pandemic period students and the staff are more exposed to the worldwide knowledge by attending e-webinars/seminars, etc. This would provide an opportunity to strengthen e-learning.

Institutional Challenge

Being working in the remote area having less facilities available and the students belonging to low-income group, the institution needs to overcome certain barriers by accepting the challenges ahead:

- **Sustenance:** The institution finds the major challenge to sustain and grow in the current dynamic scenario having cut throat competition.
- **Background of the students:** As many as students are from economically, socially and from backward classes. Great efforts are required to be taken from the part of the teachers to make students par excellence and nurture them to aspire higher ambitions by pursuing higher education.
- **Restricted avenues for fund generation:** Raising funds through self-financing courses is the biggest challenge.
- **Handicapped due to government policies:** Recruitment of the staff is based on the government policies and subject to the sanction of State Government. From 2013 up to 2019, the state government-imposed ban on new recruitment and hence created a sizable vacuum in the teaching efficiency of the institution. Difficult to fulfill the newly created posts and posts vacant due to superannuation.
- **Skill development:** The curriculum of basic science subjects, mandatory to implement, is not providing

the support to the scope of employability to the students through skill development

- **Holistic development of the students:** Tight schedule owing to the incorporation of the semester pattern do not permit more time for the teachers for the holistic development of the students.
- **Research aptitude:** A strong research interest needs to be cultivated among the students by providing them the environment of research culture
- **Restricted options for the students:** Addition of more academic courses for the students of this area to provide them an educational hub for variety of courses, since the students are restricted to limited options of courses available. Administrative hassle and time-consuming process limits the timely execution of the courses to be implemented
- **Industry-institution interaction:** Being situated in the industry free zone, it is difficult to set the industry-institution interaction and linkages
- **Training and development of the staff:** Implementation of automation in administrative work as well as enhanced use of ICT in teaching is demanding lot of training for both teaching and non-teaching staff.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curriculum Planning and Implementation

The institution offers 9 programs in 6 departments of undergraduate level belonging to three courses affiliated to RTM Nagpur University, Nagpur. Being affiliated college, the institution is mandatorily following the curriculum designed by the affiliating university, developed through its Board of Studies in respective subjects. While focusing on the outcome-based education, in addition to the regular programs, the college offers five different skill-based certificate courses during last five years based on the inputs, local need and relevance with the development. The schedule and the duration of all the programs is as per university guidelines. The college meticulously plans its academic calendar, thus ensuring timely preparation of timetable, distribution of workload and the commencement of the teaching schedule. Periodic assessments of the students are undertaken through home assignments, seminars, group discussion and unit tests in a time-bound manner.

Academic Flexibility

Five skill-based certificate courses, based on the local needs and applicability, offered to the students, are aimed at employability and entrepreneurship skill development. It helps the students to gain the practical knowledge through practical modules and frequent visits to industry/field. As many as 620 students benefited experimental learning through field visit/project works. In order to enrich the quality and utility of the curriculum of courses, the institution entered MoUs with few industries/ organizations.

Curriculum Enrichment

The institute also focuses on Gender, Environmental consciousness, Sustainability and Professional Ethics, that helps institution to inculcate ethics, sense of gender equality, environmental sustainability etc. The certificate courses like Sericulture, Apiculture, Mushroom cultivation, Chemical analysis of minerals in water, Library and Information Science, offered to the students as per the current need in the society.

Feedback System

The institution has established system of collection of feedback from all stakeholders. Reports of analyzed feedback are discussed and constructive suggestions are implemented for continuous improvement of the institution. It also helps ensuring appropriate action towards addressing any gap in student progression and overall institutional development as well as improvement in teaching-learning process. The committees like Women Redressal Cell, Anti-ragging committee, Grievance Redressal Cell help in maintaining the climate of security and equality on campus.

Teaching-learning and Evaluation

Student enrollment and profile

Student-centric teaching-learning process of the institution results in high demand ratio, reflecting institution's reputation in terms of teaching-learning efficiency. About 360 to 450 students from adjoining places takes admission to undergraduate courses.

Catering student diversity

Academic proficiency of students is assessed through classroom discussion, seminars, and tests/ assignments. Performance test conducted to identify slow and advanced learners. Special attention given to slow learners through remedial classes/tutorial sessions, whereas, advanced learners are encouraged to put in more efforts and guided to pursue higher education.

Teaching-learning process

Blended teaching-learning methods, both ICT and traditional classroom practices, make learning more effective. Use of LCD projectors, Wi-Fi internet connectivity proves helpful in enriching teaching-learning experience of the students. Institution employs effective mentoring system for counseling. Students encouraged to participate in co-curricular activities to heighten experimental learning experience. Final year students are given survey-based project, supervised by the faculties, to inculcate research interest among students.

Teacher profile and quality

Despite constraints with regards to recruitment of faculties, the institution leaves no stone unturned in maintaining optimal students-teacher ratio by appointment of full-time and part-time teachers on contract basis. The efforts of faculties in outreach activities are acknowledged by the NGOs and other bodies.

Evaluation process and reforms

Academic calendar is strictly followed. Declaration of the results is under purview of university. Performance of the students regularly monitored through seminar, unit tests, home assignments and terminal examination. Academically weaker students are guided for their academic improvements through remedial coaching/tutorial sessions.

Student performance and learning outcome

Program and course outcomes are designed and kept uploaded on the website. Outcome attainment of the program is evaluated through continuous evaluation. Result of university examinations are analyzed and

discussed in staff council meeting for further improvement. Teaching-learning 'Pawan Pattern' methodology exhibited excellent outcome with the improvement of the results of final year students, ranged between 90 to 100%. All students are accommodated under mentor-mentee system and guided for career opportunities.

Student satisfaction survey

Institution follows mechanism of obtaining and analyzing feedback from students. Feedback helps for overall improvement in academic activities and teaching-learning process.

Research, Innovations and Extension

Resource mobilization for research:

Institute, through its research promotion committee, promotes thriving research environment by motivating the faculties for procurement of research grants from government, non-government bodies and other agencies. Institution also promotes faculty in publications and organizing seminars. The institution also provides funds for organization of workshops/seminars/guest lectures and other academic activities.

Innovation ecosystem

Institute promotes innovations and entrepreneurship by initiation of skill-based certificate courses to the students and encouraging the faculty to undertake interdisciplinary research work. In order to inculcate research interest among students and despite of not included in the curriculum, final year students are given survey-based project. Institution organizes training workshops/seminars for students and farmers for generating employability skills and sustainable agriculture.

Research publications and awards

Though not having recognized research laboratories, the Institute creates an enabling environment to foster research culture providing required research support. Five faculty members are recognized supervisors and guiding the students in collaboration with other recognized laboratories. Faculties received awards for their research contribution. Outcome of the active research of the faculties reflects in sizable number of research publication in reputed national and international journals. Published research articles are in receipt of good citation with h-index and i10-index. Faculties are also actively engaged in authoring books, and contributing chapters in edited books. Liberal policy of the Institution results in participation of faculties in academic events of national and international level.

Extension activities

Institution created opportunities to support holistic development of students through several community outreach programs organized by NSS and subject societies. The institute serves its social responsibility by organizing/participating in various extension activities helping the communities and sensitizing students on issues of immediate relevance to the society. It serves the society through blood donation, Swachha Bharat Abhiyan, Plantation, wild life week, awareness programs on gender equality, environmental sustainability, Yoga, health and hygiene, etc. Faculties are actively engaged in benefiting farmers and youth through training workshops and providing honey hives at subsidized rate.

Collaboration

The institute signed MoUs with government and non-government organizations, research institutes, and industries for extension and research activities. The institution generated consultancy through its expert faculties.

Infrastructure and Learning Resources

Physical facilities

The institution consistently upgrades its physical and technological infrastructure to keep abreast of changing times and evolving needs of the students. To cope up with the changing needs of all the stakeholders, institution has been proactive in augmenting its physical infrastructure with the financial assistance from parent organization. The institution has adequate facilities for running current three affiliated undergraduate courses. Two out of six classrooms are ICT-enabled. The existing double storied, two adjoining blocks infrastructure built upon 1.5-acre land has administrative block, central library, four laboratories, computer laboratory, departmental staff rooms, physical education department, IQAC chamber, meeting room, examination section, seminar hall, girls' common room, canteen, vehicle parking stand, and sport ground. The institute has facilities for outdoor games only such as Kabaddi, Kho-Kho, Volleyball, and athletics events. The institute has open stage for cultural rehearsals and performance. Every year, the institute celebrates International Yoga Day to spread awareness about healthy living among students.

Library as learning resource

Central library has adequate number of text (3799) and reference books (2862), few journals, 8 newspapers and magazines, collection of rare books, books donated by the faculties and well-wisher. Library is partially automated with CBLMS software and all books are bar-coded. It has computers with Internet connection for access to the students. Library has open access for readers and also provide book bank facility to the needy students. During last five years, sum of Rs. 1,87,401 expenditures have been incurred for library. Each department also maintained the departmental library containing the subject books, thesis and study material.

IT infrastructure

The institution has adequate IT infrastructure with 32 desktops, 8 laptops, 07 printers with scanners and reprographic facility. Free internet access is made available to students and staff through Wi-Fi enabled campus. Entire campus is under CCTV surveillance.

Maintenance of campus infrastructure

The environment friendly campus is plastic free and encourages biodiversity conservation. The institute makes adequate budgetary provisions for augmentation and maintenance of all the facilities, whereas, the maintenance of IT infrastructure is outsourced. Annual budget for maintenance is prepared based on the recommendations of the respective committees.

Student Support and Progression

Student support:

Considering the students as primary stakeholders, the institution is proactive in taking various student supportive measures, like student empowerment, inclusive practices and skill development. Practice of social inclusion and welfare is internalized in the institutional process for extending maximum support to students. All scholarship schemes of State and Central Government offered to eligible students with detail information given through prospectus. Institute ensures prompt application schedule and payment of scholarships.

Institution works on well-established mechanism of student support. To facilitate holistic development and to emerge as a responsible citizen, institution regularly organizes several co-curricular activities like Yoga and meditation sessions, soft and life skill development for capacity building and grooming students. Remedial classes, personal counseling, mentoring system, career guidance, etc. are the platforms for providing guidance to slow learners. Advanced learners guided and encouraged for higher education and various competitive examination. Student's grievances, cases of sexual harassment and ragging are timely resolved through a transparent mechanism through dedicated committees like Discipline Committee, Anti-ragging, Grievance Redressal and Women Redressal Cell, etc. Student-friendly approach of faculties during classroom interactions, field interactions, project and harmonious campus environment has reaped benefit of minimal student grievances.

Student progression

The institute motivates and provides necessary support to the students for participation in placement camps and to opt for entrepreneurship development. Institution organizes various career advancement activities including, career counseling and guidance for competitive examinations. Sizable number of students progresses to higher education and cracking the state and national level examination is the outcome of excellent results of students. N.S.S. volunteers have participated and won the prizes at state level.

Student participation and activities

Focusing on holistic development of the students, institutions provide many opportunities to ensure student's representation in various student bodies and committees. Duly constituted Student's council, and student societies shoulders the responsibility of organization of various academic, cultural and sports events. Student's performance is appreciated in the form of certificates, prizes and trophies.

Alumni engagement

Active Alumni Association facilitate alumni network. The strong alumni association renders financial support for development of the institution and also helps in grooming current students by guiding them.

Governance, Leadership and Management

Institutional Vision and Leadership:

Governance of institution is aligned with the vision of providing quality education at affordable cost and its mission to emerge as a premier higher education institute through teaching-learning efficiency. Institute takes all stakeholders in confidence for smooth carrying out the professional responsibilities in accomplishing the vision and mission. To ensure the effective stepwise progress, institution has a well-defined organogram.

Participative governance, with decentralization, and democratic approach, in decision making, of the institution is reflected through the nomination of representatives from alumni, current students, faculties, non-teaching staff, society, and from industries in different committees.

Strategy Development and Deployment

Institution achieves quality education through effective teaching-learning process by and deployment of policies with participation of experienced academicians and professional from allied areas. It also helps in incorporation of creative and innovative ideas and best practices opted by institution. Based on the need and demands from all stakeholders, the institute prepares annual strategic plans which further divided into short-term and long-term goals based on the priorities. Smooth and efficient functioning of mechanism is the outcome of the deployment of the functions and responsibilities at each hierarchical level. Staff council, the backbone of the institution, provides platform for deliberations of progressive policy deployment. Partial e-governance in administration, examination and student's support helps in speedy decision making.

Faculty empowerment strategies

The institute has several welfare schemes for faculties and supports the faculty to improve professional efficiency by organizing several staff development programs. Institution has a well-defined performance appraisal system in which performance appraisal done at two levels.

Financial management and resource mobilization

The institute has transparent mechanism of maintaining finances. Received funds are properly utilized for development of the institution and strictly adheres to the fund mobilization and financial audits.

Internal Quality Assurance Cell

An active IQAC bears the responsibility of not only taking quality initiatives but also ensures quality working process. IQAC is instrumental in preparing plans and overall quality assurance in teaching-learning and all other aligned quality initiatives. Submission of AISHE data and establishing systems and processes in accordance with the accreditation requirements come under the purview of IQAC.

Institutional Values and Best Practices

Institutional values and social responsibilities

With limited resources, the institution works on certain values, leading to build socially responsible students. The institute adopts values that promote women empowerment, environmental consciousness, gender equity, ethical and universal values, which are covered through various student-centric activities. It takes various measures for gender sensitization, safety and security for great number of girl students enrolled in the institution, assured through the installation of surveillance cameras and timely resolving the issues through anti-sexual harassment cell, women redressal cell, anti-ragging committee.

Plantation, regular cleanliness, wild-life week, world environment day, installation of rain water system, biodiversity conservation, waste management, vermicompost unit, etc. drives the attention towards environmental consciousness. Institute makes all its efforts in conserving energy by installation of biogas

generator and using LED lamps. Despite of not having enrolled, primary support system is made available to differently abled students.

Institute has capitalized the situatedness by conducting various events in collaboration with local people. Strengthening professionalism and inculcation of ethical and national values achieved through organization of activities like constitution day, national science day, cleanliness, health camps, as well as celebrating the birth and death anniversaries of the great national leaders and social reformers.

Best practices

Institute is known for its effective teaching-learning methodology popularly known as 'Pawan Pattern'. It encompasses monitoring academic performance of the students through continuous evaluation by organizing performance test, unit tests, home assignments, seminars, terminal examination, etc. Slow learners are given special attention through remedial coaching and tutorial sessions. Institution witnesses fruitful outcome of methodology in terms of excellent results of final year students in university examination. Another best practice, benefiting the farmers and youth and acknowledged by government and non-government agencies is 'Bee with Farmers'. The practice involves providing training to the farmers on bee keeping and generating the employment opportunities to the youth. It aims to enhance the agricultural income of the farmers through sustainable agriculture.

Institutional distinctiveness

In alignment with the vision and mission, the institution is emerged as one of the best education institutes known for its effective teaching-learning process and outcome and the society-oriented activities through honey mission.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S SCIENCE COLLEGE, PAUNI, DIST. BHANDARA (MS)
Address	Khapri Road, Pauni, Dist. Bhandara (MS)-441910
City	Pauni
State	Maharashtra
Pin	441910
Website	www.sscpauni.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Vijay Vishwanath Lapse	07185-255310	9604020733	07185-255568	sciencecollegepauni@gmail.com
IQAC / CIQA coordinator	Avinash Kashinath Aney	91-9604020733	7758877528	-	avianaaney@gmail.com

Status of the Institution	
Institution Status	Private and Grant-in-aid

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	01-01-1988
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University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Maharashtra	The Rashtrasant Tukadoji Maharaj Nagpur University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	12-02-2000	View Document
12B of UGC	13-09-2004	View Document

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Khapri Road,Pauni, Dist. Bhandara (MS)-441910	Rural	1.5	6746.99

2.2 ACADEMIC INFORMATION

NAAC

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BSc,Botany	36	Higher Secondary School Certificate	English	360	171
UG	BSc,Chemistry	36	Higher Secondary School Certificate	English	360	130
UG	BSc,Chemistry	36	Higher Secondary School Certificate	English	360	171
UG	BSc,Computer Science	36	Higher Secondary School Certificate	English	360	90
UG	BSc,Mathematics	36	Higher Secondary School Certificate	English	360	90
UG	BSc,Mathematics	36	Higher Secondary School Certificate	English	360	130
UG	BSc,Physics	36	Higher Secondary School Certificate	English	360	90
UG	BSc,Physics	36	Higher Secondary School Certificate	English	360	130
UG	BSc,Zoology	36	Higher Secondary School Certificate	English	360	171

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	5				4				13			
Recruited	5	0	0	5	4	0	0	4	4	3	0	7
Yet to Recruit	0				0				6			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				12
Recruited	7	0	0	7
Yet to Recruit				5
Sanctioned by the Management/Society or Other Authorized Bodies				6
Recruited	4	0	0	4
Yet to Recruit				2

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	0	0	4	0	0	3	3	0	15
M.Phil.	2	0	0	2	0	0	0	0	0	4
PG	0	0	0	0	0	0	1	0	0	1

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	1	0	1

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	1	0	2
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	2	2	0	4

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	71	0	0	0	71
	Female	320	0	0	0	320
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	24	27	19	22
	Female	60	54	44	58
	Others	0	0	0	0
ST	Male	3	0	2	3
	Female	3	2	4	3
	Others	0	0	0	0
OBC	Male	72	58	59	47
	Female	229	201	222	259
	Others	0	0	0	0
General	Male	3	3	0	1
	Female	6	2	6	7
	Others	0	0	0	0
Others	Male	16	17	18	16
	Female	22	16	24	34
	Others	0	0	0	0
Total		438	380	398	450

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:

The National Education Policy has been recently implemented and is at the initial stage of execution. The institution, being affiliated to the State University, has to mandatorily follow the curriculum and all norms prescribed by the university. Some of the steps taken by the institution in multidisciplinary approach are:

- Research: At moment, despite of not having recognized research laboratories in the institution, the recognized research supervisors are actively engaged in interdisciplinary research in combination of Botany and Zoology, Botany and Chemistry, Zoology and Chemistry, Mathematics and Physics, Chemistry and Mathematics, etc.
- Innovations: Considering the need and demand of the students, the institution has initiated five short-term, skill-based certificate courses supplementing to the core subjects. The content in the curriculum of these courses has been designed on the innovative ideas with interdisciplinary approach. The interdisciplinary courses initiated are having impact not only on the employment generation but also covering the social issues. Multidisciplinary approach of the institution is exhibited through completed/ongoing career oriented as well as certificate courses undertaken by the institution. The courses were/are kept open for all the students, from different core courses, enrolled in the institution.

• Career Oriented Courses (Completed):

- Formulation of daily need products and their application: UGC sponsored course Undertaken by Department of Chemistry, open for all the students.
- Local herbs and their products: UGC sponsored career-oriented course undertaken by Department of Botany, open for all the students.

• Skill-based short term certificate courses (Ongoing):

- Certificate course in Apiculture: Self-financed short-term certificate course initiated by Department of Zoology, open for all the students.
- Certificate course in Sericulture: Self-financed short-term certificate course initiated by Department of Zoology, open for all the students.
- Certificate course in Library and information science: Initiated by Department of Library and Information Science, open for all the students, open for all the students.
- Certificate course in Mushroom cultivation: Initiated by Department of Botany
- Certificate course in Chemical analysis of minerals in water: Initiated by Department of Chemistry, open for all the students.

2. Academic bank of credits (ABC):	<p>Owing to the implementation of National Education Policy, the affiliating university has already taken initiatives of Credit Based System at Post-Graduate level and started implementing in a step-wise manner at the undergraduate level. The ABC would provide digital platform for the students for credit recognition, credit accumulation, credit transfers, and credit redemption. The initiative undertaken by the affiliating university is at preparatory phase, the institution would opt for the ABC in very close future.</p>
3. Skill development:	<p>The institution is running three undergraduate courses of science subjects, and is affiliated to RTM Nagpur University, Nagpur. Curriculum of various subjects has been designed by affiliating university through Board of Studies in different subjects. Recently, affiliating university has restructured the curriculum through the BOS, and incorporated some of the modules leading to the skill development. Initiatives of the institution in skill development through curriculum: 1. Few of the faculty members have been assigned the work of restructuring the curriculum making it more skill oriented 2. Faculties from the institutions are elected/selected in BOS of the affiliating university and has been putting their efforts in designing the curriculum, in capacity of either chairman or the member of syllabus review committee 3. Institution has organized one day workshop on 'Curriculum Development in Mathematics', and discussed on incorporation of topics of skill-orientation and applicability 4. Curriculum in Botany has been designed more skill-oriented by inclusion of one complete unit, in each paper, leading to the skill development 5. Institution has already completed two career-oriented courses sponsored by UGC. 6. Institution has taken initiative for initiation of five skill-based short-term certificate courses for the students. Curriculum of all these courses have been designed by the expert faculty, with the objective of skill development and employment generation. The area of skill-based courses will be widened in close future. Following short-term courses are ongoing in the institution ? Skill-based short term certificate courses (Ongoing):</p> <ul style="list-style-type: none">• Certificate course in Apiculture: Department of Zoology• Certificate course in Sericulture: Department of Zoology.• Certificate course in

	<p>Library and information science: Initiated by Department of Library and Information Science. • Certificate course in Mushroom cultivation: Initiated by Department of Botany • Certificate course in Chemical analysis of minerals in water: Initiated by Department of Chemistry Skill development through co-curricular activities: ? Frequent organization of industry visits and excursion tours ? Organization of training workshops for farmers and the students on bee keeping and maintenance of honey colonies ? Students of the institution have been made aware by exposure on skill development through organization of guest lectures/seminars on sustainable agricultural development</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>The institution has not yet started any online courses for integration of Indian Knowledge System. In Maharashtra state, English is the language set by the government as medium of instruction. Since, English has become the language barrier for students of this area, local language, Marathi, is also used by the faculties for giving instructions in the laboratories and during remedial classes/tutorial sessions. Explanation in local language have been found to be more effective in teaching-learning process. Institutional efforts for integration of Indian language System: • Most of the notices for students are circulated in Marathi • Marathi language is used by the faculties for giving instruction during practical hours • Institution organizes essay/debate and elocution competition and students are allowed to write/speaks in Marathi Faculty contribution in National Education Policy: • Faculties from the institution Dr. Avinash Aney and Dr. BS Rahile has been invited and worked as a resource person in Four Days workshop on 'Preparation of Glossary for Environmental Science in Marathi', organized by Commission for Scientific and Technical Terminology, Ministry of Education, Government of India • Dr. Avinash Aney, has been invited as a resource person to talk on 'New Education Policy-2020: Importance and Opportunities of Education from Primary to Higher Education in Marathi in Environmental Science and Life Science'.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>Following the National Education Policy, the institution plans for initiation of outcome based vocational courses in close future. The institutional planning for the outcome-based education will be</p>

aimed at ? Research: • Encouraging the faculties to undertake the research having social benefits and generating the employment opportunities. • To tie up with the industries for expansion of research outcome through collaborative efforts. • Encouragement to the faculties and the research scholar for patent filing and copyright on the research outcome, either a product, process or design. • Enhancement in support system for the faculties and the students for providing opportunities for upskilling, reskilling and lifelong learning • Strengthening an appropriate ecosystem for teachers, trainers and assessors • Steps to align with sustainable development • Expansion of evidence-based research ? Outcome based education through skill-based courses • At present, institution has five supplementary short-term skill-based courses for the enrolled students. Institution plans for further expansion in skill-based courses • Developing linkages with the industries for education through collaboration • Planning for inception of internship for the students

6. Distance education/online education:

The worldwide pandemic situation due to Covid-19 has opened new avenues in different areas. All academic activities have suffered a lot due to implementation of national level lockdown and its further time to time extensions. However, it has given the birth to new ideas and alternative modes of teaching and learning. During the past academic year, the institution has taken following constructive steps in keeping the students in touch with the academic activities ? Teaching-learning through online mode: The teaching-learning process was highly affected during the initial phase of pandemic caused due to covid-19. Classroom teaching and physical appearance of the students was almost stopped. However, the institution was always in touch with the students through various social media applications. The institution started teaching-learning through the online application software developed by the parent organization. The students were provided with all study material in soft copies and were guided for the ensuing examinations. ? Organization of webinars/seminars/conferences through online modes: Faculties of the institution have been actively engaged in organization of webinars/seminars/workshops/conferences and various other academic activities. Students were also kept in touch with the

course through organization of various science and subject quiz through online mode. ? Evaluation through online mode: The institution hosted all the university examinations through online mode. The faculties of the institution were actively engaged in setting the question papers as well as evaluation of the answer sheets. All practical and theory examinations were conducted through online mode. ? Administrative affairs through online mode: All the administrative work including meetings, notices, discussion on policy matters, admission procedure, were carried through online mode. All teaching and non-teaching staff as well as the students now become used to for the online mode of teaching-learning and all other academic activities as well as administrative work. The online teaching mode can not be the reliable and effective substitute mode of teaching-learning; however, the institution plans for the distance education through online mode at partial level. It would help the institution to get enrollment for the external and other students.

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
95	95	95	95	95
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
09	09	09	09	09

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
450	398	380	438	395
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
204	264	264	264	225

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
189	119	79	124	107

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
13	14	9	9	9

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
22	22	22	22	19

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 06

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
21.40	314.7	137.0	40.3	115.3

4.3

Number of Computers

Response: 43

4.4

Total number of computers in the campus for academic purpose

Response: 39

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

The institution is affiliated to RTM Nagpur University and mandatorily following the curriculum of the university. With the aim of providing quality education to the students, the institution ensures timely preparation of the academic calendar and timetable, distribution of workload, commencement of the teaching schedule and periodic review of the curriculum. The institution regularly monitored the academic performance of the students through home assignments, seminars, group discussion, and unit tests in a time-bound manner. Various co-curricular activities are planned and held throughout the academic session to provide the experimental learning to students. Feedbacks are sought from the stakeholders for further improvement in teaching-learning process. In order to ensure effective curriculum delivery, the institution has followed the methodology devised.

Information circulation:

- Prospectus containing detailed information regarding programs and curriculum is made available to the students in well advance in printed format and uploading on website
- Timetables are prepared in advance before the commencement of each session and placed on the notice boards making the students convenient to attend regular classes from the beginning of the academic session.

Study material and curriculum design:

While focusing on the outcome-based education, in addition to the regular programs, the college offers five different skill-based certificate courses initiated during last five years based on the inputs, local need and relevance with the development. The schedule and duration of all the programs is as per university guidelines. The curriculum of the skill-based certificate courses is designed by the expert faculties in the departments. Self-prepared notes by the faculty members are circulated to the students.

Effective curriculum delivery:

The institution strictly adheres to its academic calendar prepared in accordance with the academic calendar of affiliating university. Faculties submit their teaching plans in advance and adhered to the plans for timely completion of the curriculum. Various methods, such as traditional classroom lecture, presentations, are used by the faculties to ensure timely and effective delivery of curriculum. Status of the curriculum is regularly monitored and is discussed in the Staff Council meetings. Extra classes are also organized for the early completion of the curriculum before the commencement of the university examination. Various co-curricular activities are planned and held without affecting the teaching schedule. IQAC regularly monitored the effectiveness of the curriculum delivery. Field/industry visits are organized for heightening the experimental learning experience of the students.

Periodic assessment and review of curriculum progress and effectiveness:

- Academic performance and progress of students is monitored through home-assignments, unit tests and terminal examination
- Slow learners are guided through remedial classes/tutorial sessions and personal mentoring.
- Timely evaluation of all the home-assignments and the unit tests. Under-performing students are informed for their poor performance.
- Reports of all the internal examination is regularly submitted to examination committee
- University results are analyzed and discussed at Staff Council meetings
- Feedback obtained from students and other stakeholders analyzed and appropriate action is taken on the problem area for improvement in teaching-learning process.
- Group discussion, classroom student’s seminar are the other modes used for assessment of the students.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Every year the institution reconstitutes all the committees, including Prospectus and Academic Calendar Committee. The institution prepares academic calendar based on the academic calendar of affiliating university. The academic calendar is incorporated in the college prospectus and also uploaded on the institutional website. It includes various timelines such as beginning and end of the session, mid semester vacation, tentative schedule of internal and external evaluation, schedule of each academic and other activities.

- **Priorities for academic activities:** Academic activities are always given priority and all other co-curricular activities are performed without disturbing the classes. The main purpose of fixing these dates in advance is to enable each department to plan for their own programs and various events. It also helps the students to plan their academic and co-curricular activities.
- **Decentralization approach:** After receipt of the master timetable, every department prepares the timetable and allocates the papers to the faculty members. Departmental timetables are displayed on the departmental notice board and also in the laboratories. To ensure the completion of syllabus well in advance, work plan of the teachers is obtained and the status of the completion of syllabus is discussed in the Staff Council meetings.
- **Continuous evaluation:** Academic performance of students is assessed continuously through home-assignments, unit tests, group discussion, seminars in a time bound manner. Tentative dates of external examinations are decided by the university, whereas, the schedule of both theory and practical examination for skill-based courses are decided well in advance by taking inputs from each department. The departments hold regular meetings to discuss about the execution of continuous assessment and on the completed portion of the curriculum.

- **Terminal examination:** Annual terminal examination for the students is conducted at least 15 days before the commencement of the university final examinations. The examination committee prepares the schedule of terminal examination and keep all the record of internal examinations. All the faculties are involved in setting the question papers and evaluation of the answer sheets of the students.
- **Abide to staff charter:** All the working committees including stock verification committee submits their annual reports towards the end of academic session, probably in the month of April. The institution developed the charter for staff and students. IQAC made it mandatory to all the departments and the committees to submit their departmental and committee annual reports, attendance record, API-PBAS forms, feedback analysis report and other relevant information to the head of the institution and also to IQAC.
- **Mock practical:** The departments organize test practical examination before the university practical examination and prepare the students for viva and other practical skills.
- **Timely submission:** Marks related with Internal assessment and the practical examinations are timely uploaded on the portal of affiliating university.
- **Efforts for improvement:** Institute has the mechanism of analysis of the results of university examinations. The data is analyzed and the result analysis is uploaded on the institutional website. Same is also discussed in Staff Council meeting and positive steps taken for further improvement in the results.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 0

1.2.1.1 Number of Programmes in which CBCS/ Elective course system implemented.

Response: 00

File Description	Document
Institutional data in prescribed format	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 9

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
00	04	04	00	01

File Description	Document
Institutional data in prescribed format	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 8.36

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	71	67	00	25

File Description	Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The institute emphasizes Gender, Climate and Sustainability, Human Values and Professional Ethics in the curriculum of skill-based certificate courses. Institution has taken initiatives for organization of activities relating inculcation of human values, professional ethics and code of conduct, gender sensitization and also environment and biodiversity conservation.

Enrichment through curriculum:

The university curriculum contribute towards environment and sustainability as follows:

- B. Sc. (CBZ): Both Botany and Zoology subjects accommodates environmental biology having topics on natural resources and its conservations, types of pollutions: causes and control measures, rain water harvesting, global warming, etc.
- Ability Enhancement Compulsory Course on Environmental science: In order to enhance the eco-literacy, the affiliating university made it mandatory to study the Environmental Science subject at B.Sc. Second year. It covers both theoretical and practical aspects by participatory learning through home-assignments. The course encompasses causes and control measures of environmental pollution, judicial utilization of natural resources, biodiversity conservation and environment protection laws.

Enrichment through various co-curricular activities:

Being single faculty institution running only the science stream courses, the institutions has taken various initiatives for addressing the cross-cutting issues of relevance through the organization of various co-curricular activities.

Promotion of Professional ethics:

The institution always imparts professional ethics and human values. IQAC of the institution has published the handbook on professional ethics code of conduct and made it available in public domain by uploading on the institutional website and circulation to the staff. Students and the staff of the college abide to code of conduct and professional ethics set by the institution.

Gender sensitization:

The institution has enrollment of great number of girl students from diverse groups. The activities like He for She, gender sensitization, awareness program on women safety and respect, role of women in

education, contribution of women in science, women empowerment, protection of women against domestic violence, observance of international women day, women education in India, poster competition on the theme Beti Padhao, Beti Bachao, essay competition on 'Empowered women makes empowered society', etc. organized through the dedicated Women Redressal Cell, helped in addressing the issue of gender equality.

Environmental consciousness:

The institution organizes various activities promoting the environmental consciousness. The activities such as wild-life week, workshop on natural disaster management, guest lecture on biodiversity conservation, plastic pollution, strict ban imposed on use of plastic in the campus, vermicomposting activity, biogas generation from decomposed waste, cleanliness drive through NSS, tree plantation, heighten awareness and sensitivity towards environment.

Human values:

Putting human values at the center, various activities are regularly organized by the institution. The organization of guest lectures on the eve of birth and death anniversaries of the national heroes, Yoga and Meditation sessions, Swachh Bharat Abhiyan, student's involvement in distribution of fruits to the patients, food packets, sanitizers and masks to the underprivileged section of the society, during lockdown period, blood donation camps, special NSS camp during Dashera festival, etc. are the leading activities helping in inculcation of human values and contributing towards social accountability.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 3.16

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
03	03	03	03	03

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 25.56

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 115

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2) Teachers 3) Employers 4) Alumni

Response: A. All of the above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 88.22

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
450	398	380	438	395

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
408	508	508	508	432

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 79.28

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
182	207	196	205	173

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Every year, new academic session commenced with the organization of welcome day for newly entered students and their parents. The students and the parents are made aware about the courses, rules and regulations and the facilities available in the institution. The students are also informed about the continuous internal evaluation process through the teaching-learning methodology, 'Pawan Pattern' devised by the institution.

At the entry level, scores of qualifying examinations are taken as the initial parameter of student's learning ability. Based on curriculum of class XII, the institution conducts MCQ based, 'student's performance test', with a weightage of 60 marks. Further evaluation in subsequent days is based on academic performance through unit tests, seminars, level of alertness, participation in discussion. These are augmented by the student's performance in classroom question-answers and observations made by the mentors. Few of the students, expressing extra interests in studies or approaching the teachers for their queries and problems. All these parameters help to identify slow and advanced learners. Measures are taken accordingly to address the needs of students with different levels of competence and understanding.

Measures taken for slow learners:

- Efforts are made to know the cause of their problems through mentoring
- Parents of the slow learners are informed to look into the matter so that their needs can be catered to.
- Mentors are in regular touch with the students to resolve their personal issues and guide them for overall personality development.
- Remedial classes/tutorial sessions are the platforms for addressing academic problems of the students.
- Slow learners are guided to put in more efforts in systematic studies, writing skills, and pattern of university examinations.
- Attempts are made to identify their interests and skills in other areas and are encouraged to participate in other co-curricular as well as extra-curricular activities.
- Slow learners are provided with extra library facilities
- They are given more attention both inside and outside the class.

Measures taken for advanced learners:

- Provided extra study and other relevant materials
- Encouraged and guided to go for competitive examination after pursuing higher education.
- Toppers and university rank holders are felicitated during social gathering
- Provided opportunities for participation in various inter and intra-college academic activities
- Encouraged to set high goals and guided for various avenues open for them.
- Advanced learners are motivated to write articles in the magazines/newspapers
- Provided with extra library facilities through book bank and other sources

- Financial help rendered for higher education to advanced learners from low-income groups.

File Description	Document
Upload any additional information	View Document
Paste link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 34.62

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

In order to heighten the learning experience of the students, the institution adopted various student-centric methods, such as experimental learning, participative learning and problem-solving methods, both inside and outside the classrooms. Institution provides required infrastructural facility like Internet, central library for reference books, text books, magazines, laboratories for improving and increasing technical knowledge of students.

- Every year, student's societies of different subjects are constituted and given the responsibility of organization of various academic and co-curricular activities organized at departmental level under the banner of student's societies.
- One day field visits, study tours, plant excursion tours, which are the part of curriculum are regularly organized
- Final year students are guided for the survey-based projects, sponsored by the institution
- Students are encouraged to participate in various co-curricular activities organized by the institution.
- Students are involved in decision making system by their appropriate placement in different committees constituted for the smooth and effective functioning.
- Students are guided for hosting the academic as well as various co-curricular activities
- Students are also involved in awareness programs organized by IQAC and NSS unit
- Students are involved in various committees for the organization of different cultural, games and sports events during social gathering.
- Students are encouraged to participate in seminars, workshops, industrial visits, science exhibition, guest lectures, group discussion, quiz competition, etc.
- Students were also involved in conducting survey of the adopted five villages under Unnat Bharat

Abhiyan (UBA).

- Students are given sole responsibility for organization of various college level competitions
- Institution organizes group discussion of the students on the problems associated with different subjects.
- Organization of poster/drawing competitions with the involvement of the students is a regular practice employed by the institution

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Today is the age of science and technology and huge flow of information is emerging in all fields throughout the world with the development in Information and Technology (IT). In modern science and technological societies, education demands more knowledge of teachers pertaining ICT and skills to use modern tools in teaching-learning process. Traditional teacher-centric education system has been transformed into student-centric which demands the effective and qualitative outcome. Information and communication technologies has opened new avenues in the field of education, which can be specifically used for support, enhancement and optimum delivery of information. It is not only used for heightening the learning experience of the students but also has greater impact of effectiveness of the teaching-learning process. It helps in improving student's learning and has become a viable alternative teaching method supporting to conventional blackboard teaching method.

In order to cope with the demands of modern students, the institution also promote the use of ICT to enhance the conventional teaching-learning process and to make learning more interesting and students friendly.

- At present, the institution has around 38 computer and laptops used for administrative and academic activities
- Classrooms and laboratories are equipped with LCD projectors
- Use of modern teaching tolls through two ICT-enabled classrooms
- Printers and scanners are available to each department and also in the library
- Internet connected xerox machines with xeroxing and printing facilities are available
- Four Wi-Fi routers and different access points are installed to provide easy internet access to faculties and the students
- Students are provided with free internet access through Wi-Fi-enabled campus
- Major portion of the faculty is using ICT enabled tools for teaching-learning
- Library has free access of ICT enabled library facilities to all the students
- Faculties regularly consult and shares material from e-books, web pages and videos
- Teachers made a swift transition from classrooms to online teaching during the lockdown imposed due to Covid-19 pandemic. Various platforms such as Zoom, Goggle classrooms, Google Duo,

Cisco Webex are used to create virtual classrooms.

- Students are encouraged to prepare power point presentations, assignments, project and field reports using MS Word, MS Power Point, MS Excel and other ICT tools.
- During academic year 2020-21, all university theory and practical examinations are conducted at college level through online mode using Google Forms and other applications.
- Notes and other study materials are regularly shared with the students through social media WhatsApp groups.
- In capacity of resource persons, the faculties in the institution shared their views and delivered the lectures through online mode using various applications.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process.	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 32:1

2.3.3.1 Number of mentors

Response: 14

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
Mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 50.38

File Description	Document
List of the faculty members authenticated by the Head of HEI	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 87.57

2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
14	12	08	08	06

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 19.62

2.4.3.1 Total experience of full-time teachers

Response: 255

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The institution is affiliated to RTM Nagpur university, Nagpur and is following the norms and regulations laid down by the university in all matters pertaining to curriculum, examinations and evaluation. The institution is following its own devised methodology, popularly known as 'Pawan Pattern' for teaching-learning and evaluation process. The well acknowledged and transparent methodology encompasses continuous internal evaluation through various performance evaluating parameters. Transparency and the robustness in terms of frequency and mode of the institutional mechanism of internal assessment is based on following working parameters:

- All students are made aware well in advance about tentative schedule of internal assessment, through academic calendar attached with the prospectus and also by uploading on the website. Students are informed about the mechanism of internal assessment employed by the institution at the beginning of the academic session during classroom interaction and by displaying on notice boards.
- Regular reporting and discussion of internal assessment in the staff meetings
- Regular monitoring of IQAC on the entire mechanism of internal evaluation.
- Regular feedback sought from the stakeholders and incorporation of constructive suggestions for modification in the mechanism
- Timely evaluation of the home-assignments in each subject and returned to the students with specific endorsement for improvement in writing skills
- Regular organization of the student's seminar on the allotted topics from the curriculum and fair judgment of seminar activities.
- 20% marks in each paper are awarded through internal assessment, whereas, remaining 80% are awarded by the university based on the performance of the students in semester-end examination.
- Regular attendance, in both theory and practical hours, performance in seminars, unit tests, group discussion and timely submission of home-assignments, are the parameters used for allotting marks of internal assessment
- Conduct of unit test after the completion of each unit is mandatory for all faculties
- Tentative schedule of unit tests is incorporated in the teaching plans prepared by the faculties
- Schedule of College terminal examination is before the semester-end examination
- Evaluated answer sheets of the unit tests and the terminal examinations are returned to the students with specific remarks for further improvement.
- Marks obtained in internal evaluation process are communicated to the students
- Academic performance related grievances of the students are timely resolved.
- Regular monitoring and submission of record of internal assessment to Principal, IQAC and Examination Committee is mandatory to all the Head of the departments
- Marks obtained in university practical examinations and the marks on internal assessment is timely uploaded on the university portal.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Response:

The institution has evolved a well-established and robust mechanism to ensure that the process of continuous assessment and redressal of assessment related grievances, is transparent, efficient in the best interest of students. The mechanism works on following aspects:

- The institution has examination committee, comprising of senior faculties, which undertakes necessary measures to ensure objectivity and transparency in the process.
- Entire process of internal/external assessment and examination related grievances is monitored by IQAC.
- Notifications related to internal assessment are prominently displayed on notice boards for timely communications to the students at least one week before
- Abstract of the attendance record is submitted by all the faculties and the students are given ample time to point out any discrepancies.
- Answer sheets of all unit tests, terminal examination and home assignments are discussed with the students after evaluation and students are allowed to raise their grievances regarding the marks awarded to them with the concerned faculties. The fair evaluation of the all the internal examinations resulted in not having any grievances to be redressed by the IQAC or the Principal. Head of the institution is empowered to intervene the grievances in extraordinary cases.
- Answer sheets evaluation is carried out at the college level, in a time bound schedule and in a best possible efficient manner by the course handling faculty members. Properly evaluated answer sheets of all internal examinations are given back to the students for self-assessment.
- Students are given enough time to claim concessions in attendance on medical grounds and also for participation in other activities.
- Marks allotted by the teachers are submitted to head of the departments.
- Marks awarded for internal assessment and the practical examinations are timely uploaded to the university
- Institution provides support to the students, if discrepancies are noticed between marks awarded to students by the teacher and those entered in the mark sheets prepared by the university. The institution assists the students in getting such errors rectified in due time.
- University prescribed guidelines of conducting the theory and practical examinations are strictly followed at the institutional level.
- Institution helps the students, if he/she fails to remain present on the due date of university practical examination, due to one or other reasons. The institution communicates with the other institutions in the nearby area and request them to allow such students to appear for the practical examination on the scheduled date. The same is also communicated to the concerned authority in the university.
- The problems/discrepancy associated with admit cards, errors in paper allotments are timely resolved by the institution by communicating with university authorities
- Institution also helps the students in assessment of the xerox copies of the answer sheets obtained from the university for reassessment
- Results of the reassessment is immediately communicated to the students

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Response:

Program outcomes refers to the broad spectrum of knowledge, skills, abilities and attitudes that students acquire during the tenure of their degree course. The institution offers three under graduate level degree courses in science stream. The affiliated courses are with well-defined outcomes. The specific course and program learning outcomes are available on the affiliating university website.

The institution has also prepared the course and program specific outcomes and are kept open in public domain by uploading on the institutional website. Some of the common outcomes of the courses and programs run by the institution are enumerated below:

- Keeping the student-centric objective at the centre, the institution has created an ecosystem for learning beyond the classrooms and through various co-curricular and extracurricular activities.
- Faculties, during the classroom interactions, tries to inculcate among the students a quest for knowledge that last for a lifetime and also guiding them the art of self-learning
- Faculties tries to impart the attitude to keep learning, remain updated and to get acclimatize with the situation by adopting new developments in technology and in their subject matters.
- During mentoring sessions, students are taught to identify, formulate and analyse real life problems, design and develop solutions to reach to the conclusions using basic principles of their subjects.
- Training in analytical and critical thinking in logical way helps them to understand the societal, environmental and cultural problems.
- Through various extracurricular activities, students are guided to respectfully interact with the mother planet, justified utilization of natural resources, attentive towards sustainable development, in order to create and maintain for future generations to meet their needs.
- Attempting to enhance student's communication skills in order to allow them to exchange their ideas, thoughts, opinions, knowledge and relevant information effectively in the language of their choice.
- Activities related with inculcation of professional ethics and code of conducts as well as society-oriented and departmental activities helps in fostering team spirit and development of leadership qualities.
- Institution also instils among students' allegiance to constitutional and human values to transform them into an empathetic, responsible citizen
- The motivational sessions organized by the institutions empowers the students to be a future teacher, entrepreneur, scientists, soldier and administrator.

Mechanism of communication of program and course outcomes:

- Institution provides the requisite information to the newly entered students from the institutional website and also through prospectus
- Admission committee helps the students in selecting the course of their choices
- The outcome of the courses is clearly outlined during the welcome day and Principal's address in each academic session.
- Course outcome is kept at the centre while planning and designing the extra and co-curricular activities.
- Institution provides a platform to the current students to interact with the senior students and alumni to know and learn about their experiences and career path.
- Students are also made aware of the course and program outcomes through the mentor sessions organized by the IQAC.

File Description	Document
Upload COs for all courses (examples from Glossary)	View Document
Upload any additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The institution offers only three science stream courses at undergraduate level. During the journey of three years, students acquire knowledge, skills and abilities that enables them to build a prospective future and also contributing towards society.

Following are direct and indirect indicators for evaluating attainment of PO/CO/PSO:

Internal assessment and semester-end examinations as direct assessment measures:

- Following the guidelines of the affiliating university of awarding 20% and remaining 75% marks through internal assessment and through university conducted semester-end examinations, respectively, the internal assessment is based on attendance, performance in unit tests, terminal examination, home-assignment, group discussion and classroom seminars. The continuous evaluation of the students by the teachers provides opportunities to the students to improve their performance.
- Students are allotted topics from the curriculum for classroom seminars. It also helps in measuring the program and course outcome
- Performance and the results obtained during regular practical in all science subjects
- The affiliating university has kept 3/5 marks weightage for viva-voce and 5 marks for submission of completed practical records
- University results are meticulously monitored, discussed and analyzed in staff council meetings. Result analysis is also uploaded on the institutional website
- Slow learners are guided for improvement in academic performance through the remedial classes, tutorial sessions and mentoring system. Toppers and university rank holders are felicitated during

social gathering, that helps motivating the other students

Student progression as indirect measures:

- Though the institution is working in remote area, for providing the cost-effective education to the students, the teaching-learning is the main strength of our institution. The effectiveness and outcome can be measured in terms of majority of the students opting for higher education.
- Sizable number of students have also cracked the national level competitive examinations like NET/SET/GATE/Banking, etc.
- The skill-based short-term courses run by the institution also provide an opportunity for students for self-employment.
- The outreach activity of providing training to the farmers and the students on apiculture and sericulture, associated with curriculum, has yielded in placement of few of the students in private limited companies.

Prominent positions occupied by the alumni:

- The institution has consistently produced great number of alumni, some of them have distinguished themselves in various fields, such as owner of NGOs, art, academics, administration, and entrepreneurship. Many of the alumni have obtained their Ph.D. degrees and are placed in academic positions.
- The institution, every year hosts the alumni meet and provide platform for the current students to interact with distinguished alumni for their career path. These prominent alumni can also be taken as an indicator of course/program outcomes and the level of teaching-learning in the institution.

As an institute of higher education, working in the remote area, we measure the success of POs/COs not only on the basis of academic performance and the positions occupied by the students but also in terms of building confidence and discipline as well as responsible citizen, we built in them.

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 81.4

2.6.3.1 Total number of final year students who passed the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
183	118	66	91	55

2.6.3.2 Total number of final year students who appeared for the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
189	119	79	122	104

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.39

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 7.53

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
00	00	00	00	7.529

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for sponsored research projects / endowments	View Document

3.1.2 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 6.67

3.1.2.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	00	00	00	2

3.1.2.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
06	06	06	06	06

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Paste link to funding agency website	View Document

3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the last five years

Response: 18

3.1.3.1 Total number of Seminars/conferences/workshops conducted by the institution year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
01	05	02	03	07

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

3.2 Research Publications and Awards

3.2.1 Number of papers published per teacher in the Journals notified on UGC website during the last five years

Response: 7.04

3.2.1.1 Number of research papers in the Journals notified on UGC website during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
12	19	15	15	15

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.2.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 1.67

3.2.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
05	02	05	02	04

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3 Extension Activities

3.3.1 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.

Response:

The institution created and provides an environment conducive for the holistic development of the students. Keeping the social responsibility of the institution in center, the institution planned and organized various extra-curricular activities. Extension activities not only helps in developing the sense of communal responsibility but also is the effective mode of sensitizing the students towards important social issues and helping them to build up a socially responsible personality. The very active National Service Scheme (NSS) unit, Women Development Cell (WRC) and the IQAC organizes various social outreach and extension activities in order to facilitate the students with the concept and practice of social responsibility. The collaborative efforts of the institution with various government, non-government and local organizations have yielded excellent results in terms of hosting various outreach activities within and outside the campus.

Some of the extension activities benefiting the neighborhood community are enumerated below:

- Health awareness programs
- Health check-up camps
- Cleanliness drive through Swachch Bharat Abhiyan
- Environmental awareness drives/ Wild-life week celebration
- Yoga and meditation camps
- Blood donation camps
- Training workshops for the students and farmers on bee keeping

- Plantation drive/ Van Mahotsaw
- AIDS awareness program
- Voter's awareness program
- Distribution of honey hives to the farmers at subsidized rates
- Workshops on sericulture for farmers
- Workshop on disaster management
- Workshop on financial literacy
- Raksha Bandhan celebration
- Food, masks and sanitizer distribution during corona pandemic

The rallies and campaign organized by the institution on various occasions have also help in sensitizing the students. These outreach and extension activities have not only made the students socially aware of several socio-economic and cultural problems affecting the everyday lives of the people, but also sensitized some of the student who pursued humanitarian works in different fields. The society-oriented work of some of the faculties and the students of the institution has been acknowledged by the society.

- Dr. B.S. Rahile, Professor, Department of Zoology has been felicitated by Zilla Parishad Primary School, Pauna for his excellent contribution in the field of education and extension activities
- In all 13 students of the institution have not only participated in state level NSS camps but also received the medal for outstanding NSS volunteer.
- The students of college have participated in survey on adult education under various government welfare schemes and submitted the project report to the affiliating university.

Every year, various awareness programs are organized by the active NSS unit of the institution in different villages through its residential camps. It includes cleanliness of drainage system, playgrounds, repairing of roads, social awareness events for eradication of superstition, deaddiction campaign, dowry system, female infanticide, suicide of farmers, mother and child care, etc.

File Description	Document
Paste link for additional information	View Document

3.3.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 3

3.3.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
00	00	01	02	00

File Description	Document
Institutional data in prescribed format	View Document
e-copy of the award letters	View Document

3.3.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 53

3.3.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
07	16	14	12	04

File Description	Document
Reports of the event organized	View Document
Institutional data in prescribed format	View Document

3.3.4 Average percentage of students participating in extension activities at 3.3.3. above during last five years

Response: 14.3

3.3.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
103	45	55	69	28

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

3.4 Collaboration

3.4.1 The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-job training, research etc during the last five years

Response: 0

3.4.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-job training, research etc year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of linkage related Document	View Document
Any additional information	View Document

3.4.2 Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last five years

Response: 5

3.4.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	01	00	03	01

File Description	Document
Institutional data in prescribed format(Data template)	View Document
e-Copies of the MoUs with institution./ industry/ corporate houses	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

The single faculty institution, working in remote area, provides adequate infrastructure and facilities to contribute to the academic growth of the students enrolled for three undergraduate science stream and five supplementary skill-based courses. The institution running all its academic and co-curricular activities in building constructed on owned 1.5-acre land area. The institution has planned to augment the infrastructure and other student support facilities for the new courses to be initiated.

Presently, the infrastructure is having two double-storied adjoining blocks:

- There are 06 classrooms situated on ground and first floor
- There are two Wi-Fi enabled classrooms, each one on ground and first floor
- There are 3 laboratories (Botany, Chemistry and Computer science) on the ground floor, and two laboratories (Physics and Zoology) on the first floor
- All the laboratories are attached with cabin for head of the department and the faculties
- Department of Chemistry has separate instrumentation laboratory
- The institution has single storied administrative block accommodating Principal's chamber, administrative staff, meeting hall and the examination section.
- The Wi-Fi enabled seminar hall is placed on the ground floor with 400 plus seating capacity.
- Well-equipped central library is situated upstairs
- There are separate well-furnished meeting room, common room for girls attached with vending machine and incinerator, IQAC chamber, NSS section, Department of Mathematics and Physical Education, etc.
- The central library has equipped with two library-based software, and connected with internet facility for free access to the students. The central library has 6548 books, 4 printed journals, periodicals, e-book service, book bank facility for needy students, magazines and good collection of donated and rare books.
- This year separate canteen facility with space for stationery and internet cafe and photocopy facility is made available to the students and faculties.
- Campus is secured with permanent compound wall and an elevated entrance gate
- The institution campus is Wi-Fi enabled with 4 routers with 100 MBPS and access points for faculties and the students.
- Every department has been provided with desktops and laptops with adequate backup facilities and provided with LCD projectors.
- The construction work for vehicle parking for students and staff is in progress
- Entire campus is under CCTV surveillance.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

All the academic and co-curricular activities of the institution are run on the infrastructure and the free space available on 1.5-acre land area. The small area of the playground is efficiently used by the institution for carrying out various cultural and games and sports activities. The institution offers following facilities for the students for cultural and games activities.

Facilities for sports and games activities:

- Entire campus is protected with permanent compound wall
- Open space available in the campus is used for practicing various games and sports activities
- The institution has no facility for indoor games; however, the institution collaborates with the local bodies for the organization of tournaments and events for indoor games
- The playground has demarcated and well-prepared court for Volleyball, Kho-Kho, Kabaddi, open badminton, and other athletics events like shot put, discus throw, jumping pit for long jump.
- Standard quality and safe sports equipment are providing to the students for practice and participation in various tournaments. The department has carrom boards, chess boards and other sports equipment.
- The physical education department provides medical/first aid, play kits and other playing equipment.
- The institution also provides exercising bench, exercising cycle, rods and dumbbell

Facilities for cultural activities:

The institute promotes creative and artistic pursuits. The cultural committee engages and nurtures the students in various cultural activities and provide sound platform for the students for exhibition and exploration of their hidden assets. Keeping the vision and mission of the institution to support the holistic development of the students that focus not only on the academics, but also on all-round personality development. This is achieved through the organization of active NSS unit and regular organization of cultural events by the cultural committee. In order to nurture the students, competitions like dance, debate, music, singing, fashion, play are regularly organized by institution.

The institution provides following facilities to the students for their holistic development

- Most of the cultural events are organized in the seminar hall with seating capacity of 400 audience
- The institution has open stage for the organization of cultural events. The open stage is used for the organization of different cultural events during student's annual gathering.

- The institution has its own sound system with fixed speakers, two podium, dais in the seminar hall.
- The open stage is also used for organization of Yoga and Meditation camps organized every year on 21st June on the occasion of International Yoga Day.
- Every year the institution organizes residential NSS camp in the nearby villages. The camp is the best platform for the students for showing their talents in various cultural events like singing, music, solo dance, group dance, plays, etc.

The institution also offers the best platform for the students for exhibition of their cultural talents during the annual day program organized on the eve of birth anniversary of Late Dr. Panjabrao alias Bhausaheb Deshmukh, Founder President of Shri Shivaji Education Society, Amravati.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 66.67

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 04

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 103.05

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
14.95	22.15	15.45	167.00	14.60

File Description	Document
Upload audited utilization statements	View Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The central library of the institution is equipped with good infrastructure and well-stocked with good collection of reference, text and other books.

- All the books in the central library are barcoded using OPAC software
- The library has procured latest version cloud based LIBMAN software
- The library has diverse collection of 6425 books including reference books, text books, rare books and books donated by the faculties and well-wishers
- The library subscribes 04 newspapers in Marathi, English and Hindi languages
- The library has also subscribed magazines for competitive examinations
- The library provides access of 4 printed journals in different subjects
- The library is equipped with computers and internet facility for students and the staff
- Data pertaining to library is automated and updated
- Central library is has free access of E-resource through registraion with N-LIST INFLIBNET

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 0.3

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0.00950	0.66	0.29	0.10	0.44

File Description	Document
Institutional data in prescribed format(Data template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 4.54

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 21

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institute runs only three undergraduate level science stream courses including B.Sc. in computer science. The institution has witnessed exponential growth in terms of infrastructure and other affairs. The institution tries to cope up with the demands of the students and the society. It has procured various ICT-enabled tools and also ensures an extensive use of ICT resources by providing adequate access to computers and internet to its students and faculties. The computers and the internet are used for both administrative and academic purpose

- The institution has 31 working desktops and 8 laptops with updated Windows operating system
- The institution has authentic license for updating the computers
- Computers are installed with Anti-virus software updated periodically
- All the computers are with UPS backup and having internet connection
- Library has licensed cloud based LIBMAN software with updated version
- The institution has separate computer science laboratory
- Institutional campus is Wi-Fi enabled providing the free internet access to the students and the faculties with 04 access points
- Each department is provided with laptop with updated version of software
- The institution has signed MoU with the service provider for regular updating the IT facilities
- The institution has 4 LCD projectors used for academic purposes
- Departments are also provided with printers and scanners
- Administrative office work is partially automated for activities related to accounts, students' admissions and administration including time table, admit cards, and other human resource management services
- Entire examination work is carried through the available software in examination section
- The institutional website is regularly updated through the dedicated Website Updating Committee. It is under annual maintenance contract. The website accommodated different portals for uploading the relevant information
- Updating of the IT facilities are outsourced.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 12:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: B. 30 MBPS – 50 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 17.33

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
11.62	16.92	9.53	4.90	9.06

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document
Audited statements of accounts	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The institution has policies and procedures for maintenance and utilization of infrastructural facilities. Staff Council is responsible for decision-making for upgradation and maintenance of all infrastructural facilities. To ensure maximum benefits of the available infrastructure, the college has policy of considering the reports of various committees and the requirement from all sections are discussed in the Staff Council for financial provision. The institution ensures optimal allocation and utilization of the available budget for maintenance and upkeep of different facilities. The institution takes care of the cleanliness, hygiene, sanitation, water supply, electricity, security and stationary requirement.

PROCEDURE:

College Development Committee (CDC) discuss planning and financial provision for regular maintenance and upkeep of all infrastructural facilities. Most of maintenance work is carried out by trained in-house experts as well as outsourced. Furniture and equipment are procured on regular basis as per the requirement. Purchasing is carried out by following proper procedure and after approval of the Purchase Committee.

Physical and academic facilities:

- The caretaker is given responsibility for general maintenance of physical facilities.
- Laboratory stock register are maintained by Laboratory Attendant. All laboratories are available to the students as per the time table. Newly procured instruments are installed by technical experts.
- Stock Verification is carried out towards the end of the academic session.
- Instructions are displayed outside classrooms/laboratories to maintain silence in the corridors. Students and staff are instructed to switch off the electrical appliances after use.
- Furniture requirements obtained from HODs are reviewed and processed through Purchase Committee. For timely purchase of consumable and non-consumable items, requirements are obtained from HODs.
- Safety measures and important instructions for use of laboratory equipment are displayed. Fire extinguishers are placed in the laboratories

Library:

- Library is marked as 'Silence Zone' and with fixed library hours for all members and books are issued on production of membership cards
- Books are bar-coded and are properly catalogued.
- Library Advisory Committee meet at regular intervals to oversee requirement and upgradation.
- Books are purchased as per the allotted budget to every department.

Computers:

- Repairing and maintenance of computers, Internet, is outsourced. Only authentic and certified software are installed. Students are not allowed to attach their personal devices. The institutional website is maintained and periodically updated.

@.Computers are password protected and are used only for academic purposes. Computers are properly shut down after use.

@.ports:

- Playground is utilized for games and sport events and maintained on regular basis. Sports materials, kits and uniforms are regularly purchased. Sports kits and tools for practice are issued to enrolled students only. Basic fitness equipment available are regularly maintained.

Support facilities:

- Campus of the institution is 'Smoke and Plastic free zone'. No-smoking and plastic free signs are displayed at entry gate. Collected garbage after daily cleaning is disposed of with the help of local

government. Infrastructure is made termite and pest free.

To instill adherence to policies for safeguarding institutional property and for maintaining disciplines on campus, details of members of Anti-ragging Committee, Women Redressal Cell, Discipline Committee, Codes of conduct are displayed.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document



Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 85.34

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
409	374	295	391	296

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
00	00	00	00	00

File Description	Document
Institutional data in prescribed format	View Document

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: C. 2 of the above

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 14.05

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	71	63	117	36

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: B. 3 of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 0.16

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
00	00	00	01	00

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Institutional data in prescribed format	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 31.75

5.2.2.1 Number of outgoing student progressing to higher education.

Response: 60

File Description	Document
Upload supporting data for student/alumni	View Document
Institutional data in prescribed format	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State

government examinations)

Response: 60

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	03	02	01	00

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	03	02	01	00

File Description	Document
Upload supporting data for the same	View Document
Institutional data in prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 5

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
00	02	01	00	02

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters and certificates	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Response:

Considering the students as primary stakeholders, the institution focuses on the holistic development of the students. The institution always provides a platform for its students to be a part of decision-making system. In order to heighten their personal experience of how the system works, the students are placed in appropriate bodies or committees. Below enumerated student's representation in administrative responsibilities and participation in extracurricular activities.

Administrative responsibilities:

- The institution has committed student's council, constituted every year in accordance with guidelines of affiliating university and Maharashtra Public University Act. Student Council provides an opportunity to students to develop their leadership skills through participation in college administration and other activities. Student council was not constituted during academic year 2018-19 due to cancellation by Government of Maharashtra
- Members of the student's council provide active assistance and guidance to the candidates and parents during the admission.
- Newly entered students are guided by the senior students through organization of organize freshers party and farewell program, every year
- As a part of participatory teaching-learning and decision-making process, institution every year nominates the active students for representation in different committees. The students are place mostly in committees like College Development Committee (CDC), Academic and Administrative Committee, Cultural Committee, Games and Sports Committee, Public Relation and Publication Committee, Study Tour Committee, NSS Committee, Botanical Garden Committee, Competitive Examination and Career Guidance Committee, College Magazine Committee, Anti-ragging and Women Redressal Committee, etc.
- Academic and extracurricular activities at departmental level are promoted and assisted by the office bearer of students' societies in various departments. The office bearer of students' societies coordinates with the students and play important role in mobilizing students for extracurricular events organized at the institutional level
- Students are effectively involved in entire arrangement of the academic and co-curricular events and are guided by the faculties.

Participation in co-curricular and extracurricular activities:

- Institution always provides an opportunity to the students for taking initiatives in organization of various academic, co-curricular and cultural activities
- The students avail opportunities to hone and showcase their hidden assets in various extracurricular

activities including, poster presentations, drawing, rangoli, flower show, singing, essay writing, debate, elocution, drama, dance, etc.

- The students are engaged in programs like workshop on self-defense, cleanliness drives, health-checkup camps, blood donation camps, plantation drives, Raksha Bandhan, Teachers' Day, awareness programs for environment conservation, AIDS, Raksha Bandhan, weed eradication, Swachh Bharat Abhiyan, etc.
- Students also participate in various activities like group discussion, presentation, anchoring the programs, and also various awareness program during NSS residential camps.
- Group of the students were involved in different teams for conducting survey of five villages adopted by the institution under Unnat Bharat Abhiyan of central government.
- Student were also placed in all the committees constituted for the organization of various cultural, games and sports events during annual day.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 16

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
03	18	17	20	22

File Description	Document
Institutional data in prescribed format	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The alumni association of the institution offers extensive support to the students and the institution in ways that multiply the opportunities and enhance the skill-sets of the students. Successful alumni who are placed

in various fields on different positions rendered their services and support to the students for their career path. The alumni association committee is in continuous touch with different alumni through social media group formed. Every year, the institution calls the meeting of alumni association on the occasion of Birth anniversary program of Dr. Panjabrao Alias Bhausaheb Deshmukh, the Founder President of our parent organization.

Alumni contribution in support services:

- Few of the alumni have occupied different positions in government, private sectors and also working in various NGOs, guide the current students of the institution during alumni meet called by the institution every year.
- Alumni speakers shared their expertise on key aspects related with development such as different avenues open for the undergraduate students in science stream, career growth, management of stress and anxiety and on several other relevant issues.
- Alumni occupying prominent positions have rendered their support to the students for their career path
- Alumni have also contributed their support in organization of various activities for social cause
- Few of the alumni are running NGOs in different part of the country and working for the betterment of the underprivileged people in the society.
- The alumni also putting their hands together by sharing their experiences through the social media WhatsApp group

Financial contribution of prominent alumni:

- The institution is working in remote area and providing the quality education to the wards of masses belonging to middle class and poor sections of the society. The institution has huge contribution in developing the overall personality of the students and making them put in position of earning money through the services in government and private sectors. Being the part and parcel of the institution, the alumni are always ready to support the institution at their level by rendering their financial help or donating the items necessary for strengthening the student support system
- Alumni of the institution has donated books to the library
- One unit of RO based water purifier has been donated to the institution by the alumni
- Earlier metal wire fencing of the campus was carried out through the donation obtained from the alumni
- Few of the alumni rendered their financial support by donating ceiling fans in laboratories and the classrooms

Institution also received other items like wall clocks, banners, rare books from the alumni

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

Governance of institution is aligned with the vision of providing quality education at affordable cost and its mission to emerge as a premier higher education institute through teaching-learning efficiency. Creation of conducive environment for attainment of the vision and mission of the institution, leadership and governance are based on participative management, decentralization, democratic approach and decision-making system. It is reflected through the nomination of representatives from alumni, students, teaching and non-teaching staff, local society and from industries, in different committees. The institution focuses on nurturing an ecosystem to promote democratic values, inclusiveness of diverse peoples and cultures, and freedom of expression and creativity.

Efforts of the institution reflecting the attainment of the vision and mission:

- Providing quality education, at affordable costs, in science stream to different strata of the society in rural area
- Inculcation of human values and to imbibe students with science oriented ethical values, sense of justice, environmental sensitivity, and making the students a socially responsible individual
- To nurture intellectually sound, empathetic and self-reliant young human resource through leadership development.
- Encouraging a dynamic engagement between curricular and extracurricular learning experience
- To create intellectually stimulating environment for students to acquire skill-based knowledge and platform for creativity, innovations to progress towards excellence and to make the students vibrant and conversant through established academic program in alignment with current knowledge.
- To emerge as premier higher education institute within the area with impactful teaching-learning methodology, the strength of our institution.
- Providing scope for employment generation through introduced five skill-based courses

Perspective plans of the institution towards accomplishing vision and mission:

- Strengthening the introduced skill-based courses for employment generation.
- Introducing postgraduate courses in few of the science subjects
- Introduction of more value added and add-on/short term courses
- Providing quality education at junior level by introducing junior wing in science stream
- Further strengthening in teaching-learning methodology with the use of ICT enabled tools
- Identifying and availing opportunities offered by various funding agencies and promoting thriving culture of interdisciplinary and society-oriented research
- Upgrading digital resource facilities
- Taking the institution to the desired level to be the center for quality education through establishment of the training center for farmers and students on bee keeping and sericulture.
- Enhancement in library facility making it as information source for students, faculties and research aspirants

- Promoting research through recognition of research laboratories
- Installation of solar panel and re-inventing practices for energy conservation and a sustainable environment.
- Providing residential facility to the girl students from economically poor section of the society
- Strengthening games and sports facilities and providing opportunities to the students for participation in various games and sports events

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

In order to have an efficient decentralization system, the institution has mechanism for delegating responsibilities and the authority to various functionaries. Representation of faculties and other stakeholders in various committees and bodies is an excellent example of participative management and decentralization in various practices employed by the institution. Staff Council is the main decision-making forum, and backbone of the institution, which is chaired by the Principal and elected/nominated faculty as secretary to the staff council. Participative management and engagement of faculties, through decentralization, is exhibited from following mentioned strategies employed by the institution.

- The institution has been provided liberty to prepare the strategic/action plan as per the need in order to achieve short-term and long-term goals towards attainment of academic excellence.
- The strategies are thoroughly discussed in staff council meetings and constructive suggestion/opinions of the staff members are considered.
- All the departments have been given free hand for the planning and organization of different academic activities.
- Every year, towards the end of previous academic session, the institution reconstitutes various committees for efficient and smooth functioning of all academic and other associated affairs. There are plus minus 35 different committees constituted by the institution.
- All the committees are expected to report to the head of the institution on regular basis and submit the annual report to the IQAC and Principal.
- Teachers convene and participate in committees that fulfill admissions and academic/workload requirement of the institution.
- All financial matters are discussed in staff council meetings and the purchasing of any items is carried out through well-established mechanism by purchase committee. It has representation of member from executive body of parent organization and all HODS of different departments.
- Keeping the social responsibility in mind, the institution has given the responsibility of NSS to the active faculty member who is organizing various outreach and extension activities in consultation with Principal and IQAC.
- The committees like Discipline Committee, Anti-ragging Committee, SC/ST Crime Prevention

Committee, Women Redressal Cell headed by the teachers are helping in maintaining discipline and the harmony in the campus.

- Other student-centric committees like Cultural Committee, Placement Committee, Student Welfare Committee, Career Counseling and Guidance Committee, Study Tour Committee, which promote creative development, cultural enrichment, placement and entrepreneurial skills, also functions under the supervision of teachers.
- IQAC has the representation of teaching staff, non-teaching staff, executive body of the parent organization, alumni, students, administration, representations from the society, industries etc. Alumni, student member and the members of the student's council are provided the opportunity to place their views in IQAC meetings.
- The noteworthy aspect of participative management in institution is student's representation in various committees that help in decision-making process.
- In sum, teachers and students are involved in supporting academic, administrative and extracurricular aspects of the institution.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The institution always prepares the perspective plans based on the priorities and the availability of the funds and tried to accomplish the goals set in the subsequent years. Though the institution has adequate infrastructure for running three undergraduate level courses, however, considering the initiation of new regular and the skill-based courses, the institution was in need to augment its infrastructure and also to strengthen the student support facilities. The activity successfully implemented based on the perspective plan laid down in 2015 is newly constructed two storied block accommodating seminar hall, classrooms and physics laboratory. Similarly, as a part and parcel of the society, the institution is always ahead in society benefiting activities. As per the perspective plans, institution strengthened the extension activities by organizing various training workshops on bee keeping practices.

Effective strategy deployment at infrastructural level:

- As per the perspective plan, the decision of construction of separate block was taken in the staff council and prepared the budget estimates of the construction plan. The same was approved from the parent organization and sanctioned the construction amount.
- Foundation stone was laid down by organizing *Bhoomi Pujan* in 2015-16 and the construction of new two storied block was completed in the academic year 2016-17. The architectural design was prepared considering the availability of the space in the campus and without disturbing the surrounding ecosystem.

- The institution followed all the standard procedure and procured all the documents required for the construction from the local government and submitted to the parent organization for further process.
- Parent organization, after following all the necessary procedure of inviting tenders, has issued the work order in the name of Mr. Ajay N. Chafle, R/O Nagpur and provided entire financial support of Rs. 1.60,00,000/- (Rs. One crore sixty lakh).
- The new block was opened for academic activities by organizing the inauguration ceremony on 17th March, 2017.

Strategy deployment at extension activities:

- The society-oriented initiative of providing training to farmers and the youth of the area on bee keeping practices has been enhanced by the institution.
- Considering the interest and the activities organized by institution, Khadi and Village Industries Commission (KVIC) identified the potential and offered the institution for submission of the proposal under SFURTI scheme of MSME for cluster development in bee keeping. KVIC invited the resource person from the institution to attend the State Level Screening Committee (SLSC) meeting at Mumbai on dated 16.10.2019.
- After discussion on various aspects, infrastructural facilities available as well as the need of bee keeping practices in area for sustainable agriculture and employment generation, KVIC allotted Center for Sericulture and Biological Pest Management Research (CSBR), RTM Nagpur University, Nagpur as technical agency for cluster development at institute level.
- Accordingly, in coordination with CSBR, the institution submitted Detailed Project Report (DPR) with final outlay of Rs. 5.62 Cr. On 14th September, 2020.
- The submitted proposal is now at the final stage of approval from MEME.

Both the strategies help in strengthening of academic and extension activities.

File Description	Document
Upload any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

The organogram of parent organization and the institution reflects democratic characters and sharing of responsibilities at each level. Overall supervision and regulations of finances of the institution rests with the parent organization. The institution working on the democratic principles and in accordance with the rules and regulation by state government and by the statutes and ordinances of affiliating university. Administration and daily functioning lie in the charge of Principal. The Principal, as head of the institution,

is supported by faculty and non-teaching staff, and is directly responsible to the Executive Body. College Development Committee (CDC), constituted as per the provision in Maharashtra Public University Act-2016, is the vital link between institutional functioning and parent organization. Internal Quality Assurance Cell also collaborates with the Principal in ensuring a quality teaching and learning environment in the institution.

- The Executive Council of the parent organization comprising of President, three Vice-Presidents, Treasurer, four Executive Members, and four Co-opted Members, gives direction to the administrations through the appointed Secretary. Representatives from teaching and non-teaching category, are appropriately placed in the Executive Council by the parent organization. Four members are co-opted, one from Principal of higher education institutions, one from Head-Masters of Schooling education, one from women category and one member from Principal category from other institution.
- College Development Committee gives direction to Principal for all administrative, financial and other affairs. The CDC is constituted as per the provision in Maharashtra Public University Act-2016 and is having representatives from all stakeholders. CDC comprises President of the parent organization as chairman, secretary of the parent organization, one HOD nominated by principal, three elected/selected teacher's representative, one elected/selected non-teaching member, four local members nominated by parent organization, one each from the field of education, industry, research and social service of whom one is alumni, IQAC coordinator, president/secretary of Student's Council and Principal as Member Secretary.
- The principle, as the chief administrator, supervises and manages the overall functioning of the institution. Principle is also ex-officio chairperson of Staff Council, IQAC and other committees.
- Staff council administers decisions associated with academics, workload, purchase and maintenance, strategies for admission, discipline and code of conduct, curricular and extracurricular aspects and helps in distribution of works by constituting different committees.
- HODs of respective departments work in collaboration with the principal and faculties in the respective departments in accomplishing the academic and co-curricular requirements of the department. HODs also supervise the laboratory attendant in the department.
- Library is headed by Librarian who supervises the library attendant in maintaining the upkeeps of the library and is assisted by the Library Advisory Committee.
- Secretary of the parent organization is the first appellate officer, whereas, principal is the placed as information officer and senior faculty member as assistant information officer for RTI Act-2005.
- IQAC plays a key role in assessing and assuring quality in the teaching-learning and evaluation process. IQAC plans and monitors different academic and other activities of the institution.
- Administrative staff is also characterized by well-defined organizational structure with positions according to state government rules.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: C. 2 of the above

File Description	Document
Screen shots of user interfaces	View Document
Institutional data in prescribed format(Data template)	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Harmonious environment in the institution is maintained due to proper coordination among all the employee and given equal importance to all the employee of the institution. The institution take care of its all the employee by implementing several policies that support the welfare of both the teaching and non-teaching staff.

- Institution has procured the services of local physician by appointing on annual basis. The appointment order is renewed for every year.
- The institution-appointed doctor also provides consultation to staff and students to address mental stress and other related issues.
- The institution organizes free health checkup camps for all the employee and the students of the institution
- The institution facilitates effective delivery of finance-related matters. Medical and other bills of the employee are immediately processed and forwarded to the disbursing authority without any delay
- Salaries are immediately disbursed after receipt from the Joint Director office.
- Non-teaching staff members are given festive advance as per the government directions
- Medical reimbursement, LTC and other allowances are provided to the employee as per the government guidelines
- Institution provides life insurance in the form of Group Insurance Schemes that covers staff members at low premium
- Institution readily gives admission to the eligible wards of staff seeking admission in various undergraduate courses and also provides a fee concession.
- The institution provides clean, healthy work environment conducive for enhancing productivity at work by maintaining the campus smoke, tobacco and plastic free.
- Institution has provided the facility for tea club to teaching faculties
- Construction of spacious canteen accommodating place for stationery and internet café is in progress and will be soon made available to the staff and students of the institution

- The institution organizes various program, seminars and workshops related to financial and other matters
- Institution offers study leave to the teaching faculty members and earn leave to the non-teaching staff as per the norms set by the state government
- Women staff is supported by availing the maternity leave

These welfare measures thus ensure and promotes vigorous and encouraging work environment. It also helps in stimulating the productivity and commitment of the employee towards the institution. Motivated and timely supported employees will respond by contributing to the best of their capabilities.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

Response: 0

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	00	00	00	00

File Description	Document
Institutional data in prescribed format(Data template)	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 3

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
00	04	05	04	02

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	View Document
Institutional data in prescribed format(Data template)	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 19.49

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
04	00	03	02	01

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
Institutional data in prescribed format(Data template)	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

Being affiliated institution, the performance appraisal system for teaching staff in the institution is governed by the notification issued by the affiliating university as per the UGC-Career Advancement Scheme (CAS) guidelines. The basic focus of performance appraisal system is to benefit from and derive maximum result on competencies and capabilities of the employees. It also aimed to gain advantage in meeting the goals and objectives of the institution in a result-oriented manner. The systematic approach of institution is exhibited in its well-established performance appraisal system.

Appraisal for the teaching staff:

- Appraisal for teaching staff is based on the Performance Based Appraisal Scheme (PBAS) and related Academic Performance Indicators (API) proforma submitted by faculty seeking for promotion. The PBAS proforma details individual teacher's teaching-learning and evaluation related activities; research and academic contributions; administrative support and contribution in extra-and co-curricular activities as had been detailed in UGC-CAS guidelines. IQAC scrutinizes the duly submitted formats and recommends the same for promotion. IQAC has developed the staff charter and accordingly the teachers are required to submit the duly filled API-PBAS formats immediately after the completion of the academic session. The regular evaluation of the performance helps in getting scope for further improvement of the score to the concerned teaching faculty.

Appraisal for the non-teaching staff:

The institution is running only three science stream undergraduate courses and hence is having limited number of non-teaching staff. The available non-teaching staff, including administrative and account staff, the laboratory staff, the library staff and housekeeping staff, forms the backbone of the institution in carrying all the administrative functions in a due time.

- Every year, the performance of non-teaching staff is evaluated towards the end of academic year. The evaluation is carried out based on the skills, efficiency, timely completion of the assigned work, punctuality, relationship with other staff members, involvement in social-oriented and other activities and number of professional training programs attended. The parent organization has devised the format for obtaining confidential report of each employee of the institution. All the employee needs to submit the duly filled confidential report to the principal at the end of the academic year. The submitted formats are scrutinized by the principal and then forwarded to the parent organization with specific remarks by the principal. Non-teaching staff with outstanding performance is felicitated at the annual day or on republic day and is entered in the service book. Functioning of laboratory and library staff is monitored by the HOD of respective departments and the librarian and put the endorsement on the confidential report of the employee.

Every year parent organization is seeking information from all the teaching and non-teaching staff for the best teacher and best employee award. All received formats are scrutinized at the organization level by the expert committee and the best teacher and the best employee is felicitated on the eve of birth anniversary of Dr. Panjabrao Deshmukh. Institution also plans to appraise and felicitate the teaching and non-teaching staff for their outstanding performance at the institutional level.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Based on the priorities and the needs the institution prepares the financial budget of the next academic year. Being grant-in-aid status, the institution receives only salary grants from state government. However, it receives other funds from sources like tuition fees of enrolled students, donations from alumni and philanthropists, parent organization, development funds, registration fees, fines and penalties, UGC schemes, corpus funds, consultancy, grants for NSS, interest on deposits and other miscellaneous sources. The institution conducts financial audits on regular basis from external and internal agencies.

- At the end of each financial year, the institution undertakes internal audit of all accounts.
- Earlier, Finance officer, Joint Director used to conduct the audit of salary account received from state government
- Finance section of the parent organization also conduct the financial audit of all the accounts
- Parent organization has hired the services of reputed chartered account company having team of qualified chartered accountants. Financial audits of all the accounts are done through the hired chartered accountant company.
- Passbooks of all account with different banks are regularly updated and account statements are procured from the respective banks
- The institution, every year, provides all the financial data pertaining to credit and expenditure to the company for getting done the financial audit of the academic year.
- Objections and queries of any kind during the audit are promptly addressed by presenting relevant documents to the auditors.
- Every effort is put in to maintain transparency in the financial records, and also to record the entries in the ledger book with the record of corresponding documents of every financial transaction.
- The finalized signed audited statement is kept before the College Development Committee for final approval. Corrections in the audited statement are promptly rectified and the final audited statement is forwarded to the parent organization,

To ensure proper and optimum utilization of the resources, strict budgetary control on expenditure is exercised.

Year of Audit	Date of Audit	Type of Audit	Auditor
2016-17	10-08-2017	Internal Audit	A. A. Solao & Co. Chartered Accounts
2017-18	24-09-2018	Internal Audit	A. A. Solao & Co. Chartered Accounts
2018-19	16-09-2019	Internal Audit	Rathi & Rathi Chartered Accounts
2019-20	28-07-2020	Internal Audit	Rathi & Rathi Chartered Accounts
2020-21	28-07-2020	Internal Audit	Rathi & Rathi Chartered Accounts

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the

last five years (not covered in Criterion III)

Response: 185.11

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year-wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
1.20	177.89	2.30	2.49	1.23

File Description	Document
Institutional data in prescribed format(Data template)	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Financial management and resource mobilization is regularly monitored by both the institution and parent organization. Financial management is supported by the institution strategic plan to achieve the vision and mission of the institution. Being government funded institution, major sources of finances are salary and non-salary grants disbursed by the state government. The institution also received funds from sources like tuition fees of enrolled students, donation from alumni and anthropologists, parent organization, development funds, registration fees, fines and penalties, UGC schemes, corpus funds, grants for NSS, consultancy, interest on deposits, and other miscellaneous resources. Self-financed skill-based courses are another source for resource mobilization. Institution prepares the financial budget for the next session and get approved from the College Development Committee (CDC).

- Apart from the above-mentioned sources, funds are also mobilized from government and non-government organization for organizing society-oriented activities. The institution also received funds from consultancy.
- Funds are also received from private doners, and members of teaching and non-teaching staff
- NGOs and few of the private organizations provide sponsorship for organizing various activities. These donors are acknowledged in posters, brochures and other promotional notifications,
- Government bodies like Khadi and Village Industries Commission (KVIC) approached for sponsoring project and organization of various training workshops on bee keeping and other related practices.
- College infrastructure was handed over to the government authorities for the establishment of isolation center during pandemic caused by Covid-19 and institution rendered full cooperation with no charges received from government.

Optimal utilization of funds:

The resource mobilization policy seeks to guide the institution's efforts towards building strong finance to provide sound base for the programs undertaken. Broadly the resources are utilized for various purposes like administrative, academic, infrastructure development and maintenance and other miscellaneous activities.

- The prepared budget is kept before the Executive Council of the parent organization through College Development Committee and get approved with modifications.
- Non-salary grants and the other funds are used for administrative and academic as well as for infrastructure development and maintenance.
- For efficient and optimum utilization of resources available, head of various departments and librarian are asked to provide their requirements at the beginning of the session. The settled mechanism helps us to ensure timely and routine maintenance and upgradation of laboratories, library, ICT enabled facilities, classrooms and procurement of equipment.
- Based on the requirement received from various sections, a budget is prepared and placed before the competent authority for final approval.
- All financial bills and documents are processed by the in-charge clerk in the office.
- Transparency in finances is maintained by following the procedure of funds as per the general financial rules.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

IQAC has proactively taken several qualitative initiatives in teaching-learning, performance test, student project, counseling through mentor-mentee system, developing mechanism for feedback and enrichment in extension activity benefiting farmers and the youth of the area.

The practices institutionalized at Science College Pauni with IQAC are:

1. **Enhancement in academic performance of students:** Institution is recognized in the area for its own devised effective teaching-learning methodology known as 'Pawan Pattern'. Ample teaching experience of faculties is properly explored by the institution in making result-oriented teaching-learning process. It encompasses continuous evaluation of students through conduct of unit tests, home-assignments, organization seminar, terminal examination, remedial classes, personal counseling and supporting the advance learner for progression to higher education. The institution

is witnessing yield of efforts taken by faculties, in terms of successive enhancement in results of students in university examination with their ranking.

2. **Student performance test:** In order to identify slow and advance learners, IQAC initiated the organization of performance test as one of the parameters. It is conducted every year, after the completion of admission process. Separate question papers are set for three courses. MCQ based questions are called from subject faculties based on the qualifying examination. IQAC conducts performance test by notifying students in advance. Marks obtained in test is considered as one of the main parameters for demarcation between slow and advance learner, which is supported by continuous assessment of performance of students through unit tests, interaction in classroom, home-assignments and seminars.
3. **Inculcation of research aptitude:** Assignment of project is not the part of undergraduate level curriculum. However, IQAC has taken initiative to assign subject related topics to the group of four to five students from final year, under supervision of faculty members. These are institution sponsored projects and involved students have not to bear any expenses, whereas, they are expected to visit the sites and compilation of project report based on collected data, under the supervision of the assigned faculty. The activity helped not only in developing team spirit but also inculcation of research aptitude among students.
4. **Feedback mechanism:** Feedback system is crucial to institutional progression as it follows self-reflexivity, scope for introspection and reforms. Views of different stakeholders obtained through manually collected feedback acts as catalyst for upgradation of teaching-learning process, developments in infrastructure and support facility, capacity building and enrichment of students. The collected feedbacks are analyzed, and reports are kept open in public domain on the website of the institution.
5. **Social responsibility:** Keeping the vision and mission in the center, the institution serves for the society by providing them platform to farmers and youth of the area, for sustainable agriculture through organization of various activities on bee keeping practices and sericulture. Several farmers and the youth are benefited that consequently resulted in transformation of the activity into mass movement. The efforts of the institution have been acknowledged and resulted linking the institution with KVIC for cluster development project with outlay of Rs. 4.6 Cr. which is at final stage of approval from MSME.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 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)

Response:

The institutional reviews and implementation of teaching-learning reforms facilitated by the IQAC are:

1. Academic review:

The institution follows a comprehensive mechanism of reviewing the teaching-learning process and learning outcomes.

· IQAC of the institution regularly monitor the fulfilment of institutional parameters of planning, execution and record keeping of teaching practices, circulars and co-curricular aspects. IQAC implemented the uniformity in conceptualization of the structure and methodology of academic and extra-curricular activities. Uniformity in various structures and the standard guidelines provided by IQAC to different departments helps in reviewing process by proper and speedy analysis of the data on various academic parameters. All the sections and the departments in the institution abide by the institutional norms, set by IQAC, such as: timely preparation of time table, distribution of workload, preparation of teaching plans by all the faculty members, conduction of unit tests, seminar activities, submission of the questions for student performance test, conduct of the remedial classes, submission of the statement of marks of all internal examination to the examination section, uploading of marks for internal assignments and practical on the university portal, mentor-mentoring sessions, and submission of all the records in due time, submission of abstract of the attendance, result analysis, feedback analysis, etc. IQAC prepared the staff and students charters and displayed at appropriate place. The charter contains the scheduled time of submission of all the academic activities related record to the principal and IQAC itself. IQAC also made it mandatory to all the regular faculties to submit the duly filled API-PBAS format to IQAC for scrutiny.

· Review of learning outcomes is carried out by evaluating students' interaction in classrooms, participation in various academic and co-curricular activities and their performance in internal assessment and terminal examination. Every department submits the record of academic performance of the students and the same is discussed in the Staff Council meeting.

The IQAC of the institution has thoroughly gone through the recommendations of peer team during first and second cycle and taken positive steps towards accomplishment of the objectives set in annual plans in order to fulfill the requirement of the students and all the stakeholders. Teaching-learning methodology is made more effective by the incorporation of ICT enabled tools in teaching practices.

· ICT infrastructure in the institution has been enhanced by procurement of the ICT tools and licensed software. Faculties are asked to use both conventional and the modern methods of teaching.

· Teaching-learning has been supported by various virtual platforms during the covid pandemic period. Various applications and social media platforms are used for virtual teaching and interaction, sharing of study materials, assessment of assignments and practical and theory examinations.

· Participatory and experimental learning experience is enhanced through organization of workshops, webinars, field study, industry visits and excursion tours.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Science College Pauni is belonging to coeducation category. However, every year the number of girl students is highly great as compared to the boys. The institution does not differentiate its students and the staff based on sexual status and having its action equal towards both the sexes. The institution is ahead in the cause of gender equity and sensitizes the students to gender-based challenges and concerns. Several co-curricular and extracurricular programs organized by the institution to address gender disparities and factors producing gender inequalities in our society and attempted to transform the male dominating culture to a gender-equal social culture. Both the students belonging to both the sexes are given equal opportunities in participation in various kind of activities organized by the institution.

Gender sensitization through cocurricular and extracurricular activities:

- IQAC and Women Redressal Cell discuss and formulates the programs to implement gender-equity in principle and practice. The WRC organizes seminars, plays, workshops, lectures, community outreach activities, etc. on gender issues throughout the year. It includes organization of Rakhsa Bandhan program, Cybercrime and cyber security, guest lectures on the eve of birth and death anniversaries of great Indian women personalities, International women's Day. Institution has also organized various poster competitions on issues like save Girl Child, Women empowerment. WRC Also organized legal awareness programs to raise awareness about laws on sexual abuse, sexual harassment at workplace, civil and political rights and provision in laws about domestic violence against women. The institution believes not only in heightening awareness among girl students about their rights but also sensitizing students towards gender issues. Workshop on karate training and self-defense for girl students was also organized by the institution.

Facilities and provisions in the institution for safety and well-being of women:

- There is separate common room for girl students with all necessary facilities.
- Entire premises is protected with permanent compound wall
- Entire campus is under CCTV surveillance by installation of cameras at strategic location
- Entry in the premise is restricted. Students are asked to enter the campus with identity cards. Outside persons are allowed only after the enquiry.
- The safety and well-being of the women staff and the girl students in the institution is assured through establishment of committees like Women Redressal Cell, Anti-ragging Committee, Student Discipline Committee. The committees are set as per the guidelines of MHRD and state government and entire detail of these committees is displayed at appropriate place.
- Movement of the students in the campus is under continuous watch.
- Student's grievances are timely resolved. Efforts taken by the institution in maintaining harmonious environment resulted in receipt of either no complaints from the girls' students or raised few issues which were timely redressed.
- Students are made aware, in the beginning, about rules and regulations and informed to maintain

discipline in the premises.

- Counseling of all the students is done on regular basis through personal counseling and through mentor-mentee system.

Institution also provides medical support to the students experiencing any kind of health issues.

File Description	Document
Annual gender sensitization action plan	View Document
Specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: B. 3 of the above

File Description	Document
Geotagged Photographs	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Management of degradable and non-degradable wastes are managed by the institution by implementing following measures and practices.

Solid waste management:

- Medium sized dustbins are kept at appropriate places in the premises.
- The collected waste is segregated and disposed of with the help of garbage collecting vehicle of Nagar Palika Pauni.
- Composting facility is available in the premises for managing collected biodegradable and horticultural waste
- Use of non-biodegradable plastic in the premises is strictly banned. Students and staff is encouraged to use washable plates and cups or recyclable plastic containers.

Liquid waste management:

- Hazardous chemical waste from different laboratories are collected in separate containers, kept in protected zone and then disposed of in a pit at a distant barren land. Less consumption of chemicals is ensured by performing the routine practical in group, however, at the time of examination, experiments are performed individually.
- Routine practice of checking of water taps, valves, water pipelines and drainage and repairing of pipeline ensures minimum waste water.
- The institution has installed rainwater harvesting system which helps in collecting and percolating rainwater from rooftop of the building.

Biomedical waste management:

- No biomedical waste is generated in the institution, however, the needles and syringes used in zoology laboratory are properly disposed of.

E-waste management:

- Minimum quantum of E-waste generated in the institution is given to vendors, with an undertaking that the collected e-waste will be processed or recycled in an environmentally safe place as per the norms prescribed by government. Toner and cartridges of the printers are used after refilling. Generally, computers and electronic parts are repaired if necessary instead of replacement of the entire machine.

Waste recycling system:

- Biodegradable wastes from the institution is collected separately and dumped in a pit for decomposition and preparation of manure. The institution has vermicomposting facility.

Hazardous chemicals and radioactive waste management: Minimal quantum of hazardous chemical waste, generally originated from chemistry laboratory, is collected separately and dumped in a pit of garbage. Till date, there was no use of any radioactive material in the institution.

File Description	Document
Geotagged photographs of the facilities	View Document
Relevant documents like agreements/MoUs with Government and other approved agencies	View Document

7.1.4 Water conservation facilities available in the Institution:

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

Response: D.1 of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document

7.1.5 Green campus initiatives include:

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

Response: C. 2 of the above

File Description	Document
Geotagged photos / videos of the facilities	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions / awards**
- 5. Beyond the campus environmental promotion activities**

Response: D.1 of the above

File Description	Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1. Built environment with ramps/lifts for easy access to classrooms.**
- 2. Divyangjan friendly washrooms**

3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: D.1 of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document

7.1.8 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).

Response:

The institution being situated in rural area has limitations in certain area. However, the institution offers quality education and support facilities to the students to make them more comfortable with the institution. The institution has employed several practices to make is an inclusive campus for the students belonging to poor or low-income groups. Maximum number of students either belong to farmer or labours families. It is the only grant-in aid institution in the area providing science stream education and thriving for the holistic development of the students.

Few of the Institutional efforts providing an inclusive campus are described below:

Measures for equal opportunities:

- The institution strictly follows the reservation policies laid down by the state government. All the norms and regulations prescribed by the state government and the affiliating university are strictly followed by the institution not only for admission of the students but also during appointments of the teaching and non-teaching staff. Admission committee ensures parity and transparency during admission process. Whereas, appointment of the teaching and non-teaching staff, which is under purview of the parent organization, is also as per the reservation policies of the government, following the guidelines given by UGC.
- The adjoining area is having comparatively larger population of backward classes and minority. Every year, the institution receives very least number of applications from the general category and hence, the vacant positions from general category are filled from the backward class students but only on merit basis following all the rules and regulation laid down by the state government and affiliating university.
- Students from low income groups are granted fee concession and allow them to pay the fees in installments. Staff of the institution provides financial assistance to the needy but advanced learner to pursue higher education.
- Mentor-mentee meetings is the platform used to encourage the students in sharing their academic ad personal issues.
- Considering English as a language barrier for students, most of the teachers adopt bi-lingual mode of teaching and instructions, which helps in enhancing the academic performance of the students.

Institutional efforts for promotion of diversity and inclusivity:

- Every year, institution organizes various activities for promotion of diversity and inclusivity. NSS undertakes various awareness activities during the residential camps organize at the adopted villages. Awareness of the villagers on various issues like AIDS, dowry system, superstitious facts through cultural programs and plays are the main events regularly organized during NSS camps. Students of the institution has also participated in district, university and state level NSS camps.
- Agriculture is the backbone of economy of this area. Keeping the farmers and the youth of the area in center, the institution is continuously promoting the sustainable agriculture through the organization of various training workshops on bee keeping. It helps in not only generation of the employment opportunities for the youth of the area but also enhanced the agricultural income of the farmers.

File Description	Document
Any other relevant information.	View Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

In order to strengthen constitutional values and deepen our responsibility towards nation, institution organizes several activities for sensitization of students and the employee on constitutional values, rights, duties and responsibilities of citizen. IQAC in collaboration with NSS units commit to organize various activities to inculcate constitutional obligations and patriotism among students and staff.

Institutional efforts in inculcating citizens' responsibility:

- Institution fosters community responsibility by donating approximately 50 units of blood through the organization of blood donation camps. Both students, including girls, and the staff donates blood to the district government hospital. IQAC in collaboration with the NSS unit has organized special blood donation camp during corona pandemic period.
- Institution organized special awareness camp during corona pandemic and distributed masks, sanitizer bottles and food packets to the patients and needy people.
- Students and staff have actively participated in road safety campaign organized by the local police station.
- Environmental consciousness is nurtured through the regular organization of cleanliness drives, mass tree plantation, during Swachh Bharat Abhiyan, birth anniversary of Mahatma Gandhi, and World Environment Day. Environmentally safe practices such as plastic ban, water conservation, is routinely practiced.
- Students and staff have actively participated in awareness rallies and campaign during wildlife

week and world AIDS day.

- Organized guest and popular lectures on biodiversity conservation and plastic pollution.
- Organized various awareness activities by the students for eradication of superstition during NSS camps.
- Students and the staff have been given demonstrations for saving human lives during flooding and other natural calamities by organization of one day workshop on disaster management in collaboration with District Disaster Management Authority.
- The institution also promotes linguistic diversity and cultural plurality by organizing dramas, street plays and other cultural events.

Institutional efforts in promotion of democratic values:

- The institution enshrines the sovereign and democratic values by commemorating the Independent Day and Republic Day annually.
- National integrity and respect towards our constitution is promoted through the organization of Constitution Day annually. Students and the staff are asked to follow the reading of preamble of the constitution and take oath to respect the secular and sovereign status of the nation by following the great Indian constitution.
- National integrity among the students and the staff is also promoted through organization of Sadbhavana Rally.
- In order to promote and create awareness of the youth towards their constitutional rights and the institution organizes Voter's Day and Voter's awareness program with the help of government agencies.
- Every year, 'Kargil Day' is observed to pay tribute to the Indian Army for their relentless services to the nation. 'Kargil Shauryagatha' program organized by the institution on 25th September, 2018 is one of great programs paying tribute to the martyred from our locality. It helped in enhancing the sense of nationalism and patriotism through the felicitation of retired soldiers from our locality and motivational speeches by them.

Promotion of Citizens' right:

- Women Redressal Cell organizes awareness programs on legal right.
- Every year, Student Council is formed to ensure a democratic and safe space for students to voice their concerns.

File Description	Document
Any other relevant information	View Document
Details of activities that inculcate values; necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. The Code of Conduct is displayed on the website
2. There is a committee to monitor adherence to the Code of Conduct
3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

Response: C. 2 of the above

File Description	Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

In order to inculcate and promote the constitutional rights, patriotic spirit and civic responsibilities, the institution celebrates national and international commemorative days. It helps in fostering national integrity and unity in diversity among all the students. The institution has taken initiatives in organization of various activities inculcating and promoting ethical values, human values, national values and spirit towards nationalism. The students and staff are appealed to work for justice, equality, fraternity for ensuring the sovereignty, secularism, democratic and republic structure of the country.

- Every year students and staff celebrates Independence Day, Republic Day and Maharashtra Day by hoisting the flag and distributing sweets to the students and staff. Students with outstanding performance in academic and other activities are felicitated on these days.
- Every year, birth anniversary of Savitribai Phule, the first women teacher and the pioneer social worker in initiation of girl education in Maharashtra, is observed on 3rd January. Girl students are appealed to explore their potential for the cause of society, following the path shown by Late Savitribai Phule.
- Scientific temperament is promoted through organization of guest lectures, science quiz on National Science Day, 28th February.
- Women Redressal Cell organizes guest lectures on women empowerment, contribution of women in science, and addresses issues related to gender disparity and gender equity in our society, on the eve of International Women Day, on 8th March.
- One of the NSS volunteers was selected for national parade on 15th August, 2018.
- Every year, Kargil Diwas is celebrated on 26th July.
- Students are encouraged for their contribution in nation building on occasion of National Youth Day observed on 12th January, to commemorate birth anniversary of Swami Vivekanada.
- Institution, every year organizes training workshop for yoga on International Yoga Day, on 21st June, to mark the practice of self-discipline through meditation and various yoga exercise.
- Social and political responsibilities of the youth is promoted through the organization of inspirational sessions on the occasion of birth and death anniversaries of great social reformers like Mahatma Gandhi, Dr. Babasaheb Ambedkar, Pt. Jawaharlal Nehru, Mahatma Jyotiba Phule, Annabhau Sathe, Dr. A.P.J. Kalam, etc.

- Every year students of the institution celebrates the Teachers' Day, on 5th September.
- Civic responsibilities are inculcated through the celebration of International Democracy Day, World Literacy Day, and Constitution day.
- Environmental consciousness is promoted through the organization of various activities on World Environment Day, Earth Day, etc.
- Every year, the institution organizes various games and sports and cultural events on the eve of birth anniversary of Late Dr. Panjabrao Alias Bhausaheb Deshmukh, the first Union Agriculture Minister and Founder President of our parent organization.
- The students are appealed to follow the great visionary and national heroes and to contribute the best possible for the betterment of the society and nation too.
- The institution actively participates in Swachh Bharat Abhiyan, in and off the campus Tree plantation drive.
- Students and the staff actively participate in various society-benefiting activities organized by the local government and other NGOs.

File Description	Document
Geotagged photographs of some of the events	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

- **Teaching-learning methodology: 'Pawan Pattern'**
- **Society-oriented activity: Bee with the farmers**

Best Practice-I

1. Title of the practice: Teaching-learning methodology: 'PAWAN PATTERN':

2. Objective of the Practice:

- Improvement of students' performance through participatory and experimental learning process by providing a conducive environment to the students of rural area to acquire knowledge-based education.
- To provide platform to the students belonging to middle-class families for their holistic development and to guide them for their career path.
- Aimed to encourage the students for participation in various academic and co-curricular activities.

3. The Context:

To promote the academic talent among students of in the institution through continuous monitoring and evaluation by conduction of unit tests, terminal examination, student's seminar, group discussion, home assignments and supporting them through mentoring process, helping them to build up confidence.

4. The Practice:

The institution follows transparent admission process and students are admitted on merit basis, as per the university guidelines. Admission committee not only scrutinize the received applications of the students but also provide detail information of admission schedule, procedure and the availability of seats in different courses. Newly admitted students and their parents are invited for Principal's address after the completion of admission process. Both parents and students informed about teaching-learning process, content and scope of the courses, evaluation process and different facilities available in the institution through the presentations by IQAC and departmental profile by HODs.

Activities conducted during first fortnight of commencement of teaching are the organization of performance test for newly admitted students, revision of subject knowledge and identification of slow and advanced learner. Students are provided with notes and study material in hard or soft copies. CME includes conduction of internal examination and timely evaluation. Student's performance is assessed through unit tests, group discussion, student's seminars, assignments and interaction in the classrooms. IQAC organizes MCQ based performance test on curriculum of qualifying examination. Evaluation of internal examination and assignments is carried out in schedule time and answer sheets all internal examinations are returned to students with specific endorsement. Students are informed well in advance, about the terminal examination, to be conducted by examination committee before final examination. Student's attendance is regularly monitored. It is mandatory for every faculty to conduct the unit tests after the completion of each unit. Slow learners are given special attention. The students are also prepared for viva-voce in university practical examination. Each department organizes the remedial classes as per schedule given by IQAC. Advanced learners are encouraged for acquiring higher education and guided for competitive examinations by Career Counseling Cell. In order to inculcate research aptitude among students, final year students are assigned to submit the survey-based project report under supervision of regular faculties. Learning experience of students is heighten through experimental and participatory teaching-learning process by organization of field and industry visits. Students with outstanding performance are felicitated at the appropriate place.

5. Evidence of Success:

- **Result improvement:** Improvement in the academic performance of the students seen in university results.
- **Confidence boosting:** Personal counseling and organization of remedial classes have yielded in improvement in academic performance of the students
- **Ranking in university examination:** We have been able to create healthy environment in and off the campus that exhibited the excellence performance of the students. Average students admitted at the entry level have ranked in the university examinations and are toppers from the district.
- **Career prospective:** Career guidance provided to the students have resulted in encouraging the students to move for the preparation of competitive examination
- **Progression to higher education:** Encouragement of the students have resulted in progression of the sizable number of students to higher education

6. Problem Encountered and Resources Required:

- **Students from low-income families:** Being working in remote area, we have enrollment of the students from poor and low-income groups and hence we have restriction of offering self-financing courses. Students from economically weaker sections could not afford the paid education and costly study material.
- **Language barrier:** English language has found to be barrier for effective communication with the students.
- **Low connectivity:** Students are facing problem of low internet connectivity being residing in the villages in forest area.
- **Insufficient time:** Both, students and the teachers have no extra time for moving neck right or left due to semester pattern. Packed schedule and continuous burden of examination have insufficient scope for the extra-curricular activities.

7. Notes (Optional):

- It helped in participatory and experimental teaching-learning process. Teaching-learning is one of the major strengths of the institution that has been acknowledged that consequently resulted in preference of the students for getting admitted in the institution.

List of students securing highest marks in final year examination during last five years:

Academic Year	Sr. No.	Name of Students	Year	Group	Distinction	%
2016-17	1.	Ku. Yogita N. Dhawale	S-2017	PCM	PCM	83
	2.	Ku. Kalawati N. Chute	S-2017	PCM	PCM	82
	3.	Ku. Bhumika S. Rawal	S-2017	CBZ	CBZ	72
2017-18	1.	Ku. Shital S. Selokar	S-2018	CBZ	CBZ	76
	2.	Ku. Priyanka R. Jibhakate	S-2018	PCM	PCM	75
	3.	Ku. Pranali P. Dahiwal	S-2018	CBZ	--	69
2018-19	1.	Ku. Kalyani G. Shende	S-2019	PCM	PCM	79
	2.	Ku. Priti H. Salame	S-2019	CBZ	CBZ	68
	3.	Mr. Aman R. Gondane	S-2019	CBZ	CBZ	65
	4.	Ku. Rohinee Y. Khandait	S-2019	PCM	--	61
	5.	Ku. Sneha Anil Bawankar	S-2019	PCM	--	64
	6.	Mr. Kshitij R. Tirpude	S-2019	CBZ	--	63
	7.	Mr. Nikhil H. Zode	S-2019	CBZ	--	63
	8.	Ku. Trupti H. Bhujbal	S-2019	PCM	--	62
	9.	Ku. Veydantie J. Meshram	S-2019	CBZ	--	62
2019-20	1.	Mr. Darshan D. Kathane	S-2020	CBZ	CBZ	75
	2.	Ku. Vaishnavi D. Bhoge	S-2020	CBZ	CBZ	74
	3.	Mr. Ajay L. Mesharm	S-2020	PCM	PCM	73
	4.	Ku. Aishwarya R. Dahiwal	S-2020	CBZ	CBZ	72
	5.	Ku. Mansi S. Thaawakar	S-2020	PCM	PCM	71
	6.	Mr. Vaibhav D. Khobragade	S-2020	PCM	PCM	71
	7.	Ku. Pratiksha M. Patil	S-2020	PCM	PCM	70
	8.	Ku. Monika R. Jibhakate	S-2020	PCM	--	69

	9.	Ku. Yogita M. Shendre	S-2020	PCM	--	68
	12.	Ku. Niru G. Hemane	S-2020	CS	--	66
2020-21	1.	Ku. Punam Namdeo Pise	S-2021	PCM	Che, Phy	78
	2.	Ku. Nikita Bhojraj Wanjari	S-2021	CBZ	CBZ	77
	3.	Mr. Pranay Mahendra Fulzele	S-2021	CBZ	CBZ	75
	4.	Mr. Yash Ramesh Gadborikar	S-2021	CBZ	CBZ	74
	5.	Mr. Saurabh Tomeshwar Panchabhai	S-2021	PCM	PCM	73
	6.	Ku. Tejaswini Dattakumar Gaidhane	S-2021	CS	CS	72
	7.	Ku. Vaishnavi Jivan Jibhakate	S-2021	CBZ	CBZ	72
	8.	Ku. Gayatri Akhil Kore	S-2021	CBZ	CBZ	72

Best Practice-II

1. Title of the practice: Society-oriented activity: Bee with the farmers

2. Objective of the Practice:

- To provide scientific information to students and farmers through training program on bee keeping practices
- To utilize rich local agricultural and forest bio-resources.
- To increase the agricultural production of the farmers by providing pollination services
- Generation of employment opportunities for the youth.
- Promotion of organic farming practices
- To reduce application of synthetic fertilizers and hazardous pesticides.

3. The Context:

- The local region has rich natural resources viz. fertile soil, huge forest area, abundant water resources, varied agricultural crop pattern, however the agricultural production per unit area is very low as compared to national average. Farmers and tribal youth of this region are facing the problems in terms of employment opportunities, low income which leads to migration towards urban area. The adjoining area remain underdeveloped and is recognized as low industry density area. Rapid industrialization, indiscriminate use of pesticides, monoculture, and deforestation led to decrease in pollination agents' viz. insects in general and bees in specific that resulted in lowering the yield in several crops specifically oil seeds, pulses, horticultural and vegetable fruit crops.
- At the onset of the practice, the faculties from department of Botany and Zoology conducted survey in two Talukas, Pauni and Lakhandur and intervened the farmers. After getting acquainted, the faculties conceived an idea for providing the scientific information to farmers regarding bee keeping and its usefulness in agricultural production and employment generation.
- The faculties started meeting and discussion with farmers and collected the information of several farmers and asked them to join with the movement. It was also observed that abundantly available unused pollen and nectar resources which are the food for bees can be converted to value added products like honey, wax, pollen and propolis.
- The area has potential for beekeeping which again could be tool to eradicate unemployability in local region. The knowledge which could be confined in walls of classroom could be utilized for welfare of society. By considering these facts, effort was taken by faculties to bring the awareness in the masses about potentials of beekeeping. Several NGOs and government organization joined the movement that resulted in recognizing our institution as one of the vital centers for helping farmers in uplifting their agricultural productivity through bee keeping. Being farmer oriented, the

practice has been named as “**Bee with the farmers**”.

4. The Practice:

The institution creates a synergy between its community work and outreach platforms for providing resource person and the training on bee keeping practices. Since 2014, the institution is engaged in awareness, training and extension of beekeeping in rural area of Bhandara district and other parts of Vidarbha region with the aid of different agencies.

Institutional efforts: The institution as a center of resources and expertise engaged in following activities.

- **Development of farmer’s cluster:** Faculties of the institution are in contact with the farmers of the locality and build up strong network of farmers to bring them under the moment.
- **Assistance for Beekeeping:** Institution provides technical assistance and resource persons for beekeeping training program organized for the farmers on handling, maintenance of bee colonies and harvesting honey.
- **Organization of seminars:** Institution organizes various seminars on bee keeping and related aspects
- **Organization of awareness and training workshops:** Institution organizes training and awareness workshops for farmers and the youth, on regular basis, in collaboration with different agencies. Khadi and Village Development Commission (KVIC) has identified the potential of our institution and joined their hands in organization of training workshops for farmers.
- **Procurement of financial assistance:** Institution helps the farmers for getting the bee boxes at the subsidized rates and also financial help from various organization.
- **Providing bee colonies to the farmers:** The institution helps the farmers in providing segregated bee colonies

5. Evidence of Success:

Institution is engaged in awareness, training and extension of beekeeping since last six years with the aid of different agencies in rural area of Bhandara district and other parts of Vidarbha. The success of the employed society-oriented practice is measured in terms of following parameters.

- **Awareness of the farmers and students:** The farmer centric practice employed by institution is recognized in short period that resulted in enhancement in number of farmers joining the mass movement.
- **Enhancement in bee keeping practice:** Institution receives continuous demand from the farmers for providing bee colonies
- **Development of network:** Owing to the efforts taken by the institution, other academic institutions and group of the farmers invites our expert faculty, as a resource person, for on- field demonstration and seminars and workshops.
- **Acclaimed reports on enhancement in agriculture income:** Majority of the farmers started beekeeping in their fields. We received overwhelming response from farmers and youth as they noted enhancement in agricultural production of several crops.
- **Opportunity for employment generation:** Farmers and the youth provided with the training have started extracting and selling the naturel honey and other products.
- **Recognition of institution as resource center:** Institutional potential has been identified by KVIC and recommended to submit proposal on Cluster Development under SFURTI program of MSME.

Accordingly, the proposal of initial outlay of sum of Rs. 2.5 crore has been submitted, which is now enhanced to 4.6 crore. The proposal is at the final stage of approval.

- **Avenues for research:** The activity undertaken by the institution has opened avenues for working on society-oriented research. Two of the research students have been awarded Ph.D. degree, under the supervision of the recognized faculty, on the topic related with bee keeping.
- **Transfer of knowledge from lab to land:** Outcome of the research and scientific information is explored for the upliftment of the farmers and the youth.

6. Problem Encountered and Resources Required:

- **Backwardness of the area:** The adjoining area is having most of the population of backward communities having small-scale farmers and hence cannot afford the cost of bee hives
- **Traditional thinking:** Educational and social backwardness and sticking to the traditional farming practices is the main barrier
- **Financial inputs:** The institution has restricted financial resources which create obstacle in setting up the required structure
- **Willingness of the government and non-government agencies:** Awareness of the farmers on bee keeping practices towards sustainable agricultural development is the need of an hour and that can be resolved at large scale by the will power of the government and non-government agencies.

6. Important to Note (Optional):

- Two college teachers have guided students for their Ph.D. research work in the field of beekeeping, in the subject of Botany and Zoology.
- The activity initiated by the institution has transformed into mass movement

Training programs on bee-keeping organized by Institution during last five years

Year	Date	Duration	Name of initiative	Issues addressed	Number of participants and students
2015-16					
2015	13/05/2015	1 Day	One Day Workshop of Beekeeping (Virli Bk.)	Bee keeping	50
2015	22 – 26 Sept., 2015	5 Days	Beekeeping Training Program	Rearing of Bees	24
2015	23 – 27 Nov., 2015	5 Days	Beekeeping Training Program (Raneda)	Training to farmers	46
2016	4 – 10 Feb., 2016	7 Days	Seasonal Bee Management Training Program	Bee keeping training	20
2016	18 – 24 Feb., 2016	7 Days	Honey Quality Control Training Program	Quality parameters	20
2016	25 Feb. – 2 March,	5 Days	Queen Rearing Training Program	Training on queen	20

	2016			rearing	
	2016-17				
2016	03/06/2016	1 Day	One Day Workshop on Mulberry Sericulture	Training beekeeping	on110
2017	26/02/2017	1 Day	Beekeeping Training Program at Ckeck Nimbala Tah. Chandrapur	Training beekeeping	on100
2017	28 Feb. – 4 March, 2017	5 Days	Beekeeping Training Program at Arjuni (Sadak), Gondia	Training beekeeping	on295
2017	5 – 9 March, 2017	5 Days	Beekeeping Training Program at Lakhandur	Training beekeeping	on455
2017	11/03/2017	1 Day	Beekeeping Training Program at Palandur	Training beekeeping	on500
2017	12/03/2017	1 Day	Beekeeping Training Program at Kurkheda	Training beekeeping	on300
	2017-18				
2017	17.12.2017	1 Day	Honey Mission	Advantages beekeeping	of323
2018	19/08/2017	1 Day	Sustainable agriculture through beekeeping	Beekeeping and environmental conservation	328
	2019-20				
2019	23-27 Aug, 2019	5 Days	Beekeeping Training Programme	Training Beekeeping	on25
2019	13/10/2019	1 Day	Distribution of Honey Bee Boxes	Aid to farmers	25
2019	07/12/2019	1 Day	Workshop on Beekeeping at Village Kesori	Training Beekeeping	on60
2020	28/01/2020	1 Day	Workshop on Mulberry Sericulture	Importance Sericulture	of30
2020	20/02/2020	1 Day	Workshop on National Awareness Programme	Training Beekeeping	on30

File Description	Document
Any other relevant information	View Document
Best practices in the Institutional web site	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Putting the vision and mission of the parent organization and subsequently of the institution in the centre, the institution is delivering its services of creating human resources through quality education to the masses at affordable cost. Right from the inception, the institution witnessing successive progress in terms of quality and quantity. Inclusivity on campus and beyond is the priority and thrust area in which the institution has exhibited phenomenal growth in its performance. The institution is situated in remote area with underprivileged population, mostly belonging to the low-income group. It has opened several avenues for the students, particularly girl students, who, once could not afford the education in science stream at the district places. It has been prominently observed during initial years of the inception of the institution that the doors of higher education in science stream for the girl students were almost closed after getting passed the 12th standard examination, due to unsupportive and traditional thinking of their parents. However, the institution provided them not only the opportunity of graduating in science stream but also equally encouraging them to move for higher education in different fields. The institution putting all its efforts in holistic development of the students and providing them the opportunities to explore their hidden talents. Continuous evaluation and monitoring the academic performance of the students through devised teaching-learning methodology, 'Pawan Pattern' and inclusive education entailing ease of access to the teaching-learning ecosystem and providing equal opportunities for both the girl and boys students for their holistic development have been resulted in acknowledgment of the teaching-learning strength and successive increase in the enrolment of comparatively higher number of girl students. Considering the social responsibility, the institution is also working in the area of sustainable agriculture through the organization of various training workshops benefiting the farmers and the youth of the area.

Practices that promote the holistic development of the students:

- Infrastructural practices:
- Educational practices:
- Participative practices:
- Collaborative practices:
- Society-oriented practices

The institution works on multiple dimensions for cultivating mentally strong and socially responsible students through the holistic development approach.

Infrastructural practices:

- Institution is providing the adequate infrastructural facility to the students
- Different support facilities are also made available to the students
- Laboratories have sufficient instrument and apparatus
- Safety of students is ensured through CCTV surveillance
- Institution provides spacious girls' common room
- Physical facilities and infrastructure like ramps and wheelchairs are also provided for differently-abled students

Educational practices:

- Admission procedure is transparent and is as per guidelines prescribed by the state government and affiliating university.
- Fee structure is as per university guidelines and maintained affordable to the students
- Vacant seats for general category are filled from reserved category

- Blended teaching method, both conventional and ICT enabled, are used
- Bi-lingual teaching method is used for better understanding of students
- Academic performance of students is continuously monitored through assessment process
- Learning outcomes are analysed directly and indirectly using various parameters
- Student's issues related with assessment are timely resolved
- Performance test is conducted for entry level students
- Slow learners and advanced learners are differentiated using various assessment parameters
- Special focus on slow learners and due attention is given to make them catch the pace of the class and to enhance academic performance
- Teachers conduct remedial classes for slow-performing students
- Personal and other problems of the students are solved through mentor-mentee system
- Learning experience of the students is heighten through participatory and experimental learning by organization of field tours, industry visits.
- Institution takes extra efforts to address the learning abilities of every student through group discussion and mentoring.
- Various government scholarships are offered to all the eligible students
- Students from diverse backgrounds are given access to educational and personal growth opportunities
- Students with outstanding performance are felicitated with prize and certificates
- Five skill-based courses are offered to the students during last five years.
- Faculty extends the financial help to the poor but needy students for acquiring higher education.

Participative practices:

- Students belonging to both the sexes are given equal opportunities
- Gender issues addressed through various activities organized by IQAC and Women Redressal Cell.
- Students are involved in decision-making system by their placement in appropriate bodies.
- Responsibility of organization of various academic and other events are shared with students
- Student societies are backed by faculties for organization of various academic activities
- Institution attempts inculcation of research aptitude and building team spirit by assigning survey-based project work under the supervision of regular faculties.
- Students are also involved in conducting survey of adopted villages under Unnat Bharat Abhiyan
- Institution encourages the students for participation in various outreach activities

Collaborative practices:

- Institution organizes NSS residential camp, every year, in collaboration of local governing bodies.
- NSS volunteers are trained for community services and carried out cleanliness, construction of drainage and repairing of roads in collaboration with local people.
- Blood donation camps and plantation drives organized in collaboration of government and non-government organization
- The institution has signed MoUs with various government and non-government organization
- Various training programs on bee keeping practices are organized in collaboration with other institution like Khadi and Village Industries Commission (KVIC) Bee the Change, Mumbai, District Collector, Bhandara, ATMA, Bhandara district.

Society-oriented practices:

- Institution provides resource person and sound platform for the organization of training program on bee keeping and sericulture practices for students, youth and farmers
- Institution has developed the cluster of farmers in the nearby area and provided them the honey bee boxes at subsidized rates

Students of the institution are also provided the orientation for competitive examination through the career guidance cell. The conducive environment for leading to the holistic development of the students on account of institutional performance on the aforesaid practices have been acknowledged and consequently resulted in identification of the institution as educational centre providing excellent opportunities to the students to fulfil their dreams of getting graduated in science stream.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Being mono-faculty institution, initiated with merger strength of students, and located in rural place, having handicap in certain areas, has exhibited phenomenal improvement in terms of quantity and quality, in successive manner, to get the name and fame in the district. It aimed to provide the quality education to the students at affordable cost.

Institutional milestones and achievements:

- **Meritorious students:** During preceding years, four students of the college occupied 3rd to 6th positions in the general merit list of the university
- **Gold medalist:** Two students are recipient of Smt. Umatai Patwardhan Gold Medal Award for securing highest marks in Botany, at degree level, throughout the university. Students of the college successively stood first among all science colleges located in both Bhandara and Gondia districts
- **Faculty progression:** Faculties exhibited phenomenal progression in terms of acquiring higher degrees while in service. Out of 16 regular teaching faculties, 15 are with Ph.D. degree obtained either at the time of appointment or in service. Of which 4 teachers are with both M.Phil. and Ph.D. degrees. Four faculties out of total 16 are NET qualified and later acquired Ph. D. However, one is SET qualified, working for Ph.D. whereas, two faculties worked in project leading to post-doctoral degree. Faculties are credited with filling two patents and receipt of one copyright.
- **Active involvement in research:** In spite of not having recognized research laboratories, 6 teachers are recognized supervisors with award of 3 Ph.D. degree, two have submitted the thesis and one has recently registered. Four students have also been guided for M. Phil.
- **Acclaimed publications:** Publication of total 210 research articles in journals of national and international reputes exhibit involvement in active research.
- **Authorship:** Faculties have 22 books in their names, whereas, number of chapters contributed in edited books counted to 17.
- **Consultancy:** Near about 2500 famers received direct and indirect benefit from the institution with a receipt of Rs. 6,53200/- funds from KVIC with inclusion of 1,50,000/- consultancy to the college.
- **Social responsibility:** Institution channelized financial assistance of approximately Rs. 34,16,00,00/- to farmers through government and non-government agencies for procurement of honey bee hives.

Concluding Remarks :

Holistic development of the students: The institution is aimed at providing quality education to the students of belonging to economically low-income section of the society. Optimism of the institution is exhibited in its positive approach with regards to the situatedness. Holistic development of the students through participatory and experimental teaching-learning process and developing their entrepreneurship skills is the prime objective of the institution.

Effective teaching-learning methodology: Right from the inception, the institution focused on improvement of academic performance of average students entered into degree courses. The teaching-learning methodology devised by the institution, known as “Pawn Pattern” accommodating effective teaching, continuous monitoring of performance through timely evaluation proved to be helpful in enhancement of student’s performance.

Infrastructure: Present infrastructural facility seems to be adequate for running the available affiliated courses. However, it needs to be enhanced for the courses to be implemented in the near future.

Progressiveness: Considering the demand of employable opportunities in computer application, during last decade of previous century, additional degree course in computer science in 1998-99 and now added five skill-based certificate courses are added.

Inclusiveness: Academic activities are carried in democratic fashion by taking all the stakeholders in confidence. Transparency is maintained in all aspects by following mechanism for the smooth and effective functioning.

Out of frame approach: In order to develop the research aptitude, though not the part of curriculum, the final year students are given task of survey-based project under the supervision of faculties.

Parental care: In spite of the high student-teacher ratio, students are counselled through mentor-mentee system. Remedial classes are regularly organized after identification of slow learners, for their academic improvement.

Social responsibility: Being the resource center for training to farmers and youth, efforts are taken for providing platform to farmers for bee keeping practices through regular workshops and inviting internationally acclaimed resource persons. Sharing of scientific research outcome would help in upliftment of the economic status of the farmers. The project in pipeline, submitted to MSME, with outlay of Rs. 4.8 crore, aimed at providing training, value addition and employment generation for the youth and farmers through sustainable agriculture.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
2.1.2	<p>Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)</p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>442</td> <td>392</td> <td>374</td> <td>431</td> <td>384</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>182</td> <td>207</td> <td>196</td> <td>205</td> <td>173</td> </tr> </tbody> </table> <p>Remark : DVV has made the changes by looking at seats earmarked against admitted reserved students.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	442	392	374	431	384	2020-21	2019-20	2018-19	2017-18	2016-17	182	207	196	205	173
2020-21	2019-20	2018-19	2017-18	2016-17																	
442	392	374	431	384																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
182	207	196	205	173																	
3.1.3	<p>Number of Seminars/conferences/workshops conducted by the institution during the last five years</p> <p>3.1.3.1. Total number of Seminars/conferences/workshops conducted by the institution year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>05</td> <td>02</td> <td>03</td> <td>07</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>05</td> <td>02</td> <td>03</td> <td>07</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	01	05	02	03	07	2020-21	2019-20	2018-19	2017-18	2016-17	01	05	02	03	07
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01	05	02	03	07																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
01	05	02	03	07																	
3.3.3	<p>Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years</p> <p>3.3.3.1. Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17															
2020-21	2019-20	2018-19	2017-18	2016-17																	

13	24	24	26	25
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Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
07	16	14	12	04

3.3.4 **Average percentage of students participating in extension activities at 3.3.3. above during last five years**

3.3.4.1. **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
203	98	145	159	138

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
103	45	55	69	28

3.4.1 **The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-job training, research etc during the last five years**

3.4.1.1. **Number of linkages for faculty exchange, student exchange, internship, field trip, on-job training, research etc year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
01	02	03	04	04

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

Remark : DVV has given the input zero as PhD research activity is not to be deemed as collaborative activity.

4.2.3 **Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)**

4.2.3.1. **Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
950	66796	29039	10562	44813

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0.00950	0.66	0.29	0.10	0.44

Remark : DVV has converted the value into lakhs.

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

4.4.1.1. Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1162589	1692841	953162	490685	906550

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
11.62	16.92	9.53	4.90	9.06

Remark : DVV has converted the value into lakhs.

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
00	08	03	01	03

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17

00	02	01	00	02
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Remark : DVV has made the changes as per not considering certificate of appreciation. Participation. Etc.

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

6.4.2.1. Total Grants received from non-government bodies, individuals, Philanthropers year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
120000	1778902 0	230000	249000	123000

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1.20	177.89	2.30	2.49	1.23

Remark : DVV has converted the value into lakhs.

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Answer before DVV Verification : A. Any 4 or all of the above

Answer After DVV Verification: D.1 of the above

Remark : DVV has made the changes as per shared report of Rain water harvesting by HEI.

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

Answer before DVV Verification : A. Any 4 or All of the above

Answer After DVV Verification: C. 2 of the above

Remark : DVV has made the changes as per shared report by HEI.

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of courses offered by the Institution across all programs during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>03</td> <td>03</td> <td>03</td> <td>03</td> <td>03</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>95</td> <td>95</td> <td>95</td> <td>95</td> <td>95</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	03	03	03	03	03	2020-21	2019-20	2018-19	2017-18	2016-17	95	95	95	95	95
2020-21	2019-20	2018-19	2017-18	2016-17																	
03	03	03	03	03																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
95	95	95	95	95																	
2.2	<p>Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>225</td> <td>264</td> <td>264</td> <td>264</td> <td>225</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>204</td> <td>264</td> <td>264</td> <td>264</td> <td>225</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	225	264	264	264	225	2020-21	2019-20	2018-19	2017-18	2016-17	204	264	264	264	225
2020-21	2019-20	2018-19	2017-18	2016-17																	
225	264	264	264	225																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
204	264	264	264	225																	
3.1	<p>Number of full time teachers year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>16</td> <td>11</td> <td>11</td> <td>11</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>14</td> <td>9</td> <td>9</td> <td>9</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	15	16	11	11	11	2020-21	2019-20	2018-19	2017-18	2016-17	13	14	9	9	9
2020-21	2019-20	2018-19	2017-18	2016-17																	
15	16	11	11	11																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
13	14	9	9	9																	
4.2	<p>Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>2140689</td> <td>31470303</td> <td>13705101</td> <td>4035449</td> <td>11535923</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	2140689	31470303	13705101	4035449	11535923	2020-21	2019-20	2018-19	2017-18	2016-17					
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2140689	31470303	13705101	4035449	11535923																	
2020-21	2019-20	2018-19	2017-18	2016-17																	

21.40	314.7	137.0	40.3	115.3
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NAAC