



SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

**PUNE DISTRICT EDUCATION ASSOCIATION'S PROF.
RAMKRISHNA MORE ARTS, COMMERCE AND
SCIENCE COLLEGE**

SEC. NO. 28, GANGANAGAR, PRADHIKARAN
411044

www.pdearmacs.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

April 2019

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Prof. Ramkrishna More Arts, Commerce and science College, Akurdi was established in the year 1992, and ever since then has been a leading college in the Pimpri-Chinchwad area successfully run under the aegis of the **Pune District Education Association**, Pune. In the course of its glorious journey of over 27 years, the College has achieved many prestigious awards and recognitions. The College has been catering to the educational and cultural needs of the society since its inception with a motto of “*Bahujan Hitay Bahujan Sukhay*” and realizes the importance of need based regional, national and global level studies.

At present the college is recognized as one of the multi-faculty colleges with adequate infrastructure, facilities and support services in urban and rural area.

The college works on the basis of following core values

Core Values

Academic Excellence : We are committed to academic rigor and integrity that assures students in-depth and extensive knowledge, understanding and skills in their chosen discipline and understanding of the interconnectedness of different disciplines.

Accountability: We assume and demonstrate our accountability for personal and professional growth. We will continuously evaluate and improve our policies and procedures.

Assessment and Improvement: We will continuously improve the assessment of students learning outcomes. And on the basis of assessment we will we will improve teaching learning process.

Work culture: We create an environment that continually builds students' capacity to work collaboratively as part of a team, negotiate, and resolve conflict; display initiative and drive, and use their organization skills to plan and manage their workload, and take pride in their professional and personal integrity.

Honesty and Integrity: The foreword of our society is “Bahujan Hitay, Bahujan Sukhay” which means “welfare of the many, the happiness of the many”. Keeping this in mind the college upholds the highest ethical values, integrity and professionalism and an unwavering commitment to welfare of disadvantaged sections of society.

Social Responsibility: An understanding of social and civic responsibilities and readiness to accept them. An awareness and appreciation of social and cultural diversity and secularism. An awareness and appreciation of human rights, equity and ethics.

Vision

To discharge quality education with a commitment to excellence through student centric efforts, activities and learning services by providing excellent infrastructure with advanced technological facilities at college where

students achieve their educational objectives while meeting institutional standards in order to compete successfully in the 21st century.

Mission

Prof. Ramkrishna More Arts, Commerce and Science College is a socially conscious educational institute run by PDEA with the motto "Bahujan Hitaay, Bhaujan Sukhaay" is set up for providing world class advanced academic and technical education to the students coming from the mass classes of the society and further, to empower them to become successful, sensitive and high-valued citizens of the Indian nation.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Dynamic and efficient management.
- Beautiful campus and located in the industrial area.
- Qualified staff actively involved in teaching-learning, research and extension activities.
- Well-equipped laboratories with computer, internet facility and Virtual Labs.
- Well ventilated and spacious classrooms.
- DST-FIST and DBT STAR college Scheme for academic development.
- Library with large collection of books, periodicals, and separate reading rooms for students and the staff.
- Well-equipped gymnasium for ladies and gents as well as facilities for various sports
- Computers with internet connectivity, Wi-Fi and UGC-NRC Centre
- Modern Teaching aids like LCD projectors, Smart boards, LCD TV, Laptops, Lecture capturing System.
- Licensed software and Computer Interfaced experiments for teaching and learning.
- Faculty members visiting foreign countries for paper presentations.
- Strong extension activities through NSS and excellent performance in Sports and Cultural activities.
- Seventeen Postgraduate courses and nine research centres with well-equipped incubation centres.

Institutional Weakness

- Space constraint for horizontal expansion.
- Accommodation facility for students.
- Restriction on appointment of permanent staff from government.

Institutional Opportunity

- To develop media centre to create ICT material development.
- To introduce more job oriented courses.
- To provide residential facilities for students.
- To establish collaborations with nearby reputed industries and research organizations
- To motivate students for NPTEL courses.

Institutional Challenge

- Globalization and Privatization of Higher Education.
- Professional and P.G. courses are permanently self-financed.
- To achieve excellence in academics by involving masses from socially weaker sections.
- Motivation for faculty for research by getting research grants from various funding agencies.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college offers co-education in Arts, Commerce and Science disciplines at the Undergraduate, Postgraduate along with Research Centres.

The college has designed Curriculum Delivery Policy and Procedure and working according to this.

The college has introduced 04 Certificate (German, Japanese, Spanish, Plant tissue Culture), 05 Diploma (Plant Tissue Culture, Software Development, Food Science and Technology, Interior Designing and Automotive Electronics), 03 Advance Diploma (Plant Tissue Culture, Software Development, Food Science and Technology) and 02 Postgraduate Diploma (Diploma in Taxation Law and School Psychology).

Ten teachers have represented the college on various statutory bodies of SPPU including Academic Council, Faculty, Senate and Board of Studies and bodies of autonomous colleges. The teachers of all the departments have actively participated in the syllabi restructuring workshops.

The college has introduced 329 new courses across the existing programmes during the Post-accreditation period.

The postgraduate programs, BCA (Science) and B.Voc. programmes follow the Choice Based Credit System pattern. All syllabi of B.Voc. in Software Development, Food Science and Technology, Automotive Electronics and Interior Designing are designed by the college staff and approved by SPPU.

The college has introduced 25 subject related/value added certificate/diploma courses approved by IQAC and the management. The syllabi of these courses are designed by the college with a view to add skills and enhance employability of the students.

The college ensures that through the curriculum the various cross cutting issues such as gender-sensitization, environment and sustainability, human values, professional ethics are inculcated among the students. All Second Year undergraduate classes take a course in Environment Awareness. Students are sensitized towards these issues through various extra-curricular activities by National Service Scheme(NSS) and Student Welfare Committee.

The third year students of B.Voc Software Development and Food Science and Technology, M.Sc. Computer Science take internships. In addition to this, undergraduate and postgraduate students undertake field projects and field visits.

The college has a Feedback Committee to collect feedback on curriculum, teaching-learning process, support services, infrastructural facilities, etc. from the stakeholders -students, parents, employers, teachers and alumni. The analysed feedback and action taken reports are displayed on the college website.

Teaching-learning and Evaluation

In last five years more than 5000 students have taken admissions in college every year. Reservation policy is strictly followed by the college in admission.

The College has a well-designed academic monitoring policy to track and evaluate the performance of the students on a regular basis. The institution assesses the learning levels of the students, after admission and organises special Programmes for advanced and slow learners. The practice of innovation and creativity in the college is a systemic activity and implemented in a way that it is sustainable over the years. The college faculty adopts student centric teaching methods such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences through different activities like field visits, internship, industrial training and hands on training. Use of Virtual Laboratories, Laboratory Tools, and Hands on Experiences helped students to master skills and to build their confidence. MBL experiments and simulations are used for teaching-learning. The college has well qualified faculty involved in teaching-learning and research.

The IQAC ensures the strict implementation of the Academic Calendar by monitoring activities and implementing gaps are reviewed periodically.

The college has designed academic policy and teaching-learning is carried out according to the policy.

The college follows the modalities of conducting the CIE. Academic calendar is prepared for CIE. Performance of the student is evaluated through assignments, unit tests, attendance, seminar, quizzes, and activity assessment through rubrics, projects and group discussions/presentations. Each department has stated CO, PO and PSO with assessment strategy for its programs. Appropriate tools for assessment of CO, PO and PSO are used. Attendance records are maintained. There is a mechanism to deal with Grievances related to university examination, college examination; CIE is transparent, time- bound and efficient.

Research, Innovations and Extension

Prof. Ramakrishna More Arts Commerce and Science College, Akurdi, Pune keenly involved in creating and promoting a research culture amongst the faculty and students. The college has received 20 extra-mural research projects including 3 major projects of from apex funding bodies (UGC, DST, DAE, S P Pune University) during last five years. College is supported under prestigious DBT-STAR scheme and DST-FIST schemes. The effective implementation of these schemes resulted in up-gradation of the research facilities and in inculcating academic and research ambience in the campus. The college has well equipped research laboratories.

The college has a total of 9 research centres with 19 faculty members recognised as research guides for Ph.D. A total of 59 students are awarded PhD degrees whereas 126 scholars are currently registered for their PhD degree programs.

The college has taken efforts in creating an ecosystem for innovation by faculty and students, and successfully established an INCUBATION CENTER with sophisticated laboratories for material Science, life science and food Science with high-end equipment / instrumentation facilities. The faculty members have developed low-cost research based equipment.

Organisation of hands-on/ workshops / seminars/ conferences on several cutting-edge issues including IPR and Industry-Academia Innovative practices are a regular feature in the college. An Institutional Academic Integrity Panel (IAIP) and department wise Departmental Academic Integrity Panel (DAIP) according to the guidelines of Svaitribai Phule Pune University have been instituted in the college. These panels have responsibilities of work and research scholar's plagiarism check before submission.

There is noteworthy increase in the number of research publications by faculty in reputed indexed research journals. Our faculty members published the research articles in UGC approved journals, papers in conference proceedings and books with ISBN number.

The college is upholding research ambiance via establishing the MoUs, linkages and collaborations with academic and research institutes.

Major Extension Activities organized in the College through Board of Students Development, NSS, NCC, Lifelong Learning (Adult and continuing Education) and extramural so that to sensitize the students for social issues.

Infrastructure and Learning Resources

The college has adequate infrastructure facilities and resources to conduct the curricular, co-curricular, extra-curricular, and research activities. The college has the campus area of 15988.6 sq.mt (172099.9 sq.ft) with 36 ICT enabled classrooms, 27 well equipped laboratories, well stacked library, administrative office, and well – furnished seminar halls. The physical education and Sports department have multi-gym for boys and girls, a multipurpose ground having area of length 50 mtr and width 35 mtr. Apart from this, the college is committed to innovate, modernize and update the existing sports facilities. In fact, the Department believes only in provision of the distinguished sports facilities.

The cultural committee is enriched by the talented students doing exemplary work as script writers, costume designers, set masters, directors, producers for well-known Marathi movies and TV serials.

The college library has an area of 4991.86 sq.ft. The total expenditure towards books, e-books, journals, e-journals in the past five years has been Rs. 4744288 and it contains 45882 text books, 19780 reference books, 31 e-books, 03 e-journals, 708 CD, 391 Bound volume and 57 National and International Journals. For Visually impaired users, Braille materials are available with Audio-Cassettes and recorder. Separate reading hall is provided in the library for research students and teachers.

Every department is equipped with a Computer having internet connectivity and all computers are connected in LAN. The college is equipped with LCD projectors to facilitate the Modern teaching methods to be adopted. Wi-Fi facility is made available throughout the campus.

ICT resources has been sufficiently strengthened in the institution with Computer to Student ratio being about 1:12. The college has started policy for utilization and maintenance of physical and academic facility hardware technician and electrician is appointed.

RO drinking water facility is made available in the college building to ensure the health of the students. There is also a canteen in the college premises, providing hygienic breakfast, vegetarian lunch, coffee, tea, snacks and refreshments at nominal cost. Uninterrupted electricity supply is ensured in the campus with the help of Gen set and many inverters and UPS systems.

Student Support and Progression

The College aims at developing the all-round personality of students through student centric education by providing healthy environment and supportive resources for student progression and wellbeing. The institution extensively plans various student activities in areas such as admission, infrastructure, curricular, co-curricular, sports, cultural and extension activities. Government scholarships are made available for students. The college helps economically and socially backward students by providing them with fee concessions, scholarships and support through alumni. Economically backward students are helped by 'Earn and Learn Scheme'. The students are provided a support for overall development through competitive examination centre, career guidance, counselling on career planning, personality development, soft skill development, language lab, remedial teaching, and bridge courses. Student welfare cell, NSS, NCC etc. arrange different activities for personality development. Grievance redressal cell, Anti-harassment and Anti-ragging committees are constituted in the college for student grievances. The college has an active student council. Representation is given to students and alumni in committees like CDC, IQAC, Magazine Committee, Student Welfare committee, and NSS committee. Competitive examination cell and counselling cells are established in the college and guidance is provided to the students for different competitive examinations and about 32% students are benefitted in the last five years. Students have participated in sports and cultural activities from local level to international level during the last five years. Number of cultural and sports activities were arranged in the college. During last five years 60 students have received medals or awards at international and national levels. Placement cell is established in the college and it assists students in on and off campus placements. About 19% outgoing students are benefitted. About 23% students have progression to higher education in the 2017-18 batch. The college have registered alumni association and regular meetings are held. The alumni of the college have supported the college through different financial and non-financial means.

Governance, Leadership and Management

The vision and mission of the college is in tune with the national policies of higher education, based on commitment towards excellence, achieving educational objectives and acquiring competency required to succeed in 21st century through activities such as Soft Skills Development Program, Students Welfare Schemes, Sports, NCC, NSS, etc. The institute imparts the best possible quality education for by recruiting qualified staff to achieve their goals.

The college practices decentralization and participative management through College Development Committee, IQAC and various committees for administration and welfare of the students.

The IQAC designed a perspective plan (2015-2020) in April 2015 for the augmentation of academic, administrative and infrastructural facilities. 85% of the proposed plan has been completed and the remaining

will be completed by March 2020. All the AQARs, Academic Calendar, Upcoming events, Future plans are uploaded on the website and the deployment is done through the working of various committees headed by senior faculty.

E-Governance is practiced by the college in administration, finance, accounts, admissions, examination, library with the aid of software packages. There are a number of welfare measures for the benefit of teaching and non-teaching staff. The performance of the teaching and non-teaching staff is assessed through the Appraisal System. Professional development, training programmes, seminars, conferences, workshops are organized by the institution for teaching and non-teaching staff for updating their knowledge. Faculty is encouraged to participate in Orientation, Refresher courses and attending seminars, conferences workshops etc. Faculty is granted leave under Faculty Improvement Program for Doctoral Research.

The IQAC contributes towards quality assurance strategies and processes related to academics and administration. There has been a continuous, incremental growth in the post accreditation period by addition of new courses, Research centres, organization of seminars, workshops, Career development and placement services, upgradation of hardware and software. There is an effective use of ICT in teaching and learning system with a gradual increase in the use of New Technology for enhancement. The college Implements outcome based education and attainment of learning outcomes. Paperless documentation is practiced by IQAC.

Institutional Values and Best Practices

College organizes gender equity promotion programs such as Women Empowerment- Lecture on Laws protecting Women, four wheeler driving workshop for girl students and teachers, Hemoglobin Test for girl students, Nirbhay Kanya Abhiyan, Self Defense Workshop, Personality Development Workshop for Girls, Pre Marriage Counselling, Rubella Vaccination Camp etc. College implemented security and safety measures especially for girls. CCTV camera's and 24 hours' security obviated in the campus. A separate common room facility is available for girls and boys in the college. Women Redressal Cell and Anti-Harassment Committee working for the betterment of girls and Sanitary Napkin destroyer machine also installed in girls washroom. About 90 % of the annual lighting power requirement is through LED lamps. Solid, liquid and e-waste management system is working as per the norms. 40 kwh grid solar photovoltaic is already working as renewable energy sources. Rainwater harvesting project implemented with two bore well to preserve ground water. The College observes every Saturday as No Vehicle Day. Facilities for differently abled students like JAWS software, CD, braille books, grills, toilets, scribes, wheel chair etc. are provided in the college.

Several initiatives have been taken up based on locational advantages and disadvantages. The college conducted a green audit and energy audit as green campus initiative. The campus of the college is plastic free. The college has complete financial, academic and auxiliary functions transparency mechanism. Events for promoting truth, love, non-violence and peace are organized. The college observes the birth and death anniversaries of great personalities. As best practice college implement Gramonnati Programme and invented many research equipment and ICT material. Considering the college research facilities, it is becoming institutional distinctiveness.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	PUNE DISTRICT EDUCATION ASSOCIATION'S PROF. RAMKRISHNA MORE ARTS, COMMERCE AND SCIENCE COLLEGE
Address	Sec. No. 28, Ganganagar, Pradhikaran
City	Akurdi Pune
State	Maharashtra
Pin	411044
Website	www.pdearmacs.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Manohar Ganpat Chaskar	020-27650276	9112278282	-	rmacscollege@yahoo.co.in
Associate Professor	Popat Savaleram Tambade	020-25693930	8605529031	020-27659740	pstam3@rediffmail.com

Status of the Institution	
Institution Status	Self Financing 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	01-01-1992
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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	Savitribai Phule Pune University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	24-12-2001	View Document
12B of UGC	24-12-2001	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	Sec. No. 28, Ganganagar, Pradhikaran	Urban	1.6	7411.9

2.2 ACADEMIC INFORMATION

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	BA,Marathi	36	H.S.C	Marathi	75	75
UG	BA,Hindi	36	H.S.C	Hindi	75	75
UG	BA,English	36	H.S.C	English	75	75
UG	BA,Geography	36	H.S.C	Marathi,English	75	75
UG	BA,Economics	36	H.S.C	Marathi,English	75	75
UG	BA,Politics	36	H.S.C	Marathi	75	75
UG	BBA,Commerce	36	H.S.C	English	80	57
UG	BCom,Commerce	36	H.S.C	Marathi,English	1065	999
UG	BSc,Physics	36	H.S.C	English	48	44
UG	BSc,Chemistry	36	H.S.C	English	48	44
UG	BSc,Botany	36	H.S.C	English	48	43
UG	BSc,Zoology	36	H.S.C	English	48	43
UG	BSc,Computer Science	36	H.S.C	English	176	165
UG	BCA,Computer Science	36	H.S.C	English	80	77
UG	BA,Psychology	36	H.S.C	Marathi,English	75	75

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UG	BSc,Mathematics	36	H.S.C	English	48	43
UG	BBA,Computer Application	36	H.S.C	English	160	72
UG	BVoc,Software Development	36	H.S.C	English	50	49
UG	BVoc,Food Science And Technology	36	H.S.C	English	50	42
UG	BVoc,Automotive Electronics	36	H.S.C	English	50	20
UG	BVoc,Interior Designing	36	H.S.C	English	50	19
PG	MA,Marathi	24	BA Marathi	Marathi	60	13
PG	MA,Hindi	24	BA Hindi	Hindi	60	19
PG	MA,English	24	BA English	English	60	45
PG	MA,Geography	24	BA Geography	Marathi,English	30	12
PG	MA,Economics	24	BA Economics	Marathi,English	60	35
PG	MA,Politics	24	BA Politics	Marathi	60	43
PG	MCom,Commerce	24	B Com	Marathi,English	120	119
PG	MSc,Physics	24	B Sc Physics	English	24	24
PG	MSc,Chemistry	24	B Sc Chemistry	English	48	48
PG	MSc,Botany	24	B Sc Botany	English	24	19
PG	MSc,Zoology	24	B Sc Zoology	English	24	21
PG	MSc,Computer Science	24	B Sc Computer Science	English	60	34

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PG	MA,Psychology	24	BA Psychology	Marathi,English	24	24
PG Diploma recognised by statutory authority including university	PG Diploma, Commerce	12	UG	English	60	59
PG Diploma recognised by statutory authority including university	PG Diploma, Psychology	12	UG	Marathi,English	60	9
Doctoral (Ph.D)	PhD or DPhil,Hindi	36	M A Hindi	Hindi	2	0
Doctoral (Ph.D)	PhD or DPhil,English	36	M. A English	English	6	0
Doctoral (Ph.D)	PhD or DPhil,Geography	36	M. A Geography	Marathi,English	10	10
Doctoral (Ph.D)	PhD or DPhil,Economics	36	M. A Economics	Marathi,English	5	0
Doctoral (Ph.D)	PhD or DPhil,Commerce	36	M. Com	Marathi,English	8	2
Doctoral (Ph.D)	PhD or DPhil,Chemistry	36	M Sc Chemistry	English	2	0
Doctoral (Ph.D)	PhD or DPhil,Botany	36	M Sc Botany	English	8	8
Doctoral (Ph.D)	PhD or DPhil,Zoology	36	M Sc Zoology	English	8	2
Pre Doctoral (M.Phil)	MPhil,Hindi	12	MA Hindi	Hindi	4	0
Pre Doctoral (M.Phil)	MPhil,English	12	MA English	English	30	0
Pre Doctoral (M.Phil)	MPhil,Geography	12	MA Geography	Marathi,English	30	0

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Pre Doctoral (M.Phil)	MPhil,Economics	12	MA Economics	Marathi,English	30	0
Pre Doctoral (M.Phil)	MPhil,Commerce	12	M Com	Marathi,English	8	2
Pre Doctoral (M.Phil)	MPhil,Physics	12	M Sc Physics	English	2	0
Pre Doctoral (M.Phil)	MPhil,Chemistry	12	M Sc Chemistry	English	30	0
Pre Doctoral (M.Phil)	MPhil,Botany	12	M Sc Botany	English	4	0
Pre Doctoral (M.Phil)	MPhil,Zoology	12	M Sc Zoology	English	30	0

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	1				25				29			
Recruited	1	0	0	1	18	7	0	25	18	11	0	29
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				78			
Recruited	0	0	0	0	0	0	0	0	19	59	0	78
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				47
Recruited	35	12	0	47
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				15
Recruited	13	2	0	15
Yet to Recruit				0

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				2
Recruited	2	0	0	2
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.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	13	5	0	9	5	0	33
M.Phil.	0	0	0	1	1	0	3	0	0	5
PG	0	0	0	4	1	0	6	6	0	17

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	4	7	0	11
M.Phil.	0	0	0	0	0	0	2	3	0	5
PG	0	0	0	0	0	0	13	49	0	62

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	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	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
		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
Pre Doctoral (M.Phil)	Male	1	0	0	0	1
	Female	1	0	0	0	1
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	16	0	0	0	16
	Female	5	1	0	0	6
	Others	0	0	0	0	0
PG Diploma recognised by statutory authority including university	Male	37	0	0	0	37
	Female	30	1	0	0	31
	Others	0	0	0	0	0
PG	Male	258	1	0	0	259
	Female	506	7	0	0	513
	Others	0	0	0	0	0
UG	Male	2296	5	0	0	2301
	Female	2266	3	0	1	2270
	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	506	589	621	620
	Female	495	606	684	650
	Others	0	0	0	0
ST	Male	80	86	92	81
	Female	68	72	86	71
	Others	0	0	0	0
OBC	Male	766	724	694	697
	Female	727	719	778	719
	Others	0	0	0	0
General	Male	1401	1321	1379	1308
	Female	1357	1318	1416	1424
	Others	0	0	0	0
Others	Male	3	0	0	0
	Female	0	1	0	0
	Others	0	0	0	0
Total		5403	5436	5750	5570

3. Extended Profile

3.1 Program

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

Response: 814

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
47	46	45	43	39

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5580	5750	5436	5403	5336

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2017-18	2016-17	2015-16	2014-15	2013-14
1656	1657	1643	1576	1439

File Description	Document
Institutional data in prescribed format	View Document

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

2017-18	2016-17	2015-16	2014-15	2013-14
1454	1455	1326	1525	1595

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

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

2017-18	2016-17	2015-16	2014-15	2013-14
124	118	112	109	109

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
131	126	115	115	112

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 78

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

2017-18	2016-17	2015-16	2014-15	2013-14
421.15	320.61	366.11	246.78	285.768

Number of computers

Response: 485

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:

Curriculum delivery is imparted in many ways by which a curriculum enables students to achieve their learning goals. The college has designed graduate attributes for the students and set learning objectives and communicated to faculty and students. In order to attain the said graduate attributes, the college has designed curriculum delivery policy and set procedure for its delivery.

For all the programmes except B. Voc. the curriculum is designed by affiliating University. The role of college is mainly in academic planning, implementation, providing support, assessment, and evaluation. In academic planning, faculty meetings are called by the principal at the beginning and end of the semester for curriculum delivery. Head of the departments conduct faculty meeting at departmental level. Time-table committee sets up time table and prepares academic calendar for the academic year. Every year, the Principal addresses students who are new entrants in their first year of study. In the same meeting the Registrar gives information of different scholarships available to the students and how to take benefit of these scholarships.

Each teacher has pre decided role in curriculum delivery. The college takes initiatives for the transaction of curriculum. Different teaching strategies such as Lecture methods, participative learning, cooperative learning, inquiry based learning, experiential learning and field work are adopted by the faculty. For effective delivery in the classroom, technology is made available for teachers and students. Computer and internet facility, software packages for learning, computer interface experiments, data loggers are made available. E-resources such as Virtual laboratory are made available to the teachers as well as students. Online learning management platforms like Moodle, EdModo, and Google classroom are used for delivery of learning material for students. Supports such as text books, reference books, equipment, charts, LCD projectors, membership of DELNET and INFLIBNET are provided to the teachers. Support is provided to the students for communicative skills/technical skills/laboratory skills/field skills and develop their proficiency in the respective subjects. The college organizes seminars, essay competitions, field visits and study tours etc. Class tests, tutorials, students' seminars are conducted in order to identify the students' difficulties, problem areas and then the faculty tries to solve the students' problems by revising the topics. Remedial teaching is arranged for slow learners while additional activities are provided for advanced learners. The college has a mentor system to monitor the overall performance of the students and solve their difficulties.

Academic calendar is prepared for internal evaluation and strictly followed. Internal assessment is done through internal tests, assignments, tutorials, term end examinations, interviews or observation of students engaged in activities. Regular internal assessment tests, orals are conducted by the teachers. The evaluation is carried out in a variety of formal and informal ways including group discussions, interviews, distribution and collection of assessment instruments, and semester end examinations.

Feedback from Faculty, Students, Alumni, Employers and Academic Peers is important to judge effectiveness of curriculum. The college collects feedback regularly on curriculum, analyses it, prepares a report and wherever necessary action is taken.

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

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 12

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	0	2	2	7

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 12.24

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
03	02	01	02	06

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years	
Response: 33.66	
1.2.1.1 How many new courses are introduced within the last five years	
Response: 274	
File Description	Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented	
Response: 78.72	
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.	
Response: 37	
File Description	Document
Name of the programs in which CBCS is implemented	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years				
Response: 14.24				
1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years				
2017-18	2016-17	2015-16	2014-15	2013-14
1012	662	579	838	822

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

Being located in the periphery of the urban area and catering rural masses, efforts are taken to integrate the various cross cutting issues through the curriculum and supporting activities. The awareness of such issues over years has been reflected through the girl student strength of the college which is about 50 percent of the total strength.

Environment and Sustainability in curriculum

Course in Environment awareness is compulsory for the second year UG students of all the programmes. The course introduces the students to its multidisciplinary nature and also emphasizes on the renewable and non-renewable resources and the problems associated with environment. Lectures are conducted for the students as well as students have to prepare project report. Environmental Audit course is introduced for PG students in which student have been taught about environment audit, water budget and water audit, air and water pollution etc. In UG and PG science programmes the courses like, Plant Biotechnology, Plant Ecology, Biodiversity, Environmental and Pollution Biology, Industrial Chemistry are introduced to give basic knowledge of environment, pollution, and effects pollution. It informs students by providing solutions to safeguarding the environment through Environment Protection Act, Wildlife Protection Act and Forest Conservation Act and aware the student about conservation of nature, Wild life management and ecosystem.

Geography department has initiated the activity of **Nature club** for college students with the aim to create environmental consciousness among the students. **No Vehicle Day** on Saturday is practiced once a week to make awareness about environment awareness.

Human Values and professional Ethics in curriculum

To introduce about human values and human rights, there is a course in second year UG Politics in which students are taught about Right and Justice, Liberty and Equality, Democracy, Sovereignty etc. The college have also introduced choice based credit courses at PG level like Human Rights in which students are taught about Human Values, Liberty, Equality, Ethics and Morals, Unity in Diversity, Human Rights and Women's Rights, Child Rights etc. In the course Introduction to Cyber Security / Information Security at PG level, the students are taught about Cybercrime and Cyber terrorism, Security Laws, and Intellectual property rights. In addition to these the college has also implemented UGC sponsored Human Rights course for students. For students in Commerce faculty the courses like Business Ethics and Professional Values are taught at UG and PG level. The intended learning outcomes of these courses are to identify

concept of business ethics, profession and values, and describe Indian Ethical Practices in marketing, advertising and Employment. Yoga courses are introduced at PG level which are helpful for awareness about health.

In addition to these courses the college also organizes workshops on Human Values and Human rights for students and faculty. Constitution Day, Unity day, Yuva day, Samarasta day are celebrated in the college to make students aware about human values.

Gender Sensitization

For gender sensitization, the college organizes programs like, Pre-Marital Counseling' workshops, self-defense training workshops and Personality Development, Hemoglobin check-up camp, Rubella vaccination camp for girl students.

File Description	Document
Any Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 22

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 22

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 36.67

1.3.3.1 Number of students undertaking field projects or internships

Response: 2046

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.4 Feedback System

<p>1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise</p> <p>A.Any 4 of the above</p> <p>B.Any 3 of the above</p> <p>C. Any 2 of the above</p> <p>D. Any 1 of the above</p> <p>Response: A.Any 4 of the above</p>	
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	View Document
URL for stakeholder feedback report	View Document

<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>A. Feedback collected, analysed and action taken and feedback available on website</p> <p>B. Feedback collected, analysed and action has been taken</p> <p>C. Feedback collected and analysed</p> <p>D. Feedback collected</p> <p>Response: A. Feedback collected, analysed and action taken and feedback available on website</p>	
File Description	Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.43

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
26	33	16	17	27

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 83.44

2.1.2.1 Number of students admitted year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5580	5750	5436	5403	5336

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6869	6687	6512	6479	6422

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 89.1

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

2017-18	2016-17	2015-16	2014-15	2013-14
1474	1530	1511	1372	1225

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, after admission and organises special programs for advanced learners and slow learners

Response:

The college has a well-designed academic monitoring policy to track and evaluate the performance of the students on a regular basis. The ability, motivation, interest and learning capability of the student is tested throughout their programme of study.

During the admission, the student applying for a degree course is counselled by the members of admission committee and a course matching to his/her aptitude and interest is suggested.

The students in first year are classified as slow learners, average and advanced learners on the basis of diagnostic test administered in the orientation period and in the higher classes, on the basis of their performance in the class test. The skill requirement gap of the student is identified and activities to provide clear understanding of basic concepts for first year undergraduate courses.

Slow Learners: Special Guidance Scheme initiative by the University is provided to slow learners by organizing special lectures of the subject they opt at first year.

Remedial lectures are arranged for students of all the classes for slow learners on regular basis.

Special tutorials, guided self-study sessions, Question banks, extra reading material and extra practice assignments are provided to the slow learners. Slow learners are encouraged to give presentations and are counselled to join skill based courses organized by the college. During laboratory sessions, slow learners and advanced learners are included in the same group which helps peer to peer learning. Counselling is

provided to slow learners and their parents regularly.

Program Good to Great

For Advanced Learners: Advanced learners are identified on the basis of consistent performance in their college exams and their interactions with teachers.

- The teacher interaction with advanced learners and help them identify appropriate areas for higher studies as well as employment.
- External mentors from multi disciplines deliver motivational lectures on various topics like innovative projects (AVISHKAR), NPTEL certification, personality development, general knowledge, research methodology and guide students for their projects.
- At PG level, advanced learners are sent to perform their project work with scientific research laboratories. This provides them with opportunity for research and exposure to industry, scientific research, publication and decide their career choices.
- Advanced learners are motivated and guided to take project work to develop experiments and ICT material for teaching-learning.
- Students are encouraged to attend conferences, workshops, seminars, present posters, publish research papers and interact with scientific community.
- Under Talent Club scheme advanced learners are given a set of books on their syllabus and activities are arranged for them.
- Science Exhibitions, presentations, and events are organized for advanced learners to present their work in which they interact with other students.
- Guidance is provided for competitive examinations.
- Visits are arranged for students to well-known research laboratories in which students interact with experts.

These efforts have resulted in students' performance at university level by getting ranks. During last five year students received seven gold medals. Number of students received awards at different levels in AVISHKAR. One student received first award in AVISHKAR at state level while other has participated at National level.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 45

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.45

2.2.3.1 Number of differently abled students on rolls

Response: 25

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this 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:

Teaching is most effective when students actively participate in the learning process. RMACSC consciously encourages student's participation to improve deeper understanding of the subjects.

Experiential Learning:

Experiential learning engages students in critical thinking, problem solving and decision making in contexts that are personally relevant to them. RMACSC consciously encourages student's participation field trips, industrial visits, internships, industrial trainings and summer schools. Field trips are arranged for students at Botanical, Zoological, geographical, historical places. In these field trips students observe places, collect samples or take photographs for further study. These field trips bring students near to environment which helps to bridge gap between classroom education and real world. Industrial visits are arranged for students. Students from different departments visit industries such as sugar, chemical, food, agro and manufacturing industries. These visits are important to help bridge gap between text book knowledge and hands-on-experience. Discussion of students with industrial personnel give them opportunity to know about current situations. Students from some departments are also sent to internships and industrial trainings in different industries like food, information and technology, chemical industry. Summer schools are arranged for students as well as they are sent for summer training at other Institutes. Visits are arranged for students to research laboratories such as NCL, IISER, C-MET, NARI etc. These visits give students insight about current research work and motivate them for research.

Participative Learning:

Teachers of our college act as facilitator and design different flexible strategies. Participative learning is one of strategies found to be useful in this case. Hands-on training workshops such as telescope making, power supply making, LED bulb making, Grafting and Budding, Bonsai making, Basic of Microscopy, Basic Histological techniques, Analysis by HPLC and AAS et. are arranged for students. Hands-on training increases students' engagement level.

Management week, Geography week, Rule D Excellence event, Open Mind event, Mathematical Ability Awareness Programme, Science Exhibitions are arranged every year for students in which they participate in different activities. In these activities different competitions are arranged for students which give platforms to express their talent. Nature club is established in the college to increase students'

participation in environmental conservation and to create awareness about changes in natural cycle. Opportunity is given to students to participate into different community surveys.

Teachers arrange group discussions to engage students in meaningful way and provide feedback. Participation in discussion encourages dialogue among and between students. It can be used to develop important speaking skills among students.

Collaborative Learning:

In collaborative learning, problem solving sessions are arranged for students especially in science and computer science subjects. Problems are given in groups and step by step guidance given them to solve the problems. Technology is used to give students extended and quality educational material and resources to explore and do their best work. Computer Aided materials, computer interfaced experiments, virtual laboratories, google classrooms are some methods used for collaborative learning. Due to use of these tools collaborations among students, teachers, and parents become easier. They can communicate and collaborate more effectively.

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

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 97.58

2.3.2.1 Number of teachers using ICT

Response: 121

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 41.95

2.3.3.1 Number of mentors

Response: 133

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

The practice of innovation and creativity in the college is a systemic activity and implemented in a way that it is sustainable over the years. Students in the college with diverse background bring their unique experiences and skill sets in to the classroom and collaborative group work among them has rich possibilities for creativity and innovation.

Some of the classroom innovative teaching approaches used by the faculty are:

Concept Maps: Concept maps showing the main concept and branching out to show breakdown into specific topics encourages students to brainstorm and generate new ideas/concepts and the propositions that connect them and integrate their learning more effectively.

Mobile Technology: Smartphones and Mobile apps such as WhatsApp are used by teachers in the classroom to enhance verbal skills and visual learning.

Google Classroom and Moodle: Google Classroom, EDmodo and Moodle are used by the teachers to create and distribute assignments, communicate, share ideas and resources with one another and stay organized. Teachers have a real-time view into student progress and can offer feedback along the way. The instructors can even assign grades within Classroom. Teachers and students can participate in online Classroom discussions, and everyone can post links to informative resources within discussions or other sharing mechanisms. Students are provided study material and experiment video 2-3 days prior to the lab session. This unconventional pedagogical approach employing student engagement in group work results in innovative thinking and behaviour.

Virtual Laboratories: Amrita Virtual Lab is used as the tool for Inquiry Based Learning (IBL) in Science. This simulates a virtual science laboratory on computer screen and has feature of technical interaction and direct and plausible manipulation of objects and parameters. Faculty members in Physics and Chemistry have developed virtual experiments on simple harmonic motion, HPLC etc. for teaching and learning purposes.

Computer Aided Instructions: College also introduced computer interface experiments which explain to the students how computer is useful in measuring and controlling physical parameters and processes. Animation and simulation packages are made available to teachers and students. Faculty members have developed different simulation and animation packages for classroom and laboratory teaching-learning.

Interactive Experiments developed by Faculty with the help of students and introduced as additional experiments.

Scientific tinkering: Some science departments use the method of scientific tinkering for creative learning. In this activity the student chooses from a wide selection of recycled materials, easily available

materials and low-tech tools to develop scientific models. *This approach is based on inquiry-based learning in which students understand how things are made by exploring and testing the ideas.*

Hands on Experiences: Hands-on learning helped students to master skills and to build their confidence with the tools taught in the curriculum. Hands-on training sessions are arranged for students in Physics, Chemistry, Botany and Zoology, Food Science.

Platforms for Students to Express their talent: Exhibitions, seminars, project competitions, presentations are arranged for students. Participation in such activities are helpful for students in Creating Interest; developing Social skills, Creativity, Scientific Attitude and Speaking Ability.

File Description	Document
Any additional information	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: 95.56

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 29.44

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
41	36	32	30	30

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 12.78

2.4.3.1 Total experience of full-time teachers

Response: 1585

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 11.36

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	2	4	1	1

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 3.46

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	5	4	3	3

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The college strictly follows the modalities of conducting the continuous Internal Evaluation (CIE) as prescribed by the SPPU. The college has appointed the College Examination Officer(CEO) who heads the college examination committee. In tune with the reforms made by the SPPU, the internal evaluation system of the college is revised from time to time and is communicated to the students.

- The internal evaluations are taken as per calendar prepared by College Examination committee at the beginning of each semester. The calendar is communicated to students and teachers.
- For CIE in UG programmes having semester pattern, minimum two unit tests are conducted in each semester for each course. In addition to these, assignments, seminar, quizzes are used to test students' knowledge. For assigning internal marks all of these are taken into account.
- For CIE in UG programmes having yearly pattern, assignments, seminar, quizzes are used to test students' understanding. Term End examination is taken at the end of first semester. The Term End Examination is taken as per guidelines of SPPU. The college has internal squad to check malpractices. Answer sheets are evaluated in time and marks are communicated to the students.
- For CIE during the two-year postgraduate degree program, CBCS is followed. Internal assessment for all the courses is for 50% of the marks. Performance of the student is evaluated through assignments, unit tests, attendance, seminar, quizzes, activity assessment through rubrics, projects and group discussions/presentations. Marks are also given as rewards for clearing online certification exams.
- The summative assessment tools used for CIE of undergraduate classes are unit test, projects, attendance, assignments and presentation. Questions papers for all tests and assignment are linked with course outcomes (COs). Students are provided with question bank with questions linked with all COs in the beginning of the semester. Results are declared within a week from end of exam. Compiled marks are displayed and communicated to the students.
- For practical courses, internal assessment includes attendance, preparation, conduction of lab, post experiment quiz and practical journal. Evaluation sheet is provided to each teacher.
- Each practical/project session is assessed separately for continuous internal evaluation. For preparation of practical, study material is uploaded beforehand on G-app so the students have prior access to the theory and procedure for preparation of practical.
- For project, internal assessment includes attendance, Activity Assessment through rubrics, presentation, abstract writing, paper writing and participation in conference/Avishkar.
- Each department has worked out the details of how the CIE will be carried out for each course in

terms of frequency and variety of assessment tools taking care that learning outcomes of each paper are achieved through the different assignments. Student's progression towards achieving learning outcomes is monitored by the teacher by using additional tools like open book tests, oral exams, take home test (to test their ability of critical thinking), general questions posed to the class and instruction is modified as needed from time to time.

- The transparency and effectiveness of CIE is monitored by College Examination Committee throughout the year.

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

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

Institute's primary focus, is on strengthening teaching-learning process through rigorous assessment and evaluation. For this purpose, the college has provided guidelines for faculty to ensure transparency and robustness.

For transparency:

- Awareness of students and their parents of assessment process through notices, academic calendar on website and notice board.
- Communicating the dates of assessments in each semester through notices on boards and through email or google classroom.
- Awareness through Orientation program held at the beginning of the academic year acquainting them of the syllabus, internal assessment process along with assessment tools.
- After the evaluation the grades or marks are shown to the students.
- Students who are not able to give internal exams at the scheduled time due to their engagements in sports or other activities or due to personal valid reasons, opportunity is given to them to reappear for internal tests.
- Attendance records of students are strictly checked.
- Question papers are prepared in uniform manner as per guidelines and the process is monitored by heads and college examination committee.
- Minimum two unit tests are conducted in each semester for each course along with assignments, seminars etc.
- The result of all the internal examination is declared within a weeks' time and model answers of the test are discussed with the students.
- Students are given timely opportunities to discuss any concerns or grievances about assessment outcomes.

For robustness:

- For each course, there is alignment between the course learning goals and outcomes, Course Description and assessment strategies.
- Assessment procedures and practices are valid, fair, flexible, feasible, and equitable for all students and incorporate clearly defined assessment criteria.
- Learning activities and assessments are clearly aligned with stated course outcomes.
- The range of assessment tasks is sufficiently extensive and varied to permit valid and reliable result of a students performance.
- Assessment practices are conducted and undertaken ethically and with honesty and integrity by faculty and students

Variety of tools used for internal assessment:

- Both summative and formative tools are used.
- For UG courses (semester pattern), in theory courses minimum two unit tests along with assignments, seminars, quizzes.
- For UG courses (annual pattern), term end examination and assignments, seminars, quizzes.
- For PG courses, tools used are assignments, unit tests, attendance, seminar, quizzes, activity assessment through rubrics, projects and group discussions/presentations.
- For practical courses, tools are attendance, preparation, conduction of lab, post experiment quiz and practical journal.

Attainment strategies of course outcomes (CO), Programme outcomes (PO) and Programme Specific outcomes (PSO) are decided by each department. The assessment is according to this strategy. The IQAC/outcome based education committee monitors the continuous evaluation to ensure uniformity across courses and department. Slow learners are permitted to improve their performance by re-appearing after remedial coaching.

Internal assessment marks for each CO are tabulated taking into account marks obtained for attendance, assignment and internal examination.

Online test and assignments are used by some faculty members to assess student’s performance.

MPhil and PhD, students are required to submit all assignments with an accompanying completed declaration form for course work.

File Description	Document
Link for Additional Information	View Document

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

Response:

The process of conduct of university examination and revaluation of answer sheets is governed by Savitribai Phule Pune University, Pune (SPPU) Ordinances. The Principal, with the assistance of college examination committee (CEC) and CEO, carryout timely and effective implementation of the evaluation reforms and ensure the smooth and transparent conduct of University examinations and internal assessments. CEC meets regularly for objective and effective redressal of the grievances of the students regarding evaluation.

The following mechanism is followed for Grievance Redressal in evaluation:

Grievances related to university examination:

- For grievance regarding marks of paper, the college collects complaint from student in prescribed form and forwards to University. Student gets Xerox copy of answer sheet of the concerned paper. After studying answer sheets, student can apply for verification and revaluation of answer sheet. The college forwards his/her application to university. The result of revaluation is given by the university within 30 days of the application.
- For errors regarding students' attendance in the examination, the college promptly sends the duly certified attendance sheet to assist in locating marks to the University for correcting discrepancies.
- The grievances related to problem in submission of online examination forms and queries related to mistakes in hall tickets and mark sheets regarding name, course name, programme name are resolved promptly by the college examination officer by communicating with university.
- Grievances related the question paper is reported to the university by the CEO and the decision of the university is conveyed to the student immediately.

Grievances related to college examination:

Assessment of answer books for all first year UG University examinations is done centrally through CEC at the college level. The entire grievances are sorted out immediately by the CEC as per the rules and regulation of SPPU. The grievances related to this are resolved as:

1. Student have to approach CEO.
2. Student have to submit application to CEO.
3. CEO will consult with respective head of the department and teacher.
4. After taking opinion from HOD and teacher the student will be informed.
5. The process is completely transparent and completed in a weeks time.

Grievances related to CIE

The Head of Department deals with mistakes/errors related to attendance, internal assessment of the students promptly. All internal examinations are conducted adhering to the norms and regulations of SPPU.

The students are given opportunity to redress their grievances concerning CIE marks if any through their department head and grievance form available on the college website. The Head of Department can intervene and seek opinion of another course teacher. The grievances are resolved by showing his/her performance in the answer sheet or the answer sheet is reassessed by the faculty once again in his presence. Any corrections in the total of marks or assessment of answer books as identified by students are immediately done by the faculty members.

Very few grievances related to evaluation are reported in past few years which shows the transparency and credibility of system in which college adheres to.

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

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The institute believes in transparent functioning on day to day level. The planning of the institute is represented in the academic calendar which is scheduled for the whole year and based on the available working/teaching days as per affiliating Savitribai Phule Pune University (SPPU) norms.

- The institute has a well-defined standard operating procedure to develop the academic teaching plans.
- The academic calendar of the institute is prepared by the time-table committee and is in line with SPPU calendar.
- It shows, dates/plans for curricular and co-curricular activities, holidays, commencement and end of date of the semester, tentative dates of university examination and internal evaluation schedule and dates for declaration of results.
- The Academic Calendar is available on the college website and is a source of information and planner for students, parents, faculty, staff, and other stakeholders of the institute.
- It encompasses all the activities of the institute such as, Administrative, Academic, co-curricular and extracurricular activities.
- The academic calendar is then provided to all faculties of the department before the commencement of the semester.
- Preparation of academic calendar immensely contributes to timely completion of all the academic activities.
- The faculties then prepare detailed individual academic dairy and academic planner which shows content delivery plan for each course he/she teaches and corresponding execution dates.
- The academic planner of the teacher generally highlights the, unit test, Practical, Group discussions, Seminar, Presentations, and Projects etc. as per their teaching plans. These are conveyed to students through google groups and google classroom.
- Each teacher has his /her own Internal Evaluation pattern as per their teaching plans, and takes liberty to schedule their own internal subject's concurrent evaluation.
- The IQAC ensures the strict implementation of the Academic Calendar by monitoring activities and implementing gaps are reviewed periodically.
- The college examination cell also follows the dates of academic calendar for conduction of term end and internal assessment as well as dates by which the marks need to be submitted online.
- Separate calendar is prepared for internal examinations for programmes having semester pattern which contains date of internal tests, dates of submission of question papers by faculty, and dates of submission of marks. These dates are adhered to during each semester. This helps in timely

declaration of internal assessment result.

- From the academic calendar of events and calendar for internal evaluation, each department prepares its schedule of departmental curricular activities like assessment dates, technical events, field visits, guest lectures, workshops and other extra-curricular activities, seminars, quizzes, project submission, practical journal certification.
- Academic calendar is strictly followed in the case of M.Phil. and Ph.D. courses for conduction of course work, assignments, written exam, and presentation, synopsis submission the college.
- Due to various emergencies like allotting college to HSC, examinations, elections etc. there may extensions of dates of college examinations or university examinations. The same are communicated immediately to the students.

Thus, overall an effort is always made to adhere to the academic calendar where ever possible, keeping student's interest as paramount.

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

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

The college has stated graduate attributes and learning objectives. To attain these attributes Programme outcomes (POs), Programme specific outcomes (PSOs) for all academic programmes are stated by the Institute as per guidelines of NAAC. The POs are aligned to the learning objectives. For each programme, 12 POs are stated. Following attributes are included in the POs.

- Knowledge outcomes
- Skill outcomes
- Generic Competencies
- Attitude/Values outcomes

POs are classified according to above criteria. PSOs statements focus on the specific knowledge of core subject.

POs and PSOs are designed to ensure complete and comprehensive learning about the program and courses as these are critical for the future successful career of the student.

The Course Outcomes (CO) are designed through curriculum mapping by identifying which courses, portions of courses, or series of courses fulfil each PO and are in correlation with other courses and POs.

The COs were designed with the following criteria

- The course outcomes identify the minimum achievement required for success in the course.
- They are based on the principles of Blooms taxonomy.
- They are expressed clearly and understood easily.
- They can be understood within the context of the discipline (e.g. what is critical thinking within the Programme?)
- They indicate the kind of performance expected (either within the outcome or aligned to the criteria for assessment)
- They are authentic to the level of learning.
- They are demonstrated through assessment
- They are supported through teaching and learning activity.

While designing COs, knowledge domains i.e. cognitive domain, affective domain and psychomotor skills were considered.

While designing PO, PSO and CO, workshops and guest lectures were arranged for teachers by IQAC. Group discussions were arranged among teachers. Documents on Blooms Taxonomy were provided to the teachers.

For each programme, PO/PSO and CO are designed through the following process steps:

- Head of department (HOD) consulted faculty and prepared the draft version of the PSO and POs with the help of teachers, which are in line with Graduate Attributes and Vision, Mission of the Institute and department.
- Views of alumni, employers are taken by head and teachers.
- HOD and department faculty analysed and expressed their opinion on the revised PSOs and POs.
- The process was continuously monitored by Outcome Based Education Committee and finally were approved by IQAC.

Mechanism of communication:

POs, PSOs, COs are displayed for all stakeholders at following locations:

- Institutes' website
- Google classroom
- HOD cabins
- Notice Boards
- Department laboratories

During induction program Principal introduces vision, mission, POs and PSOs to the new entrants and their parent. Also, the students are informed that they should familiarize themselves with the Course Objectives and Outcomes for their program as the teaching and exam methodology will be in consonance with the desired outcomes.

Further,

- Every course teacher discusses expected CO with students in first session plan at the beginning of each semester.
- POs, PSOs and COs are mandatory part of course file prepared by course teacher.
- Handbook of CO-PO assessment tools and attainment guidelines are made available online for use of all faculty and staff.

File Description	Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The Outcome-Based Education committee (OBEC) formulates guidelines concerning direct and indirect assessment tools to evaluate attainment of POs and COs by collaborating with, course instructors. Assessment of attainment of COs is done at the end of a course. CO assessment for every course is done at individual student as well as class level to identify attainment by students. Each CO has been assigned attainment levels from 1 to 5. Level 5 is the most challenging level. The COs are mapped to POs and units, through the CO-PO and CO-Unit matrix respectively along with the correlation factor. PO attainment is achieved through courses and is computed from CO attainment. Since affiliating university focuses on summative assessment, we use direct and indirect tools for attainment of PO/PSO.

Direct assessment tools are: Unit Tests, Tutorials, Quiz, Assignments, seminars and university exams in theory courses. For Laboratory courses, the tools used are attendance, involvement, understanding, oral, journal writing and timely submission, team work. Indirect assessment tools are through a google forms for Course End Survey for each course and Program End Survey for each programme.

Every unit-test question, quiz and laboratory performance and project is mapped to the respective COs. Assignments and unit-test questions are designed using Bloom's Taxonomy. Data for assessment is collected for each CO in a particular format.

CO-PO Attainment Method:

The digital course file is maintained for each course which includes following data:

- Syllabus and COs of the course
- Mapping of COs to POs and PSOs with correlation factor
- Marks entry of direct assessment tools, with CO mapping.
- Course-end survey.
- Laboratory/ Seminar & Projects Assessment sheets

The MS-Excel sheets designed to generate report on the attainment of COs and POs.

1. Attainment of COs:

- COs Assessment sheet designed contains marks obtained by students in each CO by using different assessment tools.
- For Internal continuous assessment, CO attainment is calculated from marks obtained in each CO in assessment and attainment level.
- For university exams, COs attained by each student are computed as: (Marks of student*correlation factor of CO with unit) / Unit-average.

2. Attainment of PO and PSO:

- COs and POs mapping sheets are prepared for each course using correlation 1: Slightly, 2: Moderately or 3: Substantially.
- Target and level of attainment for CO-POs are decided by OBEC before commencement of the semester on the basis of last year result.
- Average of CO (m) is computed for every PO from CO-PO matrix with which it is mapped.
- Unit-average is calculated for each CO from CO-unit matrix same as above.
- POs and PSOs attained by each student are computed as: (Marks of student*correlation factor of PO with CO) / m.
- The target level of attainment for all POs and PSOs is pre-decided for each programme. When the attainment is equal to greater than this, POs and PSOs are attained otherwise not.

80% weightage is given to direct assessment and 20% weightage to indirect assessment. Total final attainment is

Final attainment = 0.8* Direct) + 0.2* Indirect.

https://s3.us-east-2.amazonaws.com/rmmoreone/IQAC/IqacOther/34/CO_PO_PSO_AssessmentPolicy.pdf

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

2.6.3 Average pass percentage of Students

Response: 68.65

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 983

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 1432

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.54

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 71.31

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
19.04	24.20	6.00	0.4	21.67

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 15.32

3.1.2.1 Number of teachers recognised as research guides

Response: 19

File Description	Document
Any additional information	View Document

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.75

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 19

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 126

File Description	Document
Supporting document from Funding Agency	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The college has formulated a '**Research Coordination Committee**' looks after all the requirements for the research work carried out in the college. Through the conscious efforts of committee and faculty members, the college has established an **INCUBATION CENTER** with well-equipped sophisticated laboratories for material Science, life science and food Science.

There are high-end equipments including DTA-TGA system, Atomic Absorption Spectrophotometer, UV-visible spectrophotometer, PCR, Microtome, cooling centrifuge, Tissue processor, Laminar airflow hoods, Incubator Shakers, Trinacular inverted Microscope, Gel electrophoresis systems, Sprayer Pyrolysis, Linear air track with Vernier interface, Einstein tablet and Labmet with sensors, MATLAB, LabVIEW are available to the researcher at the college. The college received research funds under different schemes from prestigious agencies like DST, DBT, BARC, UGC, BCUD SP Pune University to develop this centre.

Our faculty is actively involved in innovations, they successfully **developed low cost research based equipments**

- Ferrite Tablet making machine,
- Potentiostat and Cyclic voltammeter,
- High Temperature conductivity of ferrites,
- Photocatalysis apparatus,
- Gas sensor device

This incubation centre is used by the faculty and students for research purposes. Consultancies are provided to the industry and research scholars in the area of TGA-DTA, AAS, UV visible, HPLC, Tissue culture, etc. The low cost equipments designed by the faculty are used for research by scholars as well as for teaching-learning purposes. Projects are assigned for students to develop such low cost equipments.

The centre provides activity based learning environment to inculcate the research culture and scientific awareness among the students.

Analysis of samples is provided to the research scholars and they are guided to interpret the spectra. Hands on training is provided to students and faculty to use the equipments placed in the centre.

Owing to the consistent and focused efforts, the college started recognized research centers for offering M. Phil and Ph.D in nine departments.

The college organizes number of national and international conferences/seminars and workshops for the exchange of knowledge between the faculty, researchers and students.

An outcome of quality research work published in reputed journals by the faculty and scholars.

Students are regularly sent to National Research Centres like C-MET, NCL for completing their research projects as well as they encouraged towards learning-by-doing and hands-on-approaches and accordingly various programs are arranged.

The college library is well resourced by research journals and reference books to facilitate and update the knowledge of research work. INFLIBNET, DELNET databases, e-Books, manuscripts, etc, provided to the researcher for updating the recent developments in the relevant fields. Various collaborations and linkages are established with research institutes and industry to avail the facility and expand the knowledge of research.

File Description	Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 30

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	5	4	8	5

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 2.58

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 49

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 19

File Description	Document
URL to the research page on HEI web site	View Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document

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

Response: 1.01

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

2017-18	2016-17	2015-16	2014-15	2013-14
43	25	13	16	19

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

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

Response: 2.33

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

2017-18	2016-17	2015-16	2014-15	2013-14
34	48	79	71	35

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The college organized various innovative extension activities in thrust areas for students to sensitize them to work for social change in the field of education, awareness, empowerment of women and other social issues for inclusive society.

The National Service Scheme, Board of Student Development and other committees were forefronts in extension activities through community empowerment and involvement, focusing on issues such as Gender, Public Health, Environment and other developmental programmes.

Road safety awareness programs were organized to aware the students about road safety and safety measures through Street plays, Road safety drive, disaster management workshop, Helmet awareness and road safety lectures. Under the '**Police Mitra**', students help Pune Police for smooth Ganesh festival procession rally.

Voting awareness and Voter Registration Campaigns were organized in which students actively participated in rallies, street plays and awareness drive. Experts in their respective fields were invited to guide students.

Environment degradation is a global issue and to aware the students and sensitize them, rallies and lectures were arranged for the environmental awareness and cleanliness. **Poster exhibition** on Rickshaw and Bus stands, **PUC checkup, cycle rally, paper bags making workshop, Harit Dindi, Tree plantation, Biodiversity conservation, Mutha River cleaning** campaign were arranged. Through **Nature club** students were sensitized to save nature and environment.

In 'Nirmalya Dan' activity the flowers and other decorative material that has been used for Ganesh Festival were collected by students and demolished properly. Students encouraged devotees to donate Ganesh idols and guided them for maintaining the river clean.

To develop holistic approach in the student, Rakshabandhan and Diwali celebration were arranged in Nachiket Balashram (orphanage home). Under the Drishti Campaign, students had arranged programs for visually impaired students. **Literacy campaign, save girl campaign, Health campaign** like Pulse Polio Campaign etc. were arranged for students to develop the social responsibility. The college in collaboration with Hospitals organized Blood donation camps. **Rubella vaccination** and **Hemoglobin** testing program were organized with the help of Rotary Club for college girls as well as in the neighborhood school and iron tablets were provided for them to maintain the calcium and iron level. As Health care measures, Health Checkup, hand wash awareness, AIDS awareness activities were organized. Vitamin A deficiency of preprimary children were organized with the help of students and faculty and follow up was taken by consulting their parents. For **stress management** and enabling the students and faculty to overcome the potential stress associated with life, the college organized physical exercise and yoga sessions for students in the college as well as in neighboring schools.

Activities were organized under '**Nirbhaya Kanya Abhiyan**' to promote Women Empowerment and gender sensitivity through karate training workshop, Personality development workshops. Guidance Lectures are arranged for Women Self-help group members in villages. Under **Bhat Lavni** activity, students visited villages and worked with farmers in the farm for rice cultivation. This helped them to know the hard work of the farmers, traditional cultivation practices as well as developing the sense of importance of farming, food, brotherhood and service to the society.

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

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 17

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	6	4	4	3

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 94

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	20	17	28	22

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 45.58

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2529	3636	1807	2415	2210

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

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

Response: 38

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

2017-18	2016-17	2015-16	2014-15	2013-14
20	11	4	1	2

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 30

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
12	1	6	9	2

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

NAAC

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The college has adequate infrastructure facilities and resources for teaching learning activities as per the Government of Maharashtra resolution no. NGC 2012 / (247/12) / MS4 dated 2nd September 2013. Renovation of infrastructural facilities is done as and when required.

The college has the campus area of 15988.6 sq.mt (172099.9 sq.ft.) with adequate number of classrooms, laboratories, library, administrative office, conference hall, well – furnished seminar halls, ladies common room, Yoga center, wash rooms on each floor, separate wash room and ramp for physically handicapped students. ICT enabled classrooms, multi-gym and a playground to support the academic and non – academic activities. The complete college campus is supported with Wi-Fi.

Classrooms: College has 42 classrooms, two seminar halls, one conference room with ICT enabled facilities.

Laboratories: The college has 27 laboratories for UG, PG and research. Each laboratory has sufficient number of equipments and infrastructures required for practicals and research. Other than basic equipments the laboratory has 35 major important equipments having total cost more than 100 lakhs. To strengthen and inculcate research culture among students and teachers, the college established incubation centre in which scientific equipments are placed for measurement and analysis in material science and tissue culture. The college has research equipment such as TGA-DTA, Gas Chromatogram, HPCL, UV visible spectrometer, Keithly digital multimeter, MATLAB software, LabView software, AAS, Spray Pyrolysis, PCR etc. LCD TV/LCD projectors are installed in laboratories as well as have LAN with internet connectivity for students and teachers.

Computing Facility:

- 1.Computers: 485
- 2.Servers: 07
- 3.Laptops: 9
4. License Software (General) for teaching-learning : Windows 10; MS Office 16; Linux; Clarity software for language laboratory; JAWS software for blind students, DLM software
5. Software and hardware for scientific computing:
 - 1.Labview with MI9215 interface for interfacing and computing.
 - 2.MATLAB software for scientific computing.
 - 3.R software for statistical analysis.
 - 4.Science Cube Mentors with voltage, current, light, temperature, pH, turbidity sensors for interfacing and computing.
 - 5.Einstein Labmate and Einstein Tablet with voltage, current, light, temperature, pH, turbidity sensors for interfacing and computing.

6. Labquest mini interface with software and sensors for physics experiments.
7. Scientific SMM5054C Digital Multimeter interface with computer.
8. Free software such as Gamess/Firefly is used for quantum mechanical calculations. Audacity software used for computer interfacing in science experiments. Chemdraw software and Chemlabpro v2.5 animation software.

Library: The college library has an area of 4991.86 sq.ft. and it contains 45882 text books, 19780 reference books, 31 e-books, 03 e-journals, 708 CD, 391 Bound volume and 57 National and International Journals. Computer automation facility is available for quick access and retrieval of day to day function of the library activities. The Library has membership with INFLIBNET, DELNET, C.S.I, E-Journals. The spacious reading hall in the library accommodates 150 students. For Visually impaired users, Braille materials are available with Audio-Cassettes and recorder. Separate reading halls in the library for research students and teachers. Apart from this, departmental library facilities also available. Library also has server room, changing room and photocopiers.

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

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

Response:

Sports Facilities:

The department of physical education and sports was established in 1992. The college has provided adequate infrastructure to the department. Indoor and outdoor sports and games facilities catering to the diverse needs of the sports personnel have been provided. The sports, games and gymnasium facilities made available to the sports personnel are as under:

Indoor Facilities: -

Gents Gym: College Physical Education & Sports department has a separate Gym for boys having 1000 sq. feet area with 11 multi-station gym and Treadmill, manual walker, dumbbells, wash room and changing room.

Ladies Gym: College Physical Education & Sports department has a separate gym for girls having 400 sq. feet area, seven multi-station gym and dumbbells, Weight Lifting Equipments, wash room and changing room

Multipurpose Gymnasium Hall: The hall has facilities for Wrestling, Chess, Carom, Table Tennis, Judo. A separate area is provided for Yoga training.

Outdoor Facilities:-

The physical education and Sports department have a multipurpose ground having area of length 50 mtr and width 35 mtr. The College students use this multipurpose ground for Kho- kho, Kabaddi, Volleyball, Handball, Korfbal, Netball, and Football. There is separate badminton court.

Students are given training for sports in number of games which has increased participation at Intercollegiate, zonal, university, state, national, and international level. Over last five years the students received six gold medals at international level, 59 medals at national level. Apart from this, the college is committed to innovate, modernize and update the existing sports facilities. In fact, the Department believes only in provision of the distinguished sports facilities.

Cultural Facilities:

The Cultural Committee of the college is a vibrant committee which provides a platform to students to exhibit their creative talent. It reverberates the imaginative and artistic potential of the effervescent and vivacious students. The Cultural Committee of this multi-faculty college strives to boost the creative talent of the self-motivated artists, that is, painters, cartoonists, illustrators, sketchers, dancers, sculptors, singers, musicians, performers and dramatists. The Cultural Committee has a separate cabin. The Committee makes use of the auditorium, Room No F5 and the Raman Hall for dance, music and drama practice. Students participate in different cultural activities at University, State, and National level and have received many awards in varied cultural competitions. The cultural committee organizes different cultural activities. The committee organizes auditions for students in different cultural events.

The college boasts to have the renowned and legendary alumni and students successfully venturing in diverse fields of cine industry, music, acting, oratory, singing etc., The renowned film actress Smita Tambe and the renowned Marathi playback singer, Mr. Sandeep Ubale are alumni of the college. Many students have played and are playing interesting roles in different Marathi/ Hindi films and TV serials. The cultural committee is enriched by the talented students doing exemplary work as script writers, costume designers, set masters, directors, producers for well-known Marathi movies and TV serials. Some students have produced short films on different subjects.

File Description	Document
Any additional information	View Document
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

Response: 92.31

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 72

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 34.33

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
168.94	147.02	55.57	65.85	125.25

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

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

Response:

Library Management System:

The library is the knowledge resource center of the college and is automated through integrated Library Management System ETH Software Version 8.1.1 developed by ETH Ltd, Pune. The LMS have modules Viz. Library Category Master, Item Management, Subscription Management, Bill Management, Library Membership, Item Reservation, Issue Item, Return Item, etc. This software provides facility to create, view and print records of accession register, subscription list, transaction report, bill report, membership reports etc. The software has facility to generate identity card for students and staff from the records. Web OPAC facility is available in the LMS for the status of a book such as available, issue, shelf number, accession number, title, author and publisher. Due to this the books are easily tracked. Records of books are generated as category wise (Text, Reference or Other), Subject wise (Physics, Chemistry,), accession number wise.

Issue and return modules available in the software are used for issue, renewal and overdue of books.

Book Bank link is provided to keep record of this facility for students.

Bar code labels are generated through this software using accession register data of books and circulation of books done through Barcode system and OPAC and Web OPAC facility is made available to the users.

Library portal: A library portal is designed on college website (www.pdearmacs.edu.in) to act as an one stop solution for different services for user such as collection and facilities. Important links are provided on portal for SPPU-Syllabus, SPPU-Question papers, INFLIBNET N-List, Shodhganga, Shodhsindhu, DELNET Databases (Union Catalogue of Books/Journals/Theses), Computer Society of India (C.S.I.Communicatio), Jaykar Library, British Library, Gokhale Institute Library, NCL Library, National Library, Open Access Journals(DOAJ), National Digital Library, Rare Book society of India. Maharashtra Sahitya Parishad, Rare Book Room.

Computer Facility:

In the Library 13 computer with 10 Mbps leased line, 100 Mbps Wi-Fi and Power backup facilities are available. The details of Computer are as follow.

Sr. No.	Particulars of work	Number of Computer
1	Library OPAC for Reader	01
2	Circulation of Books	02
3	Library Administration Work	04
4	Network Resource Centre for using database	05
5	Blind Student Section	03
	Total PC's	15

Resource centre for visually challenged students with separate room having computers and Jaws Talking Screen Reader for blind software.

From the current year user tracking system is made available. The users are tracked using barcode system. For this purpose, Identity cards with bar code are proved to the students and staff. Daily, monthly and category wise analysis report is generated in this system.

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

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The RMACS College library established in 1992 has a rich collection of books and periodicals. The library has collection of 65662 books and 57 Journals and Periodicals.

The collection has knowledge books such as Marathi Vishwakosh, Snaskriti Kosh, World books, Britannica Encyclopedia, India Year book, Manorama Year book, Marathi Dnyankosh. There is collection of religious and spiritual books such as Sant Tukaram Gatha, Eknath Gatha, Tukaram Darshan, Dnyaneshwari, Bhagavad-Gita, and Bible. In the collection the library has 13 rare books.

The library has collection of special reports such as Kothari Commission, Radhkirshna report and Mudliyar report. Government publication of Resolutions, Constitution of India books are available in the library.

20 braille lipi books and audio CDs are available in the library for visually impaired students. Jaws Talking Screen Reader for blind software is made available in the library for these students.

391 periodical bound volumes of national and international journals which are subscribed over the years are available for researchers. 513 CDs on different subjects like e-books and e-journals are available for students and staff. The central library has a membership of INFLIBNET, Computer Society of India and DELNET. Links of E – resources are available on the library portal of the college. Library portal also provides links for rare books and manuscripts such as;

- <https://rarebooksocietyofindia.org/>
- www.masapapune.org/books
- <http://www.rarebookroom.org/>

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

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 9.55

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
8.58	7.16	11.46	10.03	10.54

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 12.43

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 709

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The college has very good IT facilities available for teaching-learning, research and administration. Over the years the college upgrades hardwares, softwares and allied IT facilities according to requirements. The college try to introduce latest technology in computing and IT fields regularly. The details of upgradation of such facilities are as given below:

Hardware:

Before academic year 2014-15 following hardware were present in the college

- 1.Desktop (286, 386 and Pentium) with CRT and LCD monitor
- 2.Laptops
- 3.LCD projectors
- 4.Smart T.V.
- 5.Server
- 6.Computers were connected in LAN: Computer department and Office
- 7.Generator backup

Upgradation of hardware year-wise:

2014-15:

- 1.Desktop (Pentium) with LCD display
- 2.LCD projectors
- 3.Computers were connected in LAN: BBA/BCA department, B-Voc software development department, Library.
- 4.Battery backup

2015-16:

- 1.LCD projectors and LCD TVs
- 2.Computers were connected in LAN: Physics department, Statistics department.

2016-17:

- 1.Smart T.V.
- 2.Einstein Labmate and Tablet interface with sensors
- 3.Computers were connected in LAN: BCA (Science) department.

2017-18:

- 1.Desktop (Pentium) with LCD display

2. LCD projectors and LCD TVs
3. Computers were connected in LAN: Zoology Department, Botany department, Commerce Department, English Department.

2018-19:

1. Desktop (Pentium) with LCD display
2. LCD projectors
3. Server-HPEDL 360
4. Solar panel
5. Scientific SMM5054C Digital Multimeter for computer interfacing of sensors.

License Software:

Before academic year 2014-15 following softwares were present in the college

1. Microsoft Windows -XP,7 License Copy
2. MS Office -03, 07 License Copy
3. Clarity software for English language Lab
4. Science Cube Mentor Interface with software for scientific computing
5. ETH software used by examination department, Library and Account department.
6. Chemdraw software for drawing of structure of molecule.
7. Linux 5.4 Redhat

Upgradation of software year-wise:

2014-15:

1. Microsoft Windows – 7,8.1 License Copy
2. MS Office -07,10 License Copy
3. R-Software Version 3.1.2 for data analysis
4. Chemlabpro v2.5: animation software

2015-16:

1. Microsoft Windows – 8.1 License Copy
2. MS Office -7,10,13,16 License Copy
3. R-Software Version 3.2.3 for data analysis
4. MATLAB Software for scientific computing
5. Labquest Mini with Vernier software (For Linear Air Track)
6. Linux 6.5 Redhat

2016-17:

1. Microsoft Windows – 10 License Copy
2. MS Office -13,16 License Copy
3. R-Software Version 3.3.2 for data analysis
4. Labview software for interfacing and Scientific Computing

5. Einstein Labmate software
6. Tally 9.0 used by Account department.

2017-18:

1. Microsoft Windows – 10 License Copy
2. MS Office -16 License Copy
3. R-Software Version 3.4.3 for data analysis

2018-19:

1. Microsoft Windows – 10 License Copy
2. MS Office -16 License Copy
3. R-Software Version 3.5.3 for data analysis
4. JAWS: Job Access with Speech software
5. DLM: Digital Linguistic Mentor for Language Lab – English Department
6. ERP software used by Library.
7. Vriddhi Software for examination department.

Internet and Wi-Fi:

Year	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Internet speed	5 mbps	5 mbps	5 mbps	4 mbps	12 mbps	110 mbps

Wi-Fi facility is made available to all students.

The college subscribes Antivirus packages for Protection of Softwares.

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 11.51

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 6.94

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

2017-18	2016-17	2015-16	2014-15	2013-14
21.80	16.39	8.53	18.69	41.46

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	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:

Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi has designed Policy and Procedure for usage and maintenance of physical and academic facilities in 2014 and revised in 2017. This policy and procedures provide the basis for equitable allocation and efficient utilization of facility based on the critical needs of educational, research and administrative activities. This results in a quality learning and working environment for students, faculty and staff.

1. Facilities Use Policy

Central coordination of facility allocation will ensure that facility is used effectively and efficiently. This policy also provides a framework for the optimal use of physical assets as well as regular review of the College's space needs. The allocation of space for usage is decided by the Space allocation and usage committee. Classroom scheduling is enables students to attend classes and prepare their schedule accordingly and institutional resources are used efficiently. Allocation and usage of classrooms are decided by Time-Table committee. The classrooms are allocated according to number of Programs and student strength of each class. The time-table is designed in such a way that there is optimal use of classroom space. Faculty with health issues or physical disabilities will be given priority to schedule their classes at appropriate classrooms. The class which has enrolled "Divyang" students will be given priority in assigning the classroom which is easily accessible. For such activities, permission must be taken by organizers from the Principal of the college. Permission will be given to use the classroom so that it should not conflict with academic classes' schedule.

The schedule of laboratory is decided by time-table committee with the help of head of the departments in such a way that the laboratory is used optimally. In addition to practical sessions, the laboratory space is used for research purposes by faculty and students. Authority to allot the space for research purpose is given to head of the department.

Administrative office spaces are rooms or cabinets assigned to one or more individuals on a regular basis containing furniture and other equipment and used by administrative and support staff. The principal and registrar of the college allocate the required space to individual in the administrative office.

Guest lectures, seminars, science exhibitions, management week, geography week, and other programs arranged by different departments for students. These programs are helpful for students to get knowledge or recent developments in the subject. For these activities space is required. The space is allotted to these activities on the basis of importance of the activity and number of students participated in it.

The college space may be allocated to external users by taking the care that academic classes and academic activities in the college are not disturbed. The college space is allocated to different users on the basis of their request by the Principal.

Library space is classified into five categories: study room, stack, open-stack study room, online resource room, and study service. Library space contains stacks which is the space used to house arranged collections books and other educational materials for use as a study resource. The library space is allocated by the Librarian according to the usage.

The Sports Facilities Rules designed by the college aim to serve as general guidelines to internal users and external users and source of information pertaining to College sports facilities. The college authority

reserves the right to modify or amend these rules when necessary. Announcements concerning the above will be made via notice boards on the premises accordingly. All sports facilities present in the campus are mainly used for sports education, training, competition, and recreation by college students, faculty and staff members. The schedule of gymnasium is decided by Physical Director in consultation with Gymkhana committee and the Principal.

The college owned equipment such as computers, LCD projector, printers, audio-visual are allotted by the registrar and monitored by computer technician and electrician.

The allocation and usage of laboratory equipment are decided by the respective head of the department.

In case of disposal of any equipment from the department's dead-stock register, concern head of the department make a list of such equipment after taking permission from college authorities respective equipment is removed from the dead stock register.

2. Maintenance Policy

The college has stated maintenance policy of facilities. The routine cleaning and maintenance of classroom and physical space is performed regularly as per policy.

Renovation, alteration, and improvement of the existing academic, research, and support buildings is decided by the Principal in consultation with concerned head of the program. The requirement for this is made to Management of the college and after their permission the work is carried out.

For maintenance of IT infrastructure and Electrical fittings and appliances separate computer technician and electrician are appointed for day-to-day technical needs as well as replacement and repair requests. Computer technician looks after maintenance of IT resources like computers, printers, replacement of tonners, software problems, networking problems. Electrician is responsible for replacement or fitting of light tubes, bulbs, switches, MCB boxes. Technicians are available throughout the day. If the problem is major it should be brought to the notice of principal.

This document provides policy for maintenance of all types of equipment held throughout departments. Maintenance policy ensures that equipments are always in ready and reliable condition as well calibrated to provide good quality outputs.

Heads and faculty in the departments are accountable for proper use of equipment. If maintenance or repairing of equipment is necessary, head of department takes care of this. If there is replacement of small part of the equipment, head and faculty with laboratory assistant make arrangement for that.

For major maintenance and repair external technicians are called by head of the department. Proper cost of repair and maintenance is taken from the technician and submitted to the principal. With necessary permissions the maintenance of equipment is carried out.

If there is necessity to move equipment out of college campus for repair or maintenance, the permission is taken from the principal by the head.

Link:https://s3.us-east-2.amazonaws.com/test-rmc-bucket/PolicyProcedure/26_4.4.2-PhysicalAcademic-policy.pdf

File Description	Document
Link for Additional Information	View Document

NAAC

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 the last five years

Response: 11.42

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
490	666	667	661	653

File Description

Document

Upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

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

[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 13.43

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
439	941	924	780	613

File Description

Document

Any additional information

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

- 3. Soft skill development
- 4. Remedial coaching
- 5. Language lab
- 6. Bridge courses
- 7. Yoga and meditation
- 8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 31.98

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

2017-18	2016-17	2015-16	2014-15	2013-14
1705	2215	1239	2268	1391

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 11.28

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
984	604	469	450	604

File Description

Document

Details of the students benefited by VET

[View Document](#)

Any additional information

[View Document](#)

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

Response: Yes

File Description

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](#)

Any additional information

[View Document](#)

5.2 Student Progression

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

Response: 19.41

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

2017-18	2016-17	2015-16	2014-15	2013-14
303	452	270	199	187

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)
Response: 21.73

5.2.2.1 Number of outgoing students progressing to higher education
Response: 316

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)
Response: 30.77

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

2017-18	2016-17	2015-16	2014-15	2013-14
21	7	11	10	10

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
56	31	41	32	28

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

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

Response: 60

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

2017-18	2016-17	2015-16	2014-15	2013-14
18	16	14	7	5

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

A student council is a group of student elected from the college students who work with advisors within the frame work of University laws. They collaborate with others to serve college community and provide a means for student expression and assistance in college affairs. The student council provide an opportunity to students to develop leadership by organizing and carrying out college activities and service projects. In addition to planning events that contribute to college spirit and community welfare, the student council is the voice of the student body. The college has formed Students Council according to Maharashtra university act 1994 clause 40/4A. The Student Council is formed by Class Representatives (CR) who are selected on the basis of their previous year's academic performances from each class. There are representatives each from National Service Scheme (NSS), National Cadet Corps (NCC). Representatives from the student council select University representative of the college. All University representatives of

different colleges are forming the student council of the University. Miss. Anita Gadekar was university representative of our college as well as she was selected as secretary of University Student Council in Savitribai Phule Pune University during the year 2013-2014. Miss Mohini Mahindra Bhalekar was University representative of our college during the year 2014-2015. Miss Komal Kisan Kashid was university representative of our college during the year 2015-2016. Miss Reshma Makarand was University representative of our college during the year 2017-2018. The list of student council members of the respective academic years are attached in the link as Student Councils. The Principal holds regular meetings with these members at which issues related to teaching-learning, student activities, examinations and other facilities in the College are discussed. College Development Committee (Formerly Local Management Committee), IQAC, Student Welfare Committee, NSS Committee, Library Committee, Canteen Committee, Gymkhana Committee have representatives from the student council and they actively participate in the meetings of these committees. University representative of the council is also included in the Editorial Board of College Magazine "Horizons". The members of student council are involved in the organization of various co-curricular and extra-curricular activities of the college.

The function of the student council is based upon parliamentary procedures and participation of students help share their ideas, interests and concerns with the college administration.

From the last three academic years, Sakal Media Group organizes elections for "Young Inspirators Network" for providing platform for college students to participate in democratic processes. College students actively participate in these elections. Students from the college are elected as representatives for YIN network. <https://www.youtube.com/watch?v=YIJE9Vh061M&t=24s>

The Student council helps student to develop a sincere regard for law, values, ethics and citizenship required for democratic society.

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

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 24.4

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
26	27	28	22	19

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

Alumni of the College are well placed in all fields industry, education, business, professional fields, entertainment industry, academics and social work. The alumni association of the college is registered on 22/01/2014 as per the Maharashtra Institution Registration Act 1860(clause 21) with registration No. 113/2014. Regular meetings of the association are held. During last five years the alumni assisted the college in different ways. The alumni have given books for different departments of amount Rs. 37252/-; atomic model kit, Printer, Spin coater, Pen drive and wall clock of amount Rs. 43000/- for the departments; trophies, plants for guest and winners and certificates for winners of amount Rs. 13300/- for the college students. The alumni association also arranged workshop on sports mental health and a Rangoli workshop and arranged funds for these. The alumni association organized ex-student meet 26/12/2017 in which about 3000 alumni participated and expenditure of the meet born by the association. The association kept fix deposit of Rs. 100000 for college students. Alumni association provided financial aid of Rs. 37000/- to pay fees for 21 weaker students. Alumni have arranged a guest lecture for staff members on computational design of 2D material for Energy and Bio-medical. Alumni Association organized one-day workshop for students on “Pranayam and Meditation” on 14/8/2016 and “Khel-Ek Mansik Swasth” workshop on 8/12/2015. Alumni association also arranged a guest lecture on cloud computing, Python programming for computer science students. The alumni of Psychology department had organized programs on Personality development, Sex education, Drama and Role play for Art faculty students. The alumni organized special lectures on communication skills, Personality development, Women entrepreneurship and Spoken English for all faculty students of the college during the last five years. The alumni members organized programs on environmental awareness and physical fitness to motivate the students. Alumni of geography department organized a special lecture on career opportunities in advanced GIS and remote sensing systems.

The NSS unit receives the alumni students help in adopting village, organizing annual camps and carrying out development projects. Alumni also help in organizing blood donation camps, tree plantation campaign and other extension work. They participate in the annual College functions. They also assist the College in placement process and provide inputs to the departments about the industry requirements. Some of our nonresident alumni when they visit India visit the College and interact with our students updating their knowledge about the field. Many of alumni are in regular contact with teachers and contribute to the teaching learning processes indirectly by providing a variety of information.

Alumni Association has created a Facebook page to spread awareness about activities conducted in the

college among the alumni. The link is <https://www.facebook.com/Prof-Ramkrishna-More-ACS-College-Alumni-Association-156465087880116/>

College Development Committee and IQAC has one representative from alumni association as a member. This member can express their views in the meetings and make suggestion in the functioning of the college.

The college alumni have created short documentary of 25 Glorious Years the college and uploaded on YouTube and shared with members of association. <https://www.youtube.com/watch?v=yqEPnX-AXz0>

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

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: ? 5 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 24

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	3	5	3	2

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document
Report of the event	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 an effective leadership in tune with the vision and mission of the institution

Response:

Pune District Education Association called PDEA, is the leading educational Institute with 142 branches in Pune District. It was founded by noted educationist and social worker Late Shri. Baburaoji Gholap in 1941 and working under the efficient leadership of Shri. Ajit Pawar, President of PDEA. The PDEA established, Prof. Ramakrishna More Arts, Commerce and Science College, Akurdi in 1992 in order to provide higher education to students especially girls from the vicinity. The vision and mission of the college are:

Vision

To discharge quality education with a commitment to excellence through student centric efforts, activities and learning services by providing excellent infrastructure with advanced technological facilities at college where students achieve their educational objectives while meeting institutional standards in order to compete successfully in the 21st century.

Mission

Prof. Ramakrishna More Arts, Commerce and Science College is a socially conscious educational institute run by PDEA with the motto "**Bahujan Hitaay, Bhaujan Sukhaay**" is set up for providing world class advanced academic and technical education to the students coming from the mass classes of the society and further, to empower them to become successful, sensitive and high-valued citizens of the Indian nation.

The college celebrated its *silver Jubilee Year* in 2017-18. During this period, the college has achieved its aims and objectives satisfactorily. At present it has to its credit pioneering efforts after making quality education available to students. By adopting the principles and philosophy of the Association, present leadership of PDEA provides clear vision and mission to the college. The leadership endorses teamwork towards a common vision, and to direct individual accomplishment towards organizational objectives. During the last 25 years, the achievements of the college have been noteworthy. The students are satisfied feel happy with the present environment and the opportunities available to them to develop their personalities. All academic and administrative units are governed by the principles of transparency and participatory management. Our leadership has taken distinctive decisions to start various value based self-financing courses at undergraduate, postgraduate, and research levels that make the students competent in era of globalization. Thus to achieve the goal in tune with the Mission and Vision of the Institute, the Management provides advanced technological facilities like modern Laboratory equipment, computing facilities, IT facilities, excellent physical infrastructure such as laboratories, library, sports facility, classrooms and other allied infrastructure. The academic and administrative planning of college is progressing hand in hand. The funds of the college are optimally allocated and efficiently utilized by proper budgeting system. Nevertheless, the leadership and governance has led to the achievement of administrative and academic excellence.

Taking into account the need of 21st century, the leadership introduces student centric, skill based programmes in the college to enhance employability. The mission and vision of the institution defines the uniqueness of the Institution by imparting quality education to the students majorly coming from grass root level, semi urban locale as well as from economically weaker sections. Thus the governance of the institution is in tune with the vision and mission of the Institution.

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The college has a College Development Committee (CDC) formulated according to Maharashtra University Act 2016. It acts as a link between the PDEA management and the college. Meetings of CDC are held regularly to discuss matters related to college development, student and faculty development. IQAC is established in the college and plays a pivotal role at academic and administrative level. 41 different committees are formed in the college to look after different types of activities. Representatives of the management, Principal, faculty members, staff members, students, eminent personalities and alumni are part of the committees. The college administration is decentralized through head of the departments, faculty members, Registrar, Committee chairman, members and office staff etc. and role of each one is pre-decided.

Under the supervision of Principal, Heads and committee members prepare plans for organizing curricular, co-curricular and extracurricular activities. These plans are approved from concerned authorities and implemented accordingly. While preparing plan and its implementation of it views of stakeholders are taken into account. In the decision of purchasing of equipments and upgrading of infrastructure every faculty member as well as heads of the department are involved.

Case study:

Library Committee and purchase of Books and Journal

The college has a library committee which looks after the functioning of library.

Every year regular meetings of library committee are held.

In the meeting, library committee decides the budget for purchase of books, journals and allied items for each programme.

List of books to be purchased and journals to be subscribed are sought from the head of the departments.

Each head of the department after discussion with faculty prepares the list of books and journals to be purchased. The list is submitted to the librarian.

Librarian puts forth the requirements in the library committee and take approval for the lists.

Quotations are taken by the librarian from different dealers and comparative charts are made by the librarian and chairman of Library committee.

The comparative chart and the proposal for purchase is submitted to the principal.

Principal forwards these to management for approval.

After approval from the management, the purchase or subscription is done by the librarian.

Once the books are received in the Library along with the bills, the price of each book and discount rates is verified by the Library staff in Acquisition Section. Entry for each book is made in the Accession Register with all the relevant details of the book like its price, publisher, vendor, year of publication etc. Then the bills are processed for payment with the accession numbers entered against each item. Acquisition Section certifies the above procedure before forwarding the bill to the Accounts Section.

With the permission of Principal, the account section makes the payments to dealers.

Similar procedure of decentralized and participative management is practiced for all the other purchases as well for organization of co-curricular, extracurricular and sports activities in our institute.

File Description	Document
Any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The IQAC through deliberations with the stakeholders made a perspective plan (2015-2020) in April 2015 for the development of academic, administrative and infrastructural facilities and approval was taken from LMC(now CDC) and PDEA management. The purpose of the plan was to strengthen the UG, PG and the Research centers. In the committees related to infrastructural development, teachers are the main partakers while in the issues related to financial and administrative matters, members of Management Committee are involved.

Aspects included in the perspective plan:

1. Faculty development/addition of new courses
2. Introduction of innovative short term and add-on courses
3. Organization of seminars and workshops
4. Growth of students -faculty wise/course wise
5. Social responsibility programmes

6. Career development and placement services
7. Students Parents teachers' relation development
8. Evaluation of teachers by students
9. Leadership and alumni activities development programmes
10. Accreditation/Reaccreditation (cycle 2/3)
11. Qualitative and quantitative strengthening of existing programmes
12. Research, consultancy and extension
13. Augmentation of academic infrastructure and equipment
14. Effective and extensive use of ICT in teaching and learning system
15. Effective and efficient use of computer applications in admission, administration, examination and accounting processes
16. Plan for seeking more financial aid under UGC/BCUD/AICTE etc, for programs
17. Financial requirements for perspective plan: year wise, pointwise estimates
18. Sources of finance- college/PDEA/others
19. Priority recommendation

At the end of every year a review is taken about implementation of aspects of perspective plan.

One of the examples of activity successfully implemented based on perspective plan is as follows

Augmentation of Academic infrastructure and equipment

S.No	Proposed infrastructure and Instruments	Status
1	Food Science Laboratory	fulfilled
2	New Laboratory for Computer science	fulfilled
3	One central Computer Laboratory/facility	fulfilled
4	Classrooms for M. Sc. I and II with white board	fulfilled
5	One high-tech classroom to facilitate ICT enabled teaching.	fulfilled
6	Increase of space for Physics and Zoology	fulfilled
7	Renovation and addition in furniture to the existing and newly proposed labs.	fulfilled
	Classrooms:	
8	FT-IR	Will be purcha
9	AAS	purchased
10	TGA-DTA	purchased
11	Magnetic Susceptibility	purchased
12	Gas Chromatogram	Will be purcha
13	HPLC	Will be purcha
14	Double Beam UV – Visible Spectrophotometer	purchased
15	XRD	Will be purcha
16	Laminar Air flow	purchased
17	PCR and Gel Doc	purchased
18	Research microscope (Stereo zoom: Inverted and Phase contrast with microphotography.)	purchased
19	Microtome- automatic	purchased
	computers – 4 physics; 10-commerce; 4- Zoology, 12-Botany	purchased
20	Storage oscilloscope,	purchased

21	CRO, power supply	purchased
22	LCD projectors- 05	15 are Purchas
23	Nanotechnology equipment	Spray pyrolys purchased
24	Increase the speed of lease line upto 10mbps	Increased the mbps
25	Printer- Laser HP 1020 -03	purchased
26	Antivirus software- 20 users	purchased
27	Inverter 01 unit (10 comp backup)	purchased

85% of the proposed plan has been completed and the remaining will be completed by March 2020.

The perspective plan is made available on the website.

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The college is governed by Pune District Education Association and permanently affiliated to Savatirbai Phule Pune University, Pune.

Administrative Setup:

The organizational structure consists of the Parent body PDEA with governing body, governing council and coordination committee governed by the President, Vice-President, Hon. Secretary, Treasurer, Assistant and Joint Secretaries and Members. At college level, the College Development Committee (CDC) is an apex body and acts a link between the Management and the College comprising of Office Bearers of the Management, the Principal, teacher representatives, non-teaching staff representatives and students' representative. At College level there is Internal Quality Assurance committee(IQAC). The Principal is assisted by three Vice Principals followed by the Heads of the departments and faculty members. For official matters, the Registrar is assisted by the Office Superintendent, Senior and Junior Accountants, clerks and manual staff.

Academic administration:

At department level, the organization includes Head of departments, faculty members and non-teaching staff.

In library, the organization includes Librarian, Assistant Librarian, Library clerks and library attendants.

The organization of Department of Physical Education and Sports includes Physical Director and attendant.

College Committees: Various committees are constituted for the planning, preparation and execution of academic, administrative and extra-curricular purposes. Each committee consists of chairman and members. The IQAC plays an important role for monitoring the internal quality of the institution. It is through these committees that the college seeks decentralization of power structure.

Service Rules and Recruitment:

For the service conditions and rules, the college follows the rules and regulations laid down by S. P. Pune University, UGC, New Delhi and Government of Maharashtra. The candidates are interviewed by the Selection Committee as per the rules. For recruitment of non-teaching staff, the management follows the rules set by Government of Maharashtra. Temporary posts are filled by the management as per UGC and Government of Maharashtra rule.

Promotional policies:

All the promotions of teachers are as per the career advancement scheme(CAS) setup by UGC and Government of Maharashtra. The promotion of non-teaching staff are taken as per the Government of Maharashtra norms. For promotion of Non-grant posts, PDEA follows Government of Maharashtra rules.

Grievance Redressal Mechanism:

The college has a Grievance Redressal Committee, Women's Redressal cell, Sexual Harassment Committee, Anti-ragging Committee, and Discipline Committee for proper redressal of the grievances of students and the faculty. Student's Grievance Cell enquires and analyses the nature of the grievances in a strictly confidential manner. The aggrieved student is informed about the measures taken and check in the system is introduced to ensure there is no repetition of the same.

The CDC works as a Grievance Redressal Cell for employees as and when necessary. The representatives of the teaching and supporting staff are free to raise issues regarding grievances if any in the meetings. CDC looks after the grievances related to service conditions, long leaves and other relevant problems. The CDC has a provision to call employee with grievance if any and discuss the issue and suggest positive measures to resolve the same.

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

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. All 5 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

For effective implementation of policies, the college constitutes different committees namely, CDC, IQAC, Time-Table, Anti-Ragging, Examination, Library, Student Welfare, Life Long Learning, Anti-Sexual Harassment Cell, Grievance cell, etc. with defined roles of chairman and members of each committee. The chairman with its members through deliberations in the meetings plans activities of the committee and implements them. The minutes of meetings are prepared for each meeting. The records of the meetings viz. notice, agenda and the minutes are maintained by the respective chairpersons of the committees.

Case study: Student Welfare Committee (SWC)

College has appointed Student Welfare Officer as per University guidelines. SWC is headed by Student Welfare officer and assisted by members. SWC proposes, regulates and conduct various student centric activities. SWC every year forms Student Council according to University acts.

SWC implements various schemes proposed by Board of Students Development, Savitribai Phule Pune University. The schemes are

1. Earn and Learn scheme.

2. Students Personality Development workshop.
3. Nirbhaya kanya Abhiyan.
4. Disaster Management
5. Special Guidance for students
4. Workshop for students proposed to University by the college

Meetings of SWC are conducted regularly to plan the activities. The SWC through its meetings and deliberations carry out following:

1. Discussion of various proposals as suggested by different departments
2. Submission of proposals to the University
3. After approval of activities and funds from the University, carry out the proposed activities
4. Decide responsibility of departments or committees to carry out the activities.
5. Prepare the schedule and implement approved activities or schemes throughout the year
6. After successful conduction of various activities prepare a detailed report and account statement of each activity
7. Submit the report and account statement to the University for audited.

In last five years SWC implemented Earn and Learn scheme, Students Personality Development workshop, Nirbhaya kanya Abhiyan, and Special guidance every year. In other activities, SWC conducted different activities like Workshop on Swatch Bharat Abhiyan, Project and Poster competition, Mobile repairing workshop, NET-SET workshops, GST workshop, Pre-marital counselling, Value Education Workshop, Careers through NCC workshop, Workshop on Bio-diversity, Job fair, Zonal Youth festival, Nursery business development workshop, literary Fest, Management week, Master Chef competition etc. Under the Samarth Bharat Abhiyan, SWC conducted Role of Youth in Rural Development Workshop under which different community survey are conducted in different villages. The surveys like, Socio-economic survey, biodiversity survey, vitamin deficiency and health survey, soil and water survey, energy survey, linguistic and cultural survey were conducted with the help of students and detailed reports were prepared. Detailed report of each activity with accounts and utilization certificates audited and submitted to Savitribai Phule Pune University every year.

The activities conducted by Student Welfare cell were also appreciated by Savitribai Phule Pune University. The college received **Best college award** for Board of student Welfare from University in 2015-16. Dr B G Lobo Chairman of student welfare committee received **Best Student Welfare Officer Award** from University in 2015-16.

File Description	Document
Link for 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:

There are a number of welfare measures taken by the Institution for the benefit of teaching and non-teaching staff viz.

- General Provident Fund (GPF) for grantable staff Investment of 12 % of basic pay with returns as per government rules.
- General Provident Fund scheme is in practice for the teaching and non-teaching staff members of the non-aided courses. The management contributes towards this scheme. Gratuity funds are also available for Non-grant employees.
- Defined contribution pension scheme (DCPS) for grantable staff who have joined the service after 01/11/ 2005.
- Medical claim facilitated through Joint Director of Higher Education to Government of Maharashtra.
- Retirement pension as per government rules and regulations.
- Contributory pension for teaching and non-teaching staff.
- Employee's Sevak Sahakari Patsanstha, Pune (Credit Cooperative Society): Instant loan up to 12 Lac with 12% interest for house construction/ renovation. Annual share dividend as per cooperative rules against investment. Staff insurance / Mediclaim of Coverage up to Rs. 8 Lac with investment of Rs. 720 per annum. The members are given advantages of a good rate of interest i.e. 11 % on their fixed deposits in the credit society.
- Sevak Kalyan Nidhi grants Medical Aid up to a maximum limit of 25000/- in case of accident or accidental death.
- Accident Insurance facility
- Laxmibai Gholap fund is created by the Cooperative society for the repayment of loan on the natural demise of the member after deducting membership and deposit amount.
- Gratuity funds
- Felicitation at the Annual General body meeting
- Diwali advance of Rs. 10000 without interest for non-teaching staff of unaided programmes.
- Maternity leave for 180 days.
- Paternity leave for 15 days.
- Medical leave for 20 days (half paid)
- Training Programmes for non- teaching.
- Sabbatical leaves /study leaves for pursuing higher studies.
- Uniform provided to non-teaching staff

In addition to these the management gives following benefits to the employees:

- Rectitude and genuineness in work of the staff members is encouraged by the management by felicitating the praiseworthy staff members regularly at the Annual General body meeting. Dedicated work of the employees over the academic year in various fields is noted and honored by the management to encourage work culture in the college. In addition to this, staff members are felicitated in a function for sincere discharge of their duties in the College, clearing qualifying examination like SET/NET, paper presentations at International conferences, publishing books, achieving M. Phil or Ph. D degree.
- The Parent society also gives Life Time Achievement Award to the Teaching and non-Teaching

Staff entitled – Shri. Baburaoji Gholap Saheb Puraskar for their extraordinary contribution and dedication towards their duties.

- Well-equipped gymnasium facility trainer for faculty and staff.

File Description	Document
Any 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: 1.05

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	0	2	1	1

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	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: 8.8

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

2017-18	2016-17	2015-16	2014-15	2013-14
12	13	10	5	4

File Description	Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 24.61

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
22	15	78	14	11

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers).	View Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Yes.

The Institution has Performance Appraisal System for teaching and non-teaching staff.

1. Performance Based Assessment System(PBAS): The PBAS is monitored by the institute. It is obligatory for the faculty members to fill and submit the performance appraisal report according to the standards of the University Grants Commission and in accordance with the plan given by the Pune University. It is a three-part report whereby the teacher has to fill up the form containing the information of (1) Teaching-Learning and evaluation (2) Curricular and extra-curricular activities,

and (3) Research. This form has to be filled at the end of each academic year which is then submitted to the Head of the Department with the essential documents. After evaluating the form, the head of the department forwards it to the IQAC. The IQAC of the college assesses and validates the report submitted by the faculty and validates the scores. This report is given to the Principal. The performance appraisal is also used for Career Advancement Scheme (CAS).

2. Confidential Report: The management collects confidential report as well as teachers' information regarding (1) Teaching-Learning and evaluation (2) Curricular and extra-curricular activities, and (3) Research with comments from Head of the department and Principal at end of every academic year. This report is evaluated at management level.
3. Confidential Report for Staff: The performance appraisal system is channelized through confidential report. Every member of the Administrative staff has to fill this form and hand it over to the Registrar of the college. The Registrar adds his own observations and comments and forwards it to the Principal for the final remark. After the Principal's remark it is advanced to the parent institution for further scrutiny and assessment. Action is taken accordingly. Thus the Institution has Performance Appraisal System for teaching and non-teaching staff which aids in improvisation of the standards of the faculty members.
4. In addition to above, the college collects online feedback from students to evaluate teachers' performance. The feedback is analyzed and report is prepared and if necessary action is taken.
5. Teaching diaries of teachers are checked by Head, IQAC coordinator and Principal.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Institution conducts internal and external financial audits regularly.

Mechanism for internal Audit and External Audit is as follows.

Internal Audit: Internal audit is a continuous process which ensues after each and every financial transaction. The auditor is appointed by the parent Institution PDEA.

- The audit takes place at two levels viz. receipt and payment.
- The receipts of the fees collected from the students are checked by the auditor.
- The official letters, official funds collected, and Bank statements are checked by the internal auditor.
- Donation receipts are also checked by the auditor.
- At payment level the account of the purchase bills is entered in the tally system, vouchers are created which come under various ledgers.
- The payment vouchers are signed by the Accountant, office superintendent and finally the Principal.

- These vouchers are checked by the auditor and cheques are issued to the concerned parties. And this is again verified and checked by the tally system.
- The Audited Accounts Statements of the funds received from BCUD under the Student Welfare scheme and for organizing seminars are re audited by the University.

External Audit: The external audit takes place annually after the completion of every financial year. The Chartered Accountant, who works as an auditor is appointed by the parent institution PDEA.

The program goes on for 8 to 15 days during the month of May.

The external auditor checks Accession records at three levels viz.

- 1) The checking of Accession record of the library.
- 2) All the purchase records & dead stock of the laboratories.
- 3) The dead stock and equipment of the gymkhana

The nature of the payment is categorized into

- 1) Revenue Expenditure
- 2) Capital Expenditure

This is also checked by the auditor.

The bills and vouchers of the revenue expenditure is checked. The vouchers and proper record with the concerned Department of the capital expenditure is also checked and verified.

Departmental Accession Register, Dead Stock Registers/Purchase Registers are physically checked. After final checking of records, the external auditor signs the receipts and payment.

For the grants received from the UGC, DST-FIST, DBT-STAR, utilization certificates are prepared according to the allowed expenditure under various heads. This is duly checked by the CA and submitted to the corresponding authorities. This is also audited by the external auditor nominated by PDEA.

Statutory external audit and assessment of Income-Expenditure and Receipt-Payment is also done by the Auditor General of the Government of Maharashtra periodically after every five years.

Audited statements of Utilizations of DST-FIST and DBT-Star are also uploaded on PFMS portal.

File Description	Document
Any additional information	View Document

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

last five years (not covered in Criterion III) (INR in Lakhs)

Response: 36.29

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

2017-18	2016-17	2015-16	2014-15	2013-14
12.82819	7.90925	3.98211	5.8211572	5.75020

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	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:

The college is permanently affiliated to Savitribai Phule Pune University (SPPU), Pune and follows the rules and regulations of Government of Maharashtra. The college mobilizes funds for its regular activities and development from different agencies and individuals. The mobilized fund is optimally used by the college.

Sources of funds:

- Salary and non-salary grants from Government of Maharashtra.
- General development grants, additional assistance and financial assistance for different schemes from UGC.
- Financial assistance from DST for DST-FIST scheme.
- Financial assistance from DBT for DBT-Star college scheme.
- Financial assistance received from SPPU under quality improvement program for seminars, workshops, expert lecture series.
- Financial assistance received from SPPU for sports development.
- Financial assistance received from SPPU for Earn and Learn scheme and NSS.
- Financial assistance received from UGC for B. Voc. Courses.
- Research Project grants from UGC, ICSSR, BARC and Board of Development, SPPU.
- Financial support from industries and individuals
- Fees collected from students in non-aided courses.
- Examination grants from SPPU, and financial assistance received under SC/ST/OBC and EBC scholarships from government.
- Fees received under consultancy services.

- Building rents received for conducting various examinations like CA, CPT, RPF, ICWA, B. Lib, MBA(YCMOU), MPSC, UPSC, AICITSC, JEE examination, etc.
- The Parent Institute PDEA also contributes major capital for construction purposes.
- Alumni contribution to the college development.

Utilization:-

Pune District Education Association, the governing institute of the college has well formulated strategies for financial and infrastructural policy of the colleges governed by it. The management of PDEA ensures effective and efficient use of financial resources by its colleges and set up a proper auditing mechanism. Budget of the college is prepared every year by the college and approved by the PDEA.

The funds received to the college are utilized properly. Financial assistance received under UGC schemes utilized as per guidelines of UGC and utilizations are submitted and NOC are taken. DST-FIST grant is utilized for purchasing of equipment and setting up of central laboratory and utilization is submitted to DST and approved by it. The grant under DBT-Star college scheme is utilized for teaching-learning purposes as per guidelines and utilization is submitted to DBT and approved by it. The grants received for research projects are utilized as per guidelines and audited utilizations are submitted to respective agencies. Grants received for B. Voc. Courses are used to start the courses, setting up of new laboratories and payment to teachers. Fees received from students are used for development of the college, non-grant faculty and staff salaries, and are properly audited. Library services and Sports services are strengthened. Laboratories are augmented and IT infrastructure is increased. Number of workshops and seminars are organized. National and International conferences are organized. Guest lectures, field trips, industrial visits are organized for students. Physical and Academic facilities are augmented for students. Use of technology in teaching-learning process has been increased. Maintenance of academic and physical facilities are carried out regularly. For each and every financial transaction proper permission is taken from CDC and management of the college.

File Description	Document
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 was constituted in college in 2004 to ensure clarity and focus in college functioning towards quality enhancement through different strategies. The IQAC was constituted to develop an awareness system for consistent improvement in the overall performance of institution related to academics and administration. During the post-accreditation period, it channelized efforts and measures towards promoting holistic academic excellence.

Example 1:

Practice: Initiating skill based interdisciplinary courses.

Goal: To enhance varied skills amongst students to increase their employment and entrepreneurship.

Context: The IQAC focused on the need to initiate short term/ add-on, and vocational courses which would boost the skills of the students, thus empowering them for employment. The college also organizes hands on training workshops for students to enhance their technical skills.

Process:

The college introduced short term courses viz. GST, E-taxation, ERP9.0/Tally, Spoken English, Plant tissue culture, Enhanced Java, Web designing, Mobile repairing, Marathi Typing, Modi script, Pharmaceutical Analysis, Electrician and Medical Lab techniques in the last 5 years to meet the market demands and students' holistic development. Professionals, subject experts, guest speakers from the respective fields were invited to conduct these courses. Vocational degree courses like Food science and Technology, Software Development, Interior Designing, and Automotive Electronics were also introduced with purpose of augmenting opportunities for employment and entrepreneurship.

Evidence of success: These courses received good responses from students thus facilitating the creation of a learner-centric environment conducive to quality education.

Example 2:

Practice: Paperless documentation by IQAC

Goal: To compile Digitalized documentation for academic and administrative purposes using modern technology and minimal use of paper.

Context: To create awareness regarding environmental concerns, the IQAC propagated maximum digitalization and minimize paper work. IQAC developed a paperless system using google drive for collection of Profile of the Department, reports of committees, co-curricular and extra-curricular activities, IQAC meetings, Students' weekly attendance and Teachers records.

Process:

- **Blank formats** are shared with heads of the departments and chairmen of the committees who share it with subordinates. All the information is filled online by the respective faculty. IQAC track the progress of the filled information.
- **Folders** are shared with faculty members wherein they have to upload their documents viz. e-copies of all certificates, Appointment letters, University approvals, Bio-Data etc.
- **Google forms** are used to collect feedback on the subject wise curriculum from the students, teachers and alumni.
- **Google sheets** are provided to departments and faculty for collection of information of research publications, books etc.
- Annual reports of all the departments, committee reports, Individual achievements, Reports of all the Activities, Result Analysis are all saved on google drive.
- Notes, study material, references, projects, assignments, video clips, films are shared through google classrooms with the students. All information regarding exam dates, notices etc. are mailed

to the students.

Evidence of success: Usage of paperwork has been considerably minimized. Staff and Students have become techno savvy. A major transition is evident in the attitude of the students as well as the faculty with the increased use of technology for participatory teaching and learning.

File Description	Document
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

Response:

One of the main functions of the IQAC is to review the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals. The IQAC is committed to learner centric approach regarding teaching learning progression and has designed the policy to assess and evaluate it intermittently. Accordingly, it provides support and guidance to the faculty. Teaching, Learning activities are improvised, modified after taking the review, suggestions are implemented as per the needs.

The IQAC has designed graduate attributes like academic excellence, communication skills, personality development, leadership and global citizenship. To achieve learning outcomes, the IQAC periodically reviews teaching learning process and suggests gradual and regular expansion, upgradation and addition of the requisite material, equipment, infrastructure etc.

This process is prominently evident through the following 2 examples.

Example 1: Implementation of outcome based education and attainment of learning outcomes

To enhance teaching learning process and to keep a tab on the learning outcomes, the IQAC implemented Outcome based Education and designed Continuous Internal Assessment Strategies for monitoring the POs and PSOs. Through deliberations, each department of the college has prepared course outcomes, programme specific outcomes and programme outcomes. For this purpose, the IQAC prepared Academic policy of the college which includes Policies for conduction of theory courses, practical courses, Continuous Evaluation, and Monitoring of Academics. This academic policy is communicated to faculty. The strategies for attainment of CO, PO and PSO are prepared and communicated to teachers for implementation.

Through the academic policy the following measures are taken:

- Academic calendar at college level and department level are prepared. Separate academic calendar for continuous internal level is prepared every year.
- Teaching diary is prepared for curriculum delivery planning by every teacher for activities

throughout the year.

- Week-wise academic planner is prepared by every teacher.
- Session plan is prepared by each teacher for every lecture which includes objective of the topic and intended outcomes as well as level according to Bloom's taxonomy.
- Continuous evaluation sheet for each practical session and project are introduced.
- Course outcomes, Programme outcomes and Programme specific outcomes are designed by each department and CO based Internal examination question papers are set to evaluate attainment.
- Course File is maintained by every teacher which comprises of the Academic planner, academic calendar, vision, mission of the Department, teaching plan, session plans, syllabus, study material, attendance record of the students, question papers of previous years (term end and university), CO, PO mapping, report of Course end survey etc.
- Training sessions were arranged on CO/PSO/PO and their assessment strategies for teachers.
- Through attainment sheets, attainment of CO, PSO and PO are evaluated.
- Course end survey and Programme end survey for students are introduced, collected and analyzed.
- Content beyond syllabus is identified and extra lectures are conducted for attainment of PO and PSO.
- Academic policy contains guidelines for Conduction of Lectures; Conduction of Tutorials, Homework, Assignments; identification of slow and advanced learners.
- Responsibilities of Principal/HOD, teachers and Mentors are stated in the academic policy.
- Guidelines for co-curricular and extra-curricular activities are given in the policy.
- Feedbacks on curriculum in specified formats are collected, analyzed and reports are prepared for further action.

IQAC and Outcome based education committee reviewed above process regularly by interacting with teachers and students and necessary measures are taken to improve it.

Example 2: Gradual increase in the use of New Technology for Teaching –learning enhancement.

On the basis of the feedback received from faculty and students during the last five years it was envisaged that there was a need for introducing the usage of new technology for teaching-learning process. Taking this into account, the IQAC has taken efforts to improve the facilities:

- Training sessions on ICT were arranged for teachers.
- Internet and WI-FI facilities were improved gradually to 110mbps.
- LCD projectors/TV were installed in classrooms and laboratories.
- Computer data loggers with sensors were made available for teachers and students in laboratories for better experimentation and conceptual understanding.
- MATLAB, Lab View and other software were made available for students.
- Faculties were encouraged to develop simulations, animations and other learning materials and the outcome is promising to the college.
- For online resources to be made available for students, the college is collaborating with Amrita Virtual Lab, SWAYAM-NPTEL and IIRS Outreach Programme on Basic of Remote Sensing, Geographical Information System & Global Navigation Satellite System.
- Projects were assigned to students to develop ICT based teaching-learning materials.
- Learning management system is introduced through Moodle and Google classroom.
- Online feedback system is introduced for feedback on curriculum, teaching learning which is analyzed and the consequence is discussed with the respective teachers.

Outcome: The Use of upgraded and modern technology enables the students to be at par with the current times and make creative use of technology in their learning and professional lives. Students are using Virtual labs, pursuing for NPTEL and IIRS-ISRO online courses. They are therefore ready to face the challenges and the market demand at the global level.

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

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 22.2

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
31	19	22	23	16

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Any additional information	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle) Post accreditation quality initiatives (second and subsequent cycles)

Response:

The college was reaccredited in the 2nd cycle of NAAC in February 2014. After analyzing recommendations of Peer team, the college implemented different initiatives for incremental improvement in quality.

Following are the conscious quality initiatives taken by the college:

Addition of new courses:

For horizontal mobility, diversification and opening up skill based avenues for students, the college introduced new programmes and courses

- BCA(Science);
- B. Voc. (Software Development, Food Science and Technology, Interior Designing and Automotive Electronics),
- B. Sc. (Mathematics),
- PG diploma in Taxation Law,
- PG Diploma in School Psychology,
- Ph.D. and M.Phil. in English, Hindi, Chemistry, Botany, and Physics,
- Introduction of CBCS for all PG programs,
- Innovative **short term and add-on courses** like Hindi and Marathi Typing, Enhanced Java, Diploma in Pharmaceutical analysis, Plant Tissue Culture, Medical Laboratory Techniques, Mobile Repairing, Web designing, E-Taxation and Filing IT returns, GST, Electrician, Basics of Stock market, Personality Development, Indian Constitutional Process.

Effective use of ICT in teaching and learning:

For effective use of ICT in teaching and learning following initiatives are taken

- Gradually improved internet speed to 110 mbps
- Latest copies of Microsoft Windows and MS office.
- Purchasing of new software like LabView, MATALB. Chemdraw software and Chemlabpro v2.5 animation software, JAWS software for blind students, DLM software for language lab.
- Purchasing of new computer interfaced experiments like Einstein Labmate and Einstein Tablet with voltage, current, light, temperature, pH, turbidity sensors for interfacing and computing, Labquest mini interface with software and sensors for physics experiments, Scientific SMM5054C Digital Multimeter interface with computer. BH curve computer interface.
- Introduction of Vitrual Laboratories for science students.
- Free software such as Gamess/Firefly is used for quantum mechanical calculations. Audacity software is used for computer interfacing in science experiments.
- Addition of new computers.
- Improvement in number of ICT enabled classes.
- Introduction of Moodle and Google Classroom as LMS
- Establishment of SWAYAM-NPTL local chapter for online courses
- LCD TV/LCD projectors are installed in laboratories as well as have LAN with internet connectivity for students and teachers.

Infrastructure augmentation:

- Renovation of Physics, Chemistry, Botany, Zoology, Geography and Computer Science laboratories.
- Setting of new laboratories for B. Voc. Food Science and Technology, Software Development, Automotive Electronics.
- Establishment of ICT facilitated room for Visually impaired students.
- Increase in number of classrooms.
- Renovation of Library and setting up of New AC study room
- Purchase of new equipment for laboratory practicals.
- Installation of CCTV cameras in the college campus.
- Installation of 40 KW solar photovoltaic power plant.

Research:

- Addition of research centres in Physics, Chemistry, English, Hindi.
- Establishment of material science lab, tissue culture lab and common facility centre using DST-FIST grants.
- Purchase of research equipment like, TGA-DTA, Atomic Absorption Spectroscopy, UV visible spectrometer, MATLAB software, LabView software, AAS, Spray Pyrolysis, PCR etc.

Other activities:

- Organization of 4 international conferences like, Frontiers in Life Sciences and Earth Sciences, 19th and 20th Jan 2018.
- Organization four national conferences and eight state level conferences.
- Strengthening of Placement services.
- Establishment of IPR cell.
- Introduction of online feedback on curriculum and other services from stakeholders.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 21

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	4	8	4

File Description

Document

Report of the event

[View Document](#)

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

- 1. Safety and Security**
- 2. Counselling**
- 3. Common Room**

Response:

The college a co-education institute having nearly 50% girl students. The college is sensitive towards gender equality of its students and always try to make different facilities available for them. Concerns regarding security and safety are addressed by the college through different means.

1. Safety and Security:

Protected Campus: The college campus is fully fenced and trespassers are not allowed without permission.

CCTV Surveillance: The campus has 18 CCTV cameras fixed at various locations and complete area of college campus is covered. The footages are monitored in Principal's office. The CCTV footage backup of 30 days is available to monitor.

Security Staff: There is 24 hours' security in the college. The security is managed by duly appointed security guards. This ensures the safety of the students specially girls and staff. Security related problems

are handled by security and college discipline committee. Complaint box installed in the college and follow up taken by Student Grievance committee. Helpline number is provided of Marshall which round up the campus every week.

Student Welfare Committees: Under the Board of Student Welfare various awareness programmes are arranged regarding Personality Development programme for girls, Nirbhay Kanya Abhiyan includes Self Defense Training, Physical Hygiene and Emotional Counseling etc.

Other Committees: Women Redressal Cell and Anti-Harassment Committee organize various programme for woman Empowerment like HB checkup and Rubella Vaccination camps and Complaint box installed with the coordination of local police. These committees organize programs related to gender sensitivity.

2. Counseling:

Counselling Cell: The Counseling cell addresses the problems related physiological, emotional, social and family issues, stress related to study and phobia etc. Our college counseling cell works under the guidance of the Head, Department of Psychology. These services are freely available to the students and focuses mainly to the girl's students.

Staff and Teacher: Non-teaching staff help students and create healthy relations with students and provide counselling regarding their queries of admissions, scholarship etc. Teachers provide career and personal counseling to perform students better in their career as well as academics. Special attention is given to the girl students as these students are from rural and semi urban background. In case of major issues staff and teacher refer the student for counselling cell. Mentor system is implemented in the college under which teachers are allotted students to mentor for academic and personal counselling.

Counselling Workshops: Student Development Committee organizes programs of premarital and emotional counselling in collaboration with the Psychological Department under the Nirbhay Kanya Abhiyan. Self-defense workshops are arranged for girl students. Special programmes for counselling and personality development are organized by Nehru Yuva Kendra, Sanvadini Group of Dynanprabodhini, Rotary Club, Lions Club etc.

3. Common Room:

College provided separate common rooms for girl and boys students. One lady and gents non-teaching staff monitors the area for discipline in the common room. Every common room has the seating capacity of 50 students each. Restroom is provided in emergency which is well equipped, bedding and first aid box etc.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy

sources

Response: 73.52

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 49320

7.1.3.2 Total annual power requirement (in KWH)

Response: 67085

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 90

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 24521

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 27246

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Solid Waste Management:

For the collection of waste, separate bins are kept. For the disposal of books, book bank system, reader club, book recycling is evident by library. For the recycle/reuse of used paper collected and used both sides for office purpose. Garbage is segregated into wet and dry bins and disposed to Pimpri chichwad Municipal Corporation. Canteen wet garbage is disposed in vermiculture plant. Canteens use degradable and washable plates. "Reprocide, Sanitary Napkin Destroyer" is installed in ladies' washrooms for incineration of used napkins. The waste paper is given to the authorized vendor Trimurti Waste Paper Pune for reuse and pulping. The waste material and scrap like packaging sheets, wrappers, plastic waste and broken furniture etc. given to authorized vendor for recycling.

Liquid Waste Management: By using standard methods liquid waste is disposed safely. Less scaling of chemicals is minimizing the implementation of chemicals at PG, UG and Research. Neutralization process is used to dilute solutions. Regular maintenance is kept of taps, drainage and water pipelines. Also it is assured that the neutralized liquid should be released in the drainage system.

E- Waste management:

E - Waste collected in Central store and given to Parent Body for reuse or disposal. It is disposed by the approved vendors. To create awareness of e-waste and its management posters are displayed, Lectures, Exhibition, Posters competition and street play competitions are organized in the college campus as well as outside of the campus.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

As a Green Campus initiative the college has implemented rainwater harvesting within the campus for storing and reuse and it has reduced its dependence on water tankers, saving lakhs of rupees every year. The runoff water from the terrace of the college building is channelized into recharge wells of 0.25 m diameter and 30 m depth. The college campus has a well-equipped rainwater harvesting system which recharge two bore wells pit in the campus. As terrace area is 1858 square meters Rain Water Harvesting potential for a year is 1300000 litres in monsoon based on average rainfall of the region of 700 mm. By conveyance pipes to percolation trench underground. After some initial days in rainy season the rain water is collected in tank and provided as distilled water in chemistry and Botany Laboratory through separate pipes for practical purposes.

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

- Students, staff using
 - a) Bicycles
 - b) Public Transport
 - c) Pedestrian friendly roads
- Plastic-free campus
- Paperless office
- Green landscaping with trees and plants

Response:

For green practices faculty, staff and students use following ways:

Bicycle:

As a part of environmental consciousness number of students use bicycle for transportation.

Public Transport:

Every Saturday is **No vehicle day** is executed in the college on which most of the students prefer public transport except 4 per cent of staff and students use vehicles. 76.42% of students and staff use public transport for conveyance. Staff and students use car, two-wheeler and auto-rickshaw pools. Students are encouraged to make conveyance passes and 52.63% use public transport. 19.16% students and staff walk to college. Campus is a Horn Free zone and vehicle movement is restricted.

Percentage of students using different means of transportation:

Mode of Conveyance	2013-14	2014-15	2015-16	2016-17	2017-18
By walk	24.13	20.18	21.13	17.21	13.14
Bicycle	7.30	5.11	4.70	3.25	2.81
Two Wheeler	3.00	3.44	4.58	5.33	6.91
Bus	30.60	34.10	37.65	39.57	45.06
Train	12.28	17.09	14.99	15.69	16.11
Other	22.69	20.08	16.95	18.95	15.97

Plastic Free Campus:

As a 'Swachha Bharat Abhiyan' initiative Campus is already declared **Plastic free**. College as well as canteens is instructed to minimize use of plastic and use of disposable plastic is disallowed. Guest for every programme is also given Jute bags for carrying the material as a green initiative. Boards are displayed in the campus to create awareness. The students and faculty are encouraged to plant more trees and making the campus garbage and plastic free zone.

Paperless Office:

Most of the communication between departments is through departmental email and social media as WhatsApp. Official Information is sent online. College data is stored in hard drives. Photographs are maintained in soft copy. Major Administration processes have been digitized using various software like Vriddhi, ERP software, Tally ERP, ETH, PFMS. Notices are forwarded through Electronic Notice Board and through email or WhatsApp groups of teaching, non-teaching staff and students. IQAC documentation is paperless and google drive is used for communication, sending and storing of documents.

Green landscaping with trees and plants

Initiatives taken by the college to make campus eco friendly

- Nursery is developed by Department of Botany.
- Tree plantation with medicinal plants have been done in the campus.
- Drip irrigation and Sprinkler used for watering to plants.
- Roof top water harvesting.
- Geography Department well equipped with weather instruments.
- Pathnatya (street plays) campaigns for environment.
- Nirmalya dan activity during Ganesh Festival.
- Guests are gifted books and saplings.
- Ecofriendly Garbage disposal demonstrations in Societies by Teachers and students.
- Energy conservation is done by maximizing the use of natural light.
- Watering to plants is done early morning or in the evening.

Following some trees are in the campus

1. *Cycas Revolta*
2. *Zamia*
3. *Wedetia Bifurcata*
4. *Melaluca Golden*
5. *Depsis Decarii*
6. *Howea Fosteriana*
7. *Arecaria Coccii*
8. *Revenia Revularis*
9. *Raphis Excelsa*
10. *Golden Cyperus*
11. *Golden Cyperus*
12. *Hyphorbe Legunicaulis*
13. *Beucarnia Recurvata*
14. *Pheonix Roblenii*
15. *Alpinea Speciosa*
16. *Alpinea Red*
17. *Anthocephalus Kadamba*
18. *Legistromea Indica*
19. *Latenia Lantaroides*

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

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.98

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
5.57050	4.10509	3.24499	1.93971	1.84221

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 74

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
13	19	12	16	14

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 39

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	7	9	10	6

File Description	Document
Report of the event	View Document

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 50

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	9	19	8	8

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

The college has pre decided graduate attributes for students and makes sincere efforts towards these. To get awareness of personal strengths and weaknesses among the students, the college organizes different events and programmes. Through these events student gets a capacity for self-reflection and personal development. To get an ability to engage in meaningful public discourse, with a profound awareness of community needs and understanding of social and civic responsibilities, the college organizes Programmes on Days of National Importance as well as Death and Birth anniversaries of great personalities. The college organizes activities on these days of national importance to recall the events or contribution of our leaders in building the nation.

Programmes are organized on thoughts of great Indian personalities on their birth and death Anniversaries to imbibe moral and ethical behavior of students in their professional and personal lives,

To recognize the contributions and achievements of teachers, every year Teachers day is celebrated on 5th September. Mahatma Gandhi Jayanti is celebrated as Swacchata Din and students get aware about the importance of cleanliness. Birth anniversary of Sardar Vallabhbhai Patel is celebrated as National Unity day. Dr. Babasaheb Ambedkar death anniversary organized as Sadbhavana Diwas. Programmes are organized on Birth anniversary of Chatrapati Shivaji Maharaj to get awareness about his valor and great administrative skills. Savitribai Phule and Mahatma Phule Jayantis are celebrated to give encouragement to students. Dr. APJ Abdul Kalam birth anniversary is celebrated as Vachan Prerana Din to foster and encourage innovation in the young minds. Swami Vivekananda birth Anniversary celebrated as Yuva Din for students to know about him not only as a spiritual leaders of India but also as a prolific thinker and great philosopher. Lokmanya Tilak, Maulana Azad, Rajmata Jijau Maasaheb, Annabhau Sathe, Lal Bahadur Shastri, Indira Gandhi, Ahilyabai Holkar birth Anniversaries are celebrated by organizing various programmes like rally, poster, elocution, Essay and debate competition in the college.

Voters Awareness Day, Constitution Day, Drugs Awareness day, Global Handwashing day, Republic Day, Independence Day, and Universal Brotherhood day celebrated to increase consciousness about national identities and symbols.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

The college maintains complete transparency in its financial, academic, administrative and auxiliary functions.

Financial Transparency:

- Every purchase is made through proper procedure and approval from the management.
- Online tendering process is adopted for purchase of equipments.
- Every year budget of the college is prepared. Expenditure incurred on the item are regularly audited

by the procedure decided by the management and government of Maharashtra.

- Salary payments are made through bank accounts. Remunerations regarding different activities transferred into the bank accounts.
- Accounts of different grants received from various funding agencies are maintained separately and audited regularly.
- Scholarships of reserved category students are directly transferred to their bank accounts.
- Internal and external audit systems are used for auditing of accounts.

Academic Transparency:

- Admission procedure is transparent and carried out as per rules and regulations laid by Savitribai Phule Pune University and Government of Maharashtra.
- Reservation rules are followed in the admission procedure.
- Online admission procedure is used for admissions.
- Academic calendar is prepared every year.
- The workload is allocated to teachers according to the specialization and by the Head of the Department of the respective departments through meetings for the next Academic Year at the end of Academic year.
- Teaching plans are prepared by teachers and implemented.
- Programme outcomes and course outcomes are communicated to students.
- For review of academic activities meetings are held by respective head of departments.
- Academic calendar is prepared for internal evaluation and strictly followed. Results of internal examinations are discussed with students.
- The extra -curricular and co-curricular activities of the college are conducted by the various committees which are distributed according to the interest if the teacher in the specific field.
- All Curricular, Co-curricular, Extra-curricular and Research activities are routed through the IQAC. This ensures transparency at all levels and goes a long way in the smooth functioning of the college.
- Selection procedure of faculty and staff is transparent and as per rules of UGC and government of Maharashtra.
- Online feedback taken from different stakeholders on curriculum every year.

Administration Transparency:

- The college administration is decentralized and different responsibilities are divided among faculty and staff.
- Different committees are formed and the chairman and members are decided according to their interest of work.
- Students and alumni members are taken in CDC, IQAC and some other committees.
- Decisions taken in the meetings are communicated to every stakeholder.
- Development schemes are given to faculty and staff without discretion.

Auxiliary functions:

- Information regarding admissions/examinations are placed on notice boards as well as communicated through email.

- Information regarding campus placement are communicated to students in advance.

File Description	Document
Any additional information	View Document

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice: I

1. Title of the practice: Development of Tools for teaching-learning

2. Objective of the practice:

- To create ICT based teaching material for effective teaching-learning process.
- To develop computer simulations on content of difficult subjects like quantum mechanics.
- To involve students in the development of material through their project work
- To inculcate technological knowledge in students through guidance and participation.
- To make available these materials to students and teachers through distribution, lectures, practical sessions, and publications.
- To encourage teachers to promote innovative pedagogy.

3. The context:

The teaching process consists of three variables in the process of teaching and create learning environment. Teachers is an independent variable, the students are a dependent variable and the content, strategy for delivery and interaction between teacher and students is an intervening variable. It is to be noted that the lecture method continues to be dominant teaching method in Higher Education throughout India. Researches have showed that this method is unable to motivate and inspire students to learn. Richness of content is important for effective teaching and learning. For this purpose, the college through faculty and students is taking sincere efforts to develop teaching learning material using technology. The faculties are taking quality-conscious efforts to produce these materials for its efficacy and reliability. The development of these materials are connected with the modern principles, theory of instruction and principles of programmed learning. The material consists of innovative experiments, simulations, animations, and virtual laboratory.

4. The Practice:

In an era of rapid development of technology, computer science has opened many opportunities for educators for the integration of Inquiry Based Learning (IBL) in teaching. It has created a platform to promote the development of methodological skills and competencies, investigation through experimentation, teamwork and communication among students through collaborative activities. The

college is encouraging the develop new training modules/methodologies/ equipment/ devices for students. At every stage of development, the faculty members have taken help of students.

Innovative Experiments: Following is the list of innovative experiments developed by faculty with the help of students:

- (1) Computer interface experiment on Kinematics,
- (2) Computer interface experiment on Freely falling body,
- (3) Computer interface experiment on Physical Pendulum etc.
- (4) Construction and working of Galvanic Cell
- (5) Photocatalytic reactor
- (6) Determination of equivalent weight of KMnO_4
- (7) Synthesis of azo dyes
- (8) GIS mapping of botanical plants
- (9) NCBI database for gene mapping
- (10) Potentiostat
- (11) Gas sensor
- (12) High temperature conductivity

Scientific Experiments using Computer is an effort to explain to students how a computer is useful in measuring physical parameters and thereby controlling a process by feedback mechanism.

Virtual Lab: Following are the virtual labs developed

- Simple Harmonic motion
- Simple Pendulum
- HPLC

Computer Simulations: Faculties of Physics, Chemistry and Mathematics have developed computer simulations on different topics and they are used for teaching-learning purposes.

- Quantum Mechanics: Wave function, probability density curves, Uncertainty principle for particle in infinite potential well and harmonic oscillator. Wave group. Perturbation theory for Harmonic Oscillator and infinite deep potential well, qubits and quantum computation.
- Waves and Oscillations: Potential energy functions, Spring mass system, simple pendulum, Doppler effect, damped oscillations.

- Electrostatics: Coulomb's law, superposition principles, polarization.
- Chemistry: HPLC, chromatography, symmetry, Bohr's atomic model.
- Mechanics: Projectile Motion
- Mathematics and Statistics: Graphical representation of Complex number Algebra, Slope of single variable functions, Trigonometric functions, Modulus function, Graphs of multiple representation of function, Numerical integration, Differentiation, chromatography, Graphical illustration of n -d definition of a limit of a function, t-test software.
- Computer Science: Image enhancement, image filtering, morphological operations on image, and image segmentation, Basic operation on fuzzy set and relation.

Computer Animations:

Newton's laws of motion, Electrostatics, dielectrics, HPLC, Atomic Absorption of Spectroscopy, Animation package on Spectroscopy, vector product, Atomic models etc.

E-Books data base: Commerce and Computer Science department has developed database for freely available E-books. In this database, list of more than 1000 e-books with web links is provided.

In addition to these, there are number of PowerPoint presentations are developed.

- In the development of these materials faculty as well as students are involved. Some experiments/simulations/animations are developed by faculty.
- Some experiments/simulations/animations are developed by students as a project work under the supervision of faculty. Care has been taken to make these materials scientifically perfect and reliable.
- These tools were used in the classroom/laboratory for teaching purposes. The tools provided to teachers and students for their study. Some animations are uploaded on websites like slideshare.net. Video lectures of some experiments/animations are prepared and uploaded on YouTube.
- In Physics and mathematics, effect of simulations on students understanding was studied.
- Faculty of the college acted as resource persons in different workshops in different colleges and presented their work in ICT for teaching and learning.

This practice consists of enhancing students' knowledge in the subject as well as technical skills with instruction and exposure to realities in the world.

5. Evidence of Success:

- The use of simulations and innovative experiments showed positive effect on students understanding of concepts. The results were published.
- Two faculty members S. U. Tapare and L. V. Rane have received PhD degree on this work in last five years.
- Number of research papers published in International Journals. Link
- Faculty members Dr. P. S. Tambade and L. V. Rane presented separate papers on their work in **E-Learn 2013** – World Conference on ELearning in Government, Corporate, Health care and Higher education held at **Las Vegas, Nevada, USA** from 17th Nov. to 21st Nov. 2013.
- Dr. S. U. Tapare presented paper "**Understanding of Undergraduate students of Calculus in Co-operative learning using CES**" in the 'The Sixth International Conference of MIT's Learning International Networks Consortium (LINC)-2013' **Massachusetts Institute of Technology (MIT)**,

Boston USA, 16/06/2013 to 19/6/2013.

- Number of students have successfully completed project work for B.Sc. and M. Sc. Examinations
- Animations and video lectures are uploaded on websites

6. Problems encountered and Resources Required:

Problems encountered:

- Most of the students admitted in the college have very less or no knowledge of computers or computations.
- Most of the students were unaware about multiple uses of MS PowerPoint or MS Excel and programming languages. Faculty have to train them before allotting projects.
- Time constraint is one of the problem since to develop any very good material takes lot of time.
- For development of experiments some electronic components are required and that are not available in the local market.

Resources required:

- Softwares are required to develop simulations and animations.
- Internet facilities required.

7. Note (Optional):

The college have provided number of softwares like MS Office (Licence Copy), MATLAB, LabView for teachers and students.

Computing system and internet connections are made available for students.

Lecture capturing system is developed in the college.

[https://s3.us-](https://s3.us-east-2.amazonaws.com/rmmoreone/IQAC/IqacOther/29/Creativity%20and%20Innovation_upload.pdf)

[east-2.amazonaws.com/rmmoreone/IQAC/IqacOther/29/Creativity%20and%20Innovation_upload.pdf](https://s3.us-east-2.amazonaws.com/rmmoreone/IQAC/IqacOther/29/Creativity%20and%20Innovation_upload.pdf)

Best Practice II

1. Title of the Practice: Gramonnati Programme

2. Objectives of the Practice:

- To prepare a database of water sources, plant and animal biodiversity and health index for public awareness and submission to authorities.
- To sensitize students towards environment of different villages in Pune District.
- To save dying species of plants and animal by creating awareness among villagers.
- To make awareness among parents in villages about Vitamin A deficiency among primary school children.
- To provide students an exposure to contemporary socio-economic, cultural, environmental, biological, political realities in rural area.
- To cultivate in students, the spirit of an active involvement in community services through

surveying the conditions in villages.

3. The Context: The Programme Officers of the N.S.S. unit visited the villages in rural areas of Pune district were shocked at the destruction in biodiversity, water pollution and environmental degradation. These villages are in the vicinity of Pune and Pimpri-Chinchwad industrial area and are facing above problems. The college decided to conduct base line socio economic survey, water and soil survey, energy survey, plant diversity survey, animal biodiversity survey, Survey for Prevalence of Vitamin-A Deficiency and Health Index of Primary School Children, cultural and political survey of the village. Since the villages are in the proximity of the college, it was decided to survey these villages in above context and adopt these villages for interactions and awareness through camps.

4. The Practice: It was decided to focus four areas for surveys: socio-economic status, plant and animal biodiversity, water and soil resources through testing, energy use, health index of primary students. The faculties were selected for the conduction of surveys. Students were selected in groups according to their interest for surveys. In each group two or three teachers and 10 to 15 students were involved for the surveys. In the year 2013-14 surveys were conducted at Karmoli, Tal-Mulashi, in 2014-15 at Donje, Tal-Haveli, in 2015-16 at Dapodi, Tal- Daund, in 2016-17 at Javalarjun, Tal-Purandar, in 2017-18 at Yelgol, Tal-Maval. Protocols were formulated for surveys. Following activities were conducted.

- First group took socio-economic survey in which information about literacy rate, women status, male-female ratio, child-women ratio, gender ratio, income sources, dependency ratio, standard of living, and occupational characteristics was collected.
- Second group collected water samples from different resources and soil samples from different places present in the villages for laboratory testing.
- Third group collected information about information of plants and their types for classification.
- Fourth group collected samples from aquatic ecosystems for studying of animal biodiversity.
- Fifth group collected information about usage of energy resources in the villages.
- Sixth group visited primary schools and checked body mass index and vitamin-A deficiency.
- After studying samples in collected in the survey each group had prepared a report on the survey.
- The water and soil samples collected were tested for pH, hardness, nitrogen, phosphorous and potassium in the laboratory and detailed reports were prepared about contents in the samples.

After the preparation of reports on the basis of surveys, the NSS camps were arranged in these villages. In these camps awareness activities were conducted by NSS volunteers, Programme Officers and faculty about finding of the surveys.

The survey reports were also submitted to village authorities like Sarpanch, Talathi, gram-sevak, Block Development officer of the area and Board of Student welfare, Savitribai Phule Pune University, Pune.

5.Evidence of Success:

- From the socio-economic survey it was observed that there are problems and challenges in educational and health facilities. There is very less infrastructural developments in these villages though they are in the vicinity of industrial area.
- It was observed that natural flora found in and around the villages may have been affected by building construction projects and natural flora is affecting by social forestry program planting the trees like *Gliricidia* and *Eucalyptus* and invasive weeds.
- It was observed that in these villages there is open drainage system which is creating sewage

problem and pollution of water. There was accumulation of mosquito larvae that leads to various diseases like malaria, dengue, pneumonia etc.

- It was observed in the surveys that in these villages on an average 39% prevalence of Vitamin-A deficiency among children and 37% of children had chronic energy deficiency while in average 25% are under-weight.
- It was observed that about 90% households were using LPG gas connections and 95% are using CFL bulb. Usage on non-conventional energy sources like solar energy is very less.
- Students were actively participated in these surveys and awareness programmes through camps.
- The participating students got awareness of situations in villages.
- Reports prepared were submitted village authorities like Sarpanch, Talathi, gram-sevak, Block Development officer of the area and Board of Student welfare, Savitribai Phule Pune University, Pune.
- The college received University Level Best National Service Scheme (NSS) College Award in 2013-14.
- The college received Best National Service Scheme (NSS) Unit form Government of Maharashtra in 2014-15.
- The college received Best National Service Scheme (NSS) Unit from Savitribai Phule Pune University in 2014-15.
- The college received Best College award for Board of Student Welfare from Savitribai Phule Pune University in 2015-16.
- Dr. Savita Sunil Kulkarni (NSS, Programme Officer) received State Level Best Programme Officer Award from Government of Maharashtra.
- Dr. Bejamee Gregory Lobo, received Best Student Welfare Officer award from Savitribai Phule Pune University in 2015-16.
- Dr. Sudhir Suresh Borate received Appreciation Award for NSS from Savitribai Phule Pune University, Pune in 2017-18.

6. Problems Encountered and Resources Required:

Following problems were encountered:

- Previous studies of these villages were not available for comparison of findings.
- The survey teams encountered a lot of pessimism among villagers.
- On field testing of water and soil samples were not available, the faculty have to bring the samples in laboratory.
- Apathy of authorities towards findings.
- Follow up activities for full year was not possible due to lack of time and finances.

Resources required:

- On field testing equipment for water and soil testing.
- Medical expert assistance for vitamin-A deficiency detection and its remedies.
- Financial assistance for follow up activities.

7. Note (Optional)

Please see the link

[https://s3.us-east-2.amazonaws.com/test-rmc-bucket/Naac/Document/1/3.4.1%20\(b\)%20Extension%20activities.pdf](https://s3.us-east-2.amazonaws.com/test-rmc-bucket/Naac/Document/1/3.4.1%20(b)%20Extension%20activities.pdf)

<https://s3.us-east-2.amazonaws.com/rmmoreone/Naac/Document/1/7.2.1%20Survey.pdf>

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

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The college in its vision has stated that it will provide excellent infrastructure with advanced technological facilities at college for teaching-learning and research. Over the years in addition to physical facilities, the college had taken conscious efforts to introduce technology in teaching-learning and efforts to augment research infrastructure by purchasing research equipments. The main focus of the College is to provide not only quality education but also provide research facilities to the socially and economically weaker sections of society. Following are the distinctiveness areas of the college.

Technology in Teaching-Learning:

According to its vision, the college has introduced high class technological methods of teaching and learning by providing the students with latest information technology facilities.

Following is the list of some quality equipment and software provided to students:

1. Computer interfaced Millikan's oil drop equipment.
2. Computer Interfaced experiment for BH curve.
3. Computer Interface experiment for Newton's ring.
4. Labquest mini with Vernier software for Linear Air-track.
5. Science Cube mentors with voltage, current, force, distance, moisture, light, RGB, pH, turbidity sensors (Korea made).
6. Einstein Labmet and Tablet with voltage, current, moisture, light, RGB, pH, turbidity, temperature, force, turbidity sensors (Israel made).
7. Computer interfaced Zeeman effect apparatus.
8. Digital storage oscilloscopes (Textronix).
9. Electronic spin resonance and Frank Hertz experiment.
10. Clarity software for Language Lab.
11. JAWS talking Screen reader software for visually impaired students.
12. DLM software for Language Lab.

13. Scientific SMM5054C Digital Multi-meter interface with computer
14. Yorco Automatic Tissue Processor
15. Global Mapper (GIS Software)
16. Weather station
17. Tally ERP 9.0 software

In addition to these, there are other equipments also present. The funds received under special assistance programme from UGC, DBT-STAR college scheme and DST-FIST scheme are used to augment teaching-learning facility. The college has made available computers, LCD projectors and TVs, Internet/Wi-Fi facility for students. Introduction of number of Computer interfaced experiments is the distinct identity of the college in teaching-learning as compared to other colleges in affiliating University area. These equipments are used for teaching-learning and practical purposes. Scientific Experiments using Computer interface is an effort to explain to the students how computer is useful in measuring and controlling physical parameters and processes. In this modern age, use of technology in the classroom and laboratories make learning student centric. Through these students get acquainted with computing facility and improve their technological skills. Number of students have completed their project work using these interface experiments. Some students have developed equipment as their project work. Teachers and students use these experiments for research purposes also. The college have number of students as rank holders in University exams and received 7 gold medals.

The college is recognized as nodal center of Amrita Virtual Laboratory and local chapter for NPTEL to facilitate teaching and learning activities. Amrita Virtual Laboratory is used by students and faculty and within short period of time it is recognized in top nodal centres in India.

Technology in Research:

The college has developed central research facility. Here we provide list of high quality research equipments that are purchased:

1. TGA-DTA (Simadzu, Japan)
2. Atomic Absorption spectroscopy (Thermo-scientific)
3. HPLC
4. Gas chromatography
5. Double beam UV-visible spectrophotometer (Simadzu)
6. LabView software with interface
7. MATLAB software for scientific computing
8. PCR
9. Spray Pyrolysis apparatus for material science
10. Semi-Automatic Microtone
11. Rotary evaporator
12. Biosafety Cabinet
13. Inverted Microscope

In addition to these, the college faculty through their innovations have developed low cost equipments for research these include **gas sensor, photoreactor, cyclic voltameter, high temperature DC conductivity, spin coater, source meter for photovoltaic measurement of solar cells**. These developed equipments have been used for research purposes. Faculties have published research articles in reputed international

journals. These developed equipments are also used for students to carry out their research work for M. Phil./Ph. D. The college have developed research Lab in Tissue culture with all facilities.

The college has received funds from DST, DBT, and UGC for augmentation of research facilities in campus. College has successfully implemented the activities under DBT-Star College Scheme and DST-FIST scheme.

These efforts in introducing specialized modern infrastructure and technology have strengthened the research with quality learning experience.

- The college has eight M.Phil. and Ph.D. research centres in Economics, Commerce, Geography, English, Chemistry, Zoology and Botany, PhD centre in Hindi, and M. Phil. in Physics, affiliated to Savitribai Phule Pune University (SPPU). These centres are conducting quality research and contributing towards generation of new knowledge for society. The college has wide range of research programmes and leading college in the Pimpri-Chinchwad Municipal Corporation area.
- 6 students are receiving NET-JRF scholarships for PhD.
- Students have presented research papers in national and international conferences.
- More than 200 students have awarded the M.Phil. degrees and more than 50 students completed their Ph.D. Degrees since from research centres.
- The faculty and students have published more than 200 research papers in standard journals with impact factors and UGC approved journals.
- Consultancy is provided to research scholars and industry in TGA-DTA analysis and AAS.
- Over last five years, the College has 28 research guides recognized by Savitribai Phule Pune University and considering the demand of the students of the research guide more than 75 guides are associated with the research centers from the different colleges of the SPPU.
- During last five years, the faculties have 19 completed or ongoing research projects supported by different funding agencies viz. DST, UGC, BARC, and SPPU.
- Number of reference books essential for research are purchased from funds available from above mentioned schemes.
- Students and teachers participated in research competitions like AISHKAR and received awards at Zonal, University and state levels.
- Due to wide range of research programmes, the SPPU sanctioned funds to organize International Conferences. The college has successfully organized

1. International conference "New Frontiers in Environmental and allied Sciences" from 15.02.2019 to 16.02.2019.
2. International Conference on Frontiers in Life and Earth Sciences (FLES 2018) from 18.01.2018 to 19.01.2018.
3. 16th International Interdisciplinary conference from 08.02.2019 to 09.02.2019.

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

5. CONCLUSION

Additional Information :

- The college established in June 1992 by Pune District Education Association, Pune.
- Catering education through 21 UG, 13 PG with 8 PhD and 8 M.Phil. Research centres
- The college is recognized under 2 (f) and 12 (B) by UGC Act.
- In the last five years, the college has introduced 25 Short Term Skill Based courses.
- The college is recredited by NAAC with B grade in February 2014.
- Choice Based Credit System is implemented for B. Voc. BCA(science) and all PG programmes,
- The Best College Award by Board of Student Welfare of S. P. Pune University in 2015-16.
- The college has recognized under DST-FIST and DBT-STAR College scheme.
- The College received Best NSS unit awards from S. P. Pune University and Government of Maharashtra.
- The college has conducted Green and Energy Audit.
- The college has ICT enabled Classrooms facility for teaching-learning with 100 mbps Wi-Fi facility.
- INFLIBNET, DELNET, CSI e-journals facility is available.
- The college is local chapter for online NPTEL courses for students and teachers.
- The college is nodal centre for Amrita Virtual Labs.
- The college has registered Alumni Association and contributed significantly for the college development.
- English Language Laboratory and Audio visual facility with JAWS software are made available.
- The college has established computer interfaced experiment facilities in the laboratories.
- The college has installed 40 kWh Grid connected Solar Photovoltaic Power Generation Plant.
- The college has established IPR Cell, Innovation and Incubation Centre.
- The college organized International and National conferences.

Concluding Remarks :

Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi was established in the year 1992 which is run by Pune District Education Association, Pune. Over the two decades of its establishment, the College has received many prestigious awards and recognitions. The college through its various academic research and extension activities has come up as a leading institute in the Pimpri-Chinchwad area. The College has made sincere efforts for the overall development of the students with the motto of "Bahujan Hitay, Bahujan Sukhay". This initiative taken up by the College has resulted in an increase of student enrolment from few hundred at the time of inception to over 5000 today. The college is well aware of the importance of need based regional, national and global level studies. Focusing on quality enhancement and sustenance the college has adopted the approach of pursuing excellence and becoming more inclusive. This is well reflected through the overall progress of the college.

Pimpri-Chinchwad city has a great historical, cultural, social, literary and spiritual background. It is a well known industrial city of India having industries in almost varied fields. Alandi, birth place of a great Marathi Saint Dnyaneshwar is near to Pimpri-Chinchwad. Dehu, the place of birth of a great Marathi Saint Tukaram is also in the vicinity. Taking into account the need of growing population of the city and also the need of nearby rural areas the college has been set up. During the last 25 years the achievements of the college have been noteworthy. Our leadership has taken distinctive decisions to start various value based self-financing

courses from the undergraduate to the postgraduate as well as research levels that make the students competent in era of globalization.

The college has adopted an innovative practice of carrying out scientific surveys of the adopted villages, which is duly appreciated at the university level. Such surveys have indeed helped in creating awareness amongst the villagers about health and environmental issues and inculcated in them the idea of sustainable development for their personal use and benefit of the community as a whole.

NAAC

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Number of certificate/diploma program introduced during the last five years</p> <p>1.1.2.1. Number of certificate/diploma programs introduced year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>1</td> <td>2</td> <td>2</td> <td>9</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>2</td> <td>2</td> <td>7</td> </tr> </tbody> </table> <p>Remark : Revised as per clarification provided in the supporting document</p>	2017-18	2016-17	2015-16	2014-15	2013-14	10	1	2	2	9	2017-18	2016-17	2015-16	2014-15	2013-14	1	0	2	2	7
2017-18	2016-17	2015-16	2014-15	2013-14																	
10	1	2	2	9																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
1	0	2	2	7																	
1.1.3	<p>Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years</p> <p>1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>05</td> <td>03</td> <td>11</td> <td>11</td> <td>10</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>03</td> <td>02</td> <td>01</td> <td>02</td> <td>06</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	05	03	11	11	10	2017-18	2016-17	2015-16	2014-15	2013-14	03	02	01	02	06
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05	03	11	11	10																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
03	02	01	02	06																	
1.2.3	<p>Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</p> <p>1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>1012</td> <td>677</td> <td>582</td> <td>841</td> <td>822</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p>	2017-18	2016-17	2015-16	2014-15	2013-14	1012	677	582	841	822										
2017-18	2016-17	2015-16	2014-15	2013-14																	
1012	677	582	841	822																	

2017-18	2016-17	2015-16	2014-15	2013-14
1012	662	579	838	822

Remark : Revised as per clarification and supporting document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years

Answer before DVV Verification : 24

Answer after DVV Verification: 22

2.1.2 Average Enrollment percentage

(Average of last five years)

2.1.2.1. Number of students admitted year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5580	5750	5436	5403	5336

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5580	5750	5436	5403	5336

2.1.2.2. Number of sanctioned seats year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6794	6668	6388	6157	6157

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
6869	6687	6512	6479	6422

Remark : Revised as per clarification provided by HEI

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1473	1528	1510	1369	1225

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
1474	1530	1511	1372	1225

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
15	8	7	9	8

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5	2	4	1	1

Remark : Revised as per supporting document

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
34	48	79	71	36

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
34	48	79	71	35

Remark : Corrected as per clarification

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
0	7	6	4	3

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	6	4	4	3

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	21	19	30	24

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
7	20	17	28	22

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
2467	3698	1807	2415	2210

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
2529	3636	1807	2415	2210

4.2.4	<p>Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)</p> <p>4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 389 1046 524"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>8.804</td> <td>7.1</td> <td>10.76</td> <td>9.593</td> <td>11.19</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 602 1046 736"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>8.58</td> <td>7.16</td> <td>11.46</td> <td>10.03</td> <td>10.54</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	8.804	7.1	10.76	9.593	11.19	2017-18	2016-17	2015-16	2014-15	2013-14	8.58	7.16	11.46	10.03	10.54
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8.58	7.16	11.46	10.03	10.54																	
5.1.3	<p>Number of capability enhancement and development schemes –</p> <ol style="list-style-type: none"> 1. For competitive examinations 2. Career counselling 3. Soft skill development 4. Remedial coaching 5. Language lab 6. Bridge courses 7. Yoga and meditation 8. Personal Counselling <p>Answer before DVV Verification : A. 7 or more of the above Answer After DVV Verification: A. 7 or more of the above</p>																				
5.2.2	<p>Percentage of student progression to higher education (previous graduating batch)</p> <p>5.2.2.1. Number of outgoing students progressing to higher education Answer before DVV Verification : 328 Answer after DVV Verification: 316</p> <p>Remark : Revised as per clarification provided</p>																				
7.1.1	<p>Number of gender equity promotion programs organized by the institution during the last five years</p>																				

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	5	10	9	7

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	4	8	4

7.1.9

Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer before DVV Verification : A. 7 and more of the above

Answer After DVV Verification: B. At least 6 of the above

2.Extended Profile Deviations

Extended Profile Deviations

No Deviations