



Yearly Status Report - 2018-2019

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	PRAVARA RURAL ENGINEERING COLLEGE, LONI
Name of the head of the Institution	Dr. S.M.Gulhane
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02422273539
Mobile no.	9881832100
Registered Email	principal@pravaraengg.org.in
Alternate Email	principal.precloni@pravara.in
Address	Pravara Rural Engineering College A/P Loni Tal Rahata Dist Ahmednagar (MS)
City/Town	Loni
State/UT	Maharashtra
Pincode	413736

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		private			
Name of the IQAC co-ordinator/Director		M.S.Mhaske / G.R Suryawanshi			
Phone no/Alternate Phone no.		02422273459			
Mobile no.		9226967672			
Registered Email		mhaskems@pravaraengg.org.in			
Alternate Email		suryawanshigr@pravaraengg.org.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://www.pravaraengg.org.in/content.html			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://www.pravaraengg.org.in/NAAC/Academic%20Calender%202018-19.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.48	2019	04-Mar-2019	03-Mar-2024
6. Date of Establishment of IQAC			05-Jun-2017		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		
Internship of the	01-Jun-2018		152		

students	15	
Expert Lecture on Preparation for competitive Exam	12-Jul-2018 01	34
Induction program to First year students	01-Aug-2018 15	230
Internal Audit of Teaching staff	14-Sep-2018 01	108
Expert Lecture on Civil service preparation	19-Sep-2018 01	42
Expert lecture on Opportunities in Health, Safety & Environment	04-Jan-2019 01	96
Seminar on Intellectual Property Rights	09-Jan-2019 01	56
Two Days State Level Workshop on PLC and SCADA	24-Jan-2019 02	41
International conference on Recent Trends in Mechanical Engineering	22-Feb-2019 02	64
FDP on Data science	17-Jun-2019 05	30
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. A.R.Warade	Research Project	SPPU,Pune	2017 730	50000
Mr. S.B.Magar	Research Project	SPPU,Pune	2017 730	60000
Mr. M.S.Mhaske	Research Project	SPPU,Pune	2017 730	220000
Mr. S.M.Shirsath	Research Project	SPPU,Pune	2017 730	140000
Mr. S.B.Belkar	Equipment Grant	SPPU,Pune	2017 365	500000
Pravara Rural Engineering College, Loni	FDP on Data Science	MHRD & PMMMNMTT	2018 05	40000
Computer Department	Workshop on Virtual Lab	PREC,Loni	2018 05	18485
Pravara Rural Engineering College, Loni	QIP ,PLC & SCADA	SPPU,Pune	2018 02	70000
Dr. L.B.Abhang	QIP,	SPPU,Pune	2019	300000

	International Conference		02	
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9. Whether composition of IQAC as per latest NAAC guidelines:		Yes		
Upload latest notification of formation of IQAC		View File		
10. Number of IQAC meetings held during the year :		2		
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website		Yes		
Upload the minutes of meeting and action taken report		View File		
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?		No		
12. Significant contributions made by IQAC during the current year(maximum five bullets)				
<ul style="list-style-type: none"> • Academic and administrative audit: Academic and administrative audit has been conducted both internally as well as externally. Internal audit was conducted by senior faculty members while external audit was conducted by faculties from other colleges. 				
<ul style="list-style-type: none"> • Promoting all faculties to become a membership of professional bodies like IICHE, CSI, IETE, ISME, IE ,SAE & ISTE. 				
<ul style="list-style-type: none"> • Motivation to faculty for doing research work. Technical training, Aptitude & Skill based learning. 				
<ul style="list-style-type: none"> • Successfully organized 1st International conference on Recent trends in Mechanical Engineering (RTIME 2019) on 22-23 Feb. 2019 				
<ul style="list-style-type: none"> • MOUs signed by the various department with industries to promote industry institute interaction and to organize placement drive (Bharti Mela) 				
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year				
Plan of Action		Achivements/Outcomes		
To organize Placement Activity		Bharti Mela was organized for placement		

	of students of all stream where 26 companies participated and total 1478 students were appeared out of which 182 students were shortlisted from which 30 students of Pravara Rural Engineering College, Loni have got placed in various companies .
To enhance E learning facilities	The staff members have attended / used E learning facilities like FOSSE , NPTEL video ,smart classroom, online NPTEL Lectures also Use of Science Direct, and ASME Journals for project development and research activity
To organise international conferences, workshops, STTP's on various themes, and depute faculty to attend various conferences, workshops, STTP's.	Received sanction one international conference by SPPU, Pune and More than 100 staff member attended various conferences, workshops, STTP's.
Inculcate research culture, encourage faculty for applying research proposal to BCUD, DST, AICTE, etc.	Received grant for three research proposal from BCUD
Promotion of collaborations and Linkages by signing MOUs with Industries.	Signing MOU,s with various industries gets benefitted for industrial visits, expert lectures, seminars & other activities like research work and project work
To conduct Internal Academic Audit	Internal Academic Audit was conducted ones in a semester which was conducted by Internal Assessment Committee. Inspection reports were submitted to principal while Compliance reports were by all the departments.
Attainment CO PO and mapping of CO PO PEO	Attainment calculated for Continuous internal Evaluation (CIE) for all the subjects.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body	19-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	15-Feb-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
Date of Submission	13-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>We have MIS system at central level under Pravara Rural Education Society, Pravaranagar, Loni and implemented in Pravara Rural Engineering College, Loni for systematically organize information and monitoring of various institutes of society. A versatile MIS designed based cloud Technology provides efficiency and effectiveness in strategic decision making concerning for promotion and use of information for policy planning and implementation, monitoring and evaluation of an education activities. In this MIS system following modules are effectively used in various sections of organization. Academic Module: Attendance management System: To facilitate students and staff to access attendance information of a particular student in particular class, subject wise attendance, class wise attendance ,To evaluate attendance as per eligibility criteria of students. Online examination: It is used to conduct online examination for students. evaluation, preparation of results etc. Feedback Management: To assess student's response for teaching, academic events, college library, laboratory facilities, internet facilities and institute facilities. It supports to improve the quality of teaching and other facilities. Learning material distribution: It is used for managing and distributing lecture notes among the students. In this module faculties can upload notes in format of PDF, Excel, Word, Images and PPT presentations of their respective subjects for particular classes by using faculty's dashboard and then students can download that notes from their own dashboard. Syllabus coverage system: It facilitates to access the syllabus coverage information of a particular subject or all subjects and faculties allotted particular class. Teacher Guardian: Teacher Guardian system is a digital helping hand to the</p>

day to day tasks performed by mentor. It also supports coordinating parent meetings, student meetings etc. Result Analysis system: Generation of collated reports like academic year wise, branch wise, backlog histories. Individual reports of subjects, faculties, number of backlogs per student and similar others can be generated. E notice: Notices can be sent by SMS or Emails to students as well as Faculty Members. Administrative Office Modules: Faculty Information system: Faculty Information System maintains all faculty related data to view, review, recommend and submit to authorities. Adding and viewing various accomplishments: research project, publications, training, workshops done, patents/copyrights registered Work experience details: Subjects taught in the past, seminars/conferences attended, faculty feedback details All documents in a single place. Students Information System: The Student Information Management System is student level data collection system that allows the department to collect and analyze more accurate and comprehensive information, to meet federal and state reporting requirements, and to inform policy and programmatic decisions. Students' portal: The Student Portal and the mobile application are both designed with the motive of serving as a strong cohesion between the students and the college administration or the faculties. Mobile Applications: • Mobile App for students • Mobile App for Faculty • Mobile app for principal All academic and administrative activities are carried out smoothly and facilitate students, stake holders, faculties and management.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution is affiliated to Savtribai Phule Pune University, Pune (SPPU). Design of the curriculum and its revision are periodically prepared by University and followed by the college for effective curriculum delivery. To improve and develop curriculum skill and knowledge the institution encourages

students to work and participate in various academic and curriculum activities. In the beginning of the academic year, lesson plans are prepared by the faculty members for implementation of the effective curriculum. To compete with the technological demands of the modern era, college insists the faculty members to follow innovative pedagogy of teaching methods such as internet, LCD projectors along with traditional chalk and talk method. In addition to the above mentioned teaching methods, the staff members adopt tools like ICT presentations, assignments, interactions, workshops, seminars and computer education to enlighten the students to learn the curriculum effectively. Subject experts from various fields are invited for special lectures in addition to personality development programme for students and staff. The scheduled unit wise portion completion, conduction of unit wise tests and assignments are effectively monitored and verified against the subject plans and attendance registers of individual staff members. The course structure and contents of all the programmes are available on the university website. Before the commencement of the semester, courses are allocated to respective faculty based on their specialization, experience and choice. Department wise academic calendar, class time table and laboratory time table are prepared. Faculty develops teaching plan / practical plan / tutorial plan as per guidelines received from the university. The course files are prepared / updated by respective faculty. Laboratory manuals / journals are prepared. The monthly attendance record is prepared by class In charge and displayed on notice board. The letters are sent to the parents of defaulter students. The academic activities and progress of students are reviewed by head of the department with the help of class in charge and corrective measures are discussed with the faculty. Continuous assessment of students is maintained by each faculty for laboratory course. The planning for project and seminar work is done at the beginning of respective semester. The students are encouraged to carry out their projects in collaboration with industries. Monitoring of Academics is done regularly. Departmental library is an add-on facility for faculty and students. Industrial visits and field visits are organized regularly to support curriculum delivery. Remedial classes are arranged for backlog students. Book bank facility is provided for students through Central Library. Institute is having ample number of e- books, e-journals, to cope up with recent trends and demands of industry. Students are motivated for Paper presentation, publications and participation in Workshops/Seminars/Conferences, Project Exhibitions/Competitions. Multiple Choice Questions (MCQs) are provided to First and Second year students for practice of online examination. NPTEL and Language laboratory resources are provided to staff and students for qualitative learning.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
C CPP Training by Spoken Tutorial oragnized by IIT Bombay	-	01/07/2018	60	Employability	-

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Mechanical Engineering	15/06/2018

	(Course- Hydraulics & Pneumatics, Code: 402041)	
BE	Mechanical Engineering (Course- Energy Engineering, Code: 402047)	15/06/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Chemical Engineering	15/06/2018
BE	Computer Engineering	15/06/2018
BE	Electronics Engineering	15/06/2018
BE	Electronics & Telecommunication Engineering	15/06/2018
BE	Instrumentation Engineering	15/06/2018
BE	Information & Technology Engineering	15/06/2018
BE	Mechanical Engineering	15/06/2018
BE	Civil Engineering	15/06/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	313	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
PLC and SCADA	01/10/2018	41
Barclay's free soft and Industrial training program	18/09/2018	201
Barclay's free soft and Industrial training program	25/09/2018	196
Advanced Java	28/08/2018	51
PHP MySql	02/07/2018	24
Java	04/07/2018	26
C CPP	02/07/2018	28
Linux	01/01/2019	29
Java	01/01/2019	27
Arduino	01/01/2019	30
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Instrumentation Engineering	38
BE	Chemical Engineering	142
BE	Computer Engineering	9
BE	Information Technology Engineering	12
BE	Electronics & Telecommunication Engineering	11
BE	Electronics Engineering	12
BE	Mechanical Engineering	25
BE	Civil Engineering	25
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>The Institute has a well-established mechanism to obtain feedback of Theory/ Practical classes from students. Also, feedback of alumnus and parents is obtained during parent's meets / Alumni meets. The feedback of students is analyzed and conveyed to the faculty members for improvements and faculties having excellent feedback are is the constructive feedback of parents and alumnus which are helpful for curriculum improvement are implemented. The feedback of parents and alumnus regarding creation of additional facilities in infrastructure /laboratories/career guidance and planning are also implemented. To comply the parents and alumnus feedback additional Workshop, Seminars, Courses on Software's, GATE Exams, Soft Skills Courses, Expert Lectures by alumni on higher positions and Expert Lectures by thought leaders are arranged throughout academic year. The active participation of stakeholders is considered as a part of improvement in the curriculum through their valuable feedbacks. Feedbacks from stakeholders like alumni, employers and parents are analyzed which plays a key role in enriching the curriculum to come up with corrective measures which helps to fulfill the needs of technological up gradation. The feedback responses of these stakeholders are presented in front of the head of the department for taking necessary decisions in regards to enriching the curriculum as follows: 1. Alumni feedbacks evaluate the improvements in various aspects like skill enhancements, aptitude building, employability skill up gradation, software literacy, etc. Soft skill development programs are organized through alumni guest lectures. Alumni</p>

feedbacks are collected during every alumni meet. 2. Employers feedback visualizes the field and market demands on the need of communication skills, leadership and managerial qualities, knowledge on emerging technologies and advanced innovative practices. Employability skills are introduced as one of the subject in the curriculum by the university on the feedback from the industry. Employer survey feedbacks are taken from recruiters. 3. Parents feedback helps in organizing trainings related to placement and market needs. It also clarifies the need for technocrats to approach for government services like MPSC and UPSC. This helps to improve the coordination between the students and parents with the college curriculum which assists in their overall personality development through efficient career planning. Mentorship scheme helps to create a continuous interaction with parents. Parent feedbacks are collected during every parent meet.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	Design Engineering	17	10	10
ME	Structural Engineering	17	13	13
ME	Computer	24	10	10
BE	Mechanical	120	149	149
BE	Civil	60	67	67
BE	Chemical	60	72	72
BE	Instrumentation & Control	30	37	37
BE	Electronics & Telecommunication	60	36	36
BE	Information Technology	30	36	36
BE	Computer	60	72	72

[View File](#)

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1654	110	105	6	24

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
105	77	3	18	2	4
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students mentoring system is available in the College at different levels: academic, personal and psycho-social support, professional and career counseling and other services. Academic counseling is available for all students. The students are mentored at the time of admissions on the nature and prospects of the discipline that they wish to choose. Later, the new candidates are mentored at the time of first year orientation. In addition, theory classes, practical and mentor mentee meetings are important forums that facilitate one-to-one interaction between the mentor-mentee. In the Tutorial Classes and practical, the teachers meet smaller groups of students to help them in resolving their curricular and other academic needs. In these classes, the students can discuss their academic and discipline related problems without any hesitation or peer pressure. Tutorial Classes are significantly valuable for slow learners and Marathi medium students. The regular meeting between mentor mentee strengthens mentor-mentee relationship and facilitates open and free discussion on broader academic matters related to College infrastructure and facilities, library, organizing seminars or conferences, educational field trips or any other curricular and co-curricular issue. The faculty mentors the students in writing research papers and projects and presentations for conferences within and outside the College. More importantly, the faculty mentors the students on matters related to higher studies, choosing an option for the future and/or any support or guidance for their different entrance tests. Similarly Extension Activities like NSS, Community Outreach Programs, Extra-Curricular Activities and Students Association have faculty mentors who advise and guide the students in organizational and leadership qualities and building peer relationship and interaction within these programs. Mentors provides guidance for personal and psycho-social support of the students. Issues of socialization arise in all categories of students, including students with disabilities and these are handled by the College Counselor and/or mentor from the faculty. In addition to mentoring by their respective teachers, the students are counseled and mentored on different career options by Career Guidance and Placement Cell of the College. It organizes employability skill workshops such as communication skills, self-presentation especially during interviews, resume writing, soft skills etc. and pre-placement workshops and seminars by industry representatives and higher education experts to create awareness among students about higher education and other job opportunities. The Career Guidance and Placement Cell also organizes Job Fairs to facilitate students into seeking careers and other opportunities. It organizes workshops and training programs for them to provide psychological support and career counseling. Training programs and computer skill development programs, held regularly, are availed by all such students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1664	105	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
103	105	3	Nil	9

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	P.D.Kabudke	Assistant Professor	Dronacharya Award By SAE

[View File](#)

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BA	513924610	I	08/12/2018	29/04/2019
BE	513924610	II	27/05/2019	24/07/2019
BE	513937210	I	08/12/2018	29/04/2019
BE	51397210	II	27/05/2019	24/07/2019
BE	513961210	I	08/12/2018	29/04/2019
BE	613961210	II	27/05/2019	24/07/2019
BE	513919110	I	08/12/2018	29/04/2019
BE	513919110	II	27/05/2019	24/07/2019
BE	513950710	I	08/12/2018	29/04/2019
BE	513950710	II	27/05/2019	24/07/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Institute's primary focus, as stated in its mission statement, is on strengthening teaching learning process through rigorous assessment and evaluation. Institute closely follows all the reforms introduced by SPPU. SPPU predict the need for radical reforms in traditional examination and assessment system by evolving a credible, effective and transparent evaluation system that responds confidently to the challenges and newer demands of a knowledge society. Institute has consistent practice to conduct class tests, assignments, tutorials which are part of formative assessment. Internal assessment system is revived by introducing midterm and end term examination. Tests are conducted for performance improvement and confidence building, to give an opportunity to nonperforming students. Term work marks are allotted by maintaining Continuous Assessment Sheet by each teacher to evaluate performance of students during practical sessions. CAS is revised and though each experiment is assessed for 10 marks, the performance parameters are altered. Project progress is monitored periodically in both the semesters by departmental committees specially constituted for this purpose. Mock practical examinations are conducted to give beforehand experience of university practical examination to students. Makeup classes are introduced for students who could not attain the required attendance for medical or other valid reasons, in view of bringing these students academically at same level as that of regular students. This also enhances self-learning ability of students. Remedial classes are taken for academically weaker students for each term. The following reforms of SPPU are incorporated in internal assessment of UG courses. • FE 2015 patterns involves 50 marks internal assessment and 50 marks external assessment. For the FE 2019 Pattern involves 30 marks in-semester and 70 marks semester end assessment. • Internal assessment is based on two unit tests, three assignments. • Various student centric activities such as seminars, model making, group discussions, presentation, and demonstrations are applied for evaluation of student. • Pre-final exam papers are set and assessed at institute levels.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Being affiliated to SPPU, institute follows academic calendar of SPPU. Before commencement of each semester institute prepares its own academic calendar inline with university academic calendar. Based on Institute's academic calendar, department prepares its academic calendar showing events planned by individual department. It has a standard procedure to plan and develop curricular, co-curricular and extracurricular activities. Dates proposed by university for commencement and conclusion of semester, insemester, endsemester, online examination are reflected in institute's calendar and strictly followed. University schedules TW/ Practical /Oral examinations and appoints external examiner. Usually, practical examination period is of 3 weeks, planned by university. This schedule is strictly followed by institute. IQAC committee, College Dean Affairs and Department Academic Committee discuss and plan various academic, co-curricular, extracurricular and social activities in accordance with university calendar. All these activities are included in academic calendar of institute. Technical events, Technical symposium at National level, expert lectures, science exhibition, cultural activities, sport events are planned before start of term. This advance planning makes teaching plan robust. Social activities such as NSS activities are planned as per academic calendar of SPPU which are followed by institute. All departments prepare their academic calendar in accordance with Institute academic calendar. Various activities such as industrial visit, expert lecture, seminars/ workshops/ conferences, department social programs etc are included in department academic calendar. Teaching plan is prepared by each teacher which adheres to the academic calendar of institute. Department Academic Committee has standard procedure of fortnight monitoring that ensures smooth conduction of lectures and practical sessions. Attendance of student is daily observed and absences of student is communicated to parents regularly. Cumulative attendance and Defaulter student lists are displayed every fortnight as per the procedure. The students having attendance less than 75, have to attend the makeup classes of respective subjects every fortnight. . Status of syllabus completion, defaulter students is reviewed by mentor periodically in mentor-mentee meeting. Theory Class and practical records is maintained by individual subject teacher as per the teaching plan and practical sessions. Internal examinations are conducted by all the departments on the dates planned in academic calendar. Results of internal assessment are declared and communicated to students within a scheduled time. Every department conducts project progress review and seminar presentations as per standard procedure set by each department according to academic calendar of department. This is the part of internal evaluation. Mock practical examinations are planned in the department academic calendar at the end of each term and conducted according. Thus, its observed that institute adheres to academic calendar for conduct of CIE and all other activities during the semester. Thus, it's observed that institute adheres to academic calendar for conduct of CIE and all other activities during the semester

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 in website of the institution (to provide the weblink)

<http://www.pravaraengg.org.in/NAAC/PO-PSO-CO%20-2018-19.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage

513924510	BE	COMPUTER	66	63	95
513924610	BE	INFORMATION TECHNOLOGY	36	36	100
513937210	BE	ELECTRONICS & TELECOMMUNICATION	56	53	95
513964410	BE	INSTRUMENTATION & CONTROL	24	22	92
513950710	BE	CHEMICAL	71	70	97
513919110	BE	CIVIL	74	65	89
513961210	BE	MECHANICAL	105	81	77
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.pravaraengg.org.in/NAAC/SSS%202018-19.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	730	Savitribai Phule Pune University, Pune	4.7	2.35
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Process Safety in Chemical Engineering	Chemical Engineering	06/07/2018
Carrier opportunities in Chemical Engineering	Chemical Engineering	12/07/2018
Higher Studies in Foreign Universities	Chemical Engineering	27/08/2018
Preparation for Job Market	Chemical Engineering	08/09/2018
Current Industrial Trends	Chemical Engineering	25/09/2018
Opportunities in Health, Safety Environment	Chemical Engineering	04/01/2019
Seminar on Self-	Chemical Engineering	04/01/2019

Motivation		
Role of Engineer in process industry	Chemical Engineering	04/01/2019
Process Engineering in Industry	Chemical Engineering	08/03/2019
Reactive Separation	Chemical Engineering	26/06/2019
Intellectual Property Rights	Computer Engineering	09/01/2019
Antenna its Industrial Applications	Electronics and Telecommunication Engineering	30/07/2018
Industrial Automation	Electronics and Telecommunication Engineering	28/08/2018
Personality Development interview tech.	Electronics and Telecommunication Engineering	30/08/2018
Expert Lecture on Preparation for competitive Exam "MPSC"	Mechanical Engineering	12/07/2018
Expert Lecture on A Revolution in commercial space travel	Mechanical Engineering	25/07/2018
Lecture on Civil service preparation	Mechanical Engineering	25/09/2019
Expert Lecture on Automation	Mechanical Engineering	07/01/2019
Career opportunities in Design Engg	Mechanical Engineering	08/01/2019
Gate Examination Significance	Mechanical Engineering	26/02/2019
MBA in Canada	Mechanical Engineering	26/02/2019
Importance of German Language in career choice	Mechanical Engineering	28/02/2019
Recent trends in Heat Transfer	Mechanical Engineering	07/03/2019
Big Data Analytics and AI	Information Technology Engineering	27/03/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	Nil	Nil	Nil	Nil
View File				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nil

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Nil	Nil

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Chemical Engineering	1	6.18
International	Computer Engineeirng	13	0
International	Electronics Engineering	12	5.53
International	Electronics and Telecommunication Engineering	5	5.87
International	Civil Engineering	14	6
National	Civil Engineering	3	5
International	Information Technology Engineering	1	5.2
International	Instrumentation and Control Engineering	8	1.3

[View File](#)

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Instrumentation and Control Engineering	1
Civil Engineering	6
Electronics and Telecommunication Engineering	3
Electronics Engineering	1
Computer Engineering	4

[View File](#)

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as	Number of citations
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					mentioned in the publication	excluding self citation
A review on effects of Air Pollution	S.B. Divate S.R. Kadam	Journal of Engineering Research and Application	2019	1.63	Pravara Rural Engg. College, Loni	Nil
Understanding Short Text And Extraction By Using Semantic Knowledge	M R Bendre, Pardesi	Open Access International Journal of Science and Engineering	2018	1	Pravara Rural Engg. College, Loni	Nil
Time series decomposition and predictive analytics using MapReduce framework	Mininath Bendre, Ramchandra Manthalkar	Expert Systems with Applications	2019	11	Pravara Rural Engg. College, Loni	22
System security using encrypted negative password	Mrs. Nirmal S.S	international journal of research in science and engineering	2019	1	Pravara Rural Engg. College, Loni	Nil
Leaf Disease Detection using Smart Phone	Nirmal M.D.	International Journal for Research in Applied Science and Engineering Technology	2019	1	Pravara Rural Engg. College, Loni	Nil
Active User Prediction, Ranking and Providing Ads in Social Networking Services Based On Users Profile	M R Bendre Nilesh Gholap	Journal of Analysis and Computation	2019	1.5	Pravara Rural Engg. College, Loni	Nil

[View File](#)

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Time series decomposition and predictive analytics using MapReduce framework	Bendre, M., Manthalkar, R.	Expert Systems with Applications	2019	4	15	Pravara rural Engineering College, Loni

[View File](#)

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	25	26	19
Presented papers	11	3	Nil	Nil
Resource persons	Nil	Nil	1	Nil

[View File](#)

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood donation camp	NSS	12	41
National Unity day Celebration	NSS	2	65
Tree Plantation	NSS	4	75
Election Literacy Club	Election Commission	2	10
Gandhi Jayanti	NSS	14	76
NSS Winter Camp	SPPU Pune	10	75

[View File](#)

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	Nil

[View File](#)

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	NSS	Impotrtantants of toilet and its cleaning	9	56

[View File](#)

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	00

[View File](#)

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Indsutrial Visit	Field Trip	Prabhat Dairy Ltd, Shrirampur	16/10/2018	16/10/2018	48
Industrial Visit	Field Trip	MNC Automation and Services, Pune	07/03/2019	07/03/2019	35
Training	Internship	P.Dr.V.V.P .S.S.K. Ltd. Pravaranagar	01/06/2018	05/06/2018	37
Training	Internship	Padmavati Chemicals Pvt. Ltd. Vapi	01/06/2018	18/06/2018	10
Training	Internship	Godavari B iorefineries Ltd., Sakarwadi, Kopergaon	07/06/2018	23/06/2018	9
Training	Internship	UT Corporation Pvt. Ltd. Udgir	01/06/2018	05/06/2018	2

Training	Internship	Crenta Chemicals Pvt. Ltd., Solapur	05/06/2018	20/06/2018	1
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
SMS (CETP), Waluj, Aurangabad	01/09/2018	Industrial visit, Training Project. Industrial visit on 22/3/2019	41
Fermenta Biotech Ltd, Dahej	01/09/2018	Industrial visit, Training Placement. Offcampus placement of students	3
RCF , Mumbai	16/10/2018	Industrial visit, Training Project. Training of students in summer	11
Synergy process systems, Pune	20/11/2018	Industrial visit, Training Project	1
Virtuoso Projects and Engineering Pvt. Ltd., Pune	08/03/2019	placement	2
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
48.36	70.03

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing

Existing	710	33	30	30	1	36	654	60	0
Added	0	0	0	0	0	0	0	0	0
Total	710	33	30	30	1	36	654	60	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

60 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Pravara Education You Tube Channel	https://www.youtube.com/channel/UC83nyu9ULBK3Of9JZUU5N1q
Pravara Alumni You Tube Channel	https://www.youtube.com/channel/UCxnDKMLB_JqjLowWR28CjpQ
NPTEL Local Chapter	https://nptel.ac.in/LocalChapter/
Interactive Session with Mr. Bhargava Gorty	https://youtu.be/hTSdy5bk-pU
Entrepreneurship Development Interactive Session~ Mr. Nikhil Madaan	https://youtu.be/0P1XIKegxuY
A Guest lecture on "Gas Turbine Engines" by Dr. Subhir Mozumdar, Professor, IIT-Kharagpur	https://youtu.be/qY3rD8wetYO
Two Days FDP - Day -1 Inauguration of FDP Session - 1	https://youtu.be/MKrMLmMVOGU
Two Days FDP - Day -1 Session - 2	https://youtu.be/K-b4ngWn3V0
Two Days FDP - Day -1 Session - 3	https://youtu.be/i_D8otoD7kk
Two Days FDP - Day -2 Session - 4	https://youtu.be/Tc_knhaRkoE
Two Days FDP - Day -2 Session - 5	https://youtu.be/ShNXnziVZEY
Valedictory Function- Emerging Trends in Chemical Sciences 21-01-2017	https://youtu.be/mG9HeWVTKdY
Session-1-Oral Presentation - Emerging Trends in Chemical Sciences 21-01-2017	https://youtu.be/OP8De32k7T0
Session-2-Oral Presentation - Emerging Trends in Chemical Sciences 21-01-2017	https://youtu.be/iEKqmBDRJL0
Expert Lecture on Personality life skills for success in career	https://youtu.be/I3OZQo4h_o8
Expert Lecture On Cryogenic Heat Treatment Part-1	https://youtu.be/KsJ0gcUkEvE
Expert Lecture On Cryogenic Heat Treatment Part-2	https://youtu.be/i07It09gyRc
Two days Seminar on "Artificial Intelligence Machine Learning" Session 1	https://youtu.be/22RG5uv7hc8

Two days Seminar on "Artificial Intelligence Machine Learning" Session 2	https://youtu.be/95sE7U18SYU
FDP on Recent Trends in Process Intensification Sponsored By AICTE, New Delhi	https://youtu.be/OW8WetYzw5w
Expert Lecture On Cryogenic Heat Treatment By Dr. Kumar M Iyer ~ - Part -1	https://youtu.be/KsJ0gcUkEvE
Expert Lecture On Cryogenic Heat Treatment By Dr. Kumar M Iyer ~ - Part -2	https://youtu.be/i07It09qyRc
Expert Lecture on Personality life skills for success in career on 6th Sept. 2016	https://youtu.be/I30ZQo4h_o8
NPTEL Lectures	https://nptel.ac.in/course.php

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
172.77	286.48	129.64	174.25

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Response: Land built up area exclusively for the college Land: 52.7 acres
 acres Built-up floor space: 37838 sq. m. Cleaning work of passages, washrooms, outer wall area of Administrative buildings, staff quarters, boy's hostels, girl's hostels, and internal roads of campus, boys and gents common rooms and other cleaning work is given to civil maintenance department for cleaning.
 Class Rooms: Well-furnished class rooms are cleaned every day by peons of respective departments and its record is maintained. Tutorial Rooms: Tutorial rooms are cleaned every day at departmental level. Laboratories: Laboratory in-charge, laboratory assistant and laboratory attendant look after cleanliness and maintenance of laboratories. Every year budget for new dead stock equipment's, consumables and maintenance is proposed to management through HOD and Principal. List of non-repairable equipment's/instruments is prepared by concerned faculty in-charge, laboratory assistant in consultation with HOD and forwarded to Principal for Write-Off approval. Seminar Halls :Maintenance of seminar halls of every department is done by technical assistant of that department. Equipment: All laboratories of every department have maintenance register. Equipment's are regularly monitored. A team of experts look after Write-Off of material. Computers :Team of technicians of System department, laboratory in-charge is responsible for maintenance of computers. Central Library :Book shelves, racks and entire library are daily cleaned using vacuum cleaner. Dept. Library: Every department has departmental library and it is taken care at departmental level. Internet :System head, System administrator and team of technicians look after the maintenance of daily band width, usage, band width allocation and sharing. Electricity :Institute has electrical maintenance department, which looks after entire maintenance of electricity. Water Supply: Sufficient water is made available to cater the need of water for

drinking as well as other purposes. Ample RO water is provided in campus as well as hostels. For washrooms, garden sufficient water is made available. Cleaning of water tanks, maintenance of RO system is done periodically. Civil Maintenance: Institute has separate department for Civil Maintenance to look after all the requirements and maintenance of buildings and all related structures. Security: Main security officer Mr. Dengale N.B. and Tambe P.R., supervisors and watchmen look after security of entire campus including hostels. The Total campus is under CCTV camera. Garden :College has a garden department to look after the landscaping, open auditorium and saplings, trees in campus etc. This department helps in maintaining the campus green and nature friendly.

<http://www.pravaraengg.org.in/library.html>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institute Level	205	7816000
Financial Support from Other Sources			
a) National	Scholarship under central state Government	1754	839490850
b) International	-	Nil	0
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Personal Counseling	15/07/2018	1256	Department Faculty
Yoga Meditation	26/06/2018	60	NSS Unit PREC, Loni
Language Lab	08/09/2018	55	Digital Language Lab, P.R.E.C, Loni
Remedial Coaching	15/10/2018	361	Departmental Facultis
Importance of German Language in career choice	28/02/2019	54	Mr. Yogesh Saste
Opportunities in Health, Safety Environment	01/04/2019	96	Mr. Harsh Pandya CEO-Infinity Consulting New Delhi
Civil service preparation	19/09/2018	132	Mr. Siddharth Shahane, 8390239094
Preparation for competitive Exam	12/07/2018	70	Sanket Khetmalis, 8668578750

"MPSC"			
Personality Development interview techniques	30/08/2018	40	Mr.G.J.Kulkarni, Senior personal administrative manager, CTR Manufacturing Industries Private Limited,Pune 020 2663 3403
Higher Studies in Foregion Universities	27/08/2018	43	Mr.Dale Nilesh , Manager Nissan North America
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Guidance for Competitive examination, Career Counseling activities	348	1390	4	214
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Sai Infocorp solutions Pvt.Ltd.Nasik, CMS IT,Pune Techno Growth Software Sol.Ltd.Pune, VIRTOUSO	739	70	Infosys Pvt.Ltd.Pune,, Cognizant Pvt.Ltd.Pune, Atos Syntel,, Atos Syntel ARESS Pvt.Ltd.Nasik, NCS,Pune, TechRel VibrantMinds	482	77

Pvt.Ltd Pune ,Tirumala Pvt.Ltd Pune ,Sai Info Corporation Ltd,Nasik ,BrainsIS Engineering Solutions Pvt.Ltd.Pune , Catapharma Chemicals Pv t.Ltd.,Nashi k			Mistubishi E lectrical,Pu ne, LG Soft Tech Amodoc Cappgemini,Aa rti Drugs Ltd. hoisar, Tarapur ,Privi Organics Ltd. Mahad ,Praj In	
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	BE	Mechanical Engg.	Pirens Institute of Business Management and Administ ration	Master of Business Adm inistration
2018	2	BE	Mechanical Engg.	Pravara Rural Engineering College Loni	ME Design Engg.
2018	1	BE	Chemical Engg	Pravara Rural Engineering College Loni	ME Chemical
Nill	1	BE	Chemical Engg	Sinhagad College of E ngineering,P une	Master of Business Adm inistration
Nill	1	BE	Chemical Engg	SRM University Chennai	M.Tech
2018	2	BE	Information Technology	Centre for Development of Advanced Computing	C-DAC
2018	1	BE	Electronics Engineering	Centre for Development of Advanced Computing	C-DAC
2018	2	BE	Electronics and Telecomm unication	Pravara Rural Engineering College Loni	M.E VLSI and Embedded System

			Engineering		
2018	2	BE	Civil Engg.	Pravara Rural Engineering College Loni	ME (Civil ,Structures)
2018	1	BE	Civil Engg.	University of Strathclyde Glasgow	MS Constuction Management
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	3
CAT	1
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Independence Day	Campus Level	90
Ek Gaon Ek Ganpati (Cultural Event)	Intra College Level	86
Republic Day	College Level	80
Shijayanti Mahotsav	Campus Level	650
PRECision 2018	National Level	630
Engineers day	Campus Level	230
International Women Day	Campus Level	150
Annual Sports Activity	Campus Level	500
View File		

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)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Nil	National	Nil	Nil	Nil	Nil
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Institute has Student Council formed as per the guidelines given by Savitribai Phule Pune University under the provision of section 40(2) (b) of the Maharashtra Universities Act, 1994 to conduct various cultural / university activities during every academic year. Formation of student council: 1. Class Representative is the topper from each class: 2. General Secretary is from final year and topper from third year examination amongst all programmes. 3. University Representative is from third year and topper from second year

examination amongst all programmes. 4. Gymkhana Secretary and Cultural Secretary are selected from the applications received and interviews in front of committee members. 5. There are two posts for Ladies Representative, one from second year and one from final year. 6. NSS representative is appointed by NSS Program Officer. Following are the committee members for student council:- 1.

Office Bearers Committee: • Principal - Chairman • Vice Principal FE coordinator - Member • Student Welfare Officer -Member • Co-ordinator Cultural Activities- Member • N.S.S. Programme Officer- Member • Director, Physical Education - Member • Student council Coordinator - Member 2. Members of Students Council on Merit Basis:- Class Representative (Toppers from all Classes) 3. Following students are nominated as members of student council as per section 40 (5) of Maharashtra Universities Act 1994. • General Secretary • Gymkhana Secretary • President • Cultural Secretary • N.S.S. Representative • Ladies Representative The activity of Student Council includes: • The student members bring forward the views and suggestions of the entire class related to the academics. • The Student Council helps students share ideas, interests, and concerns with faculties and Principal. • To organize State, National or University level events in every year to motivate students to participate in technical and nontechnical events. • To organize the annual social gathering every year this includes Sport events, Project Exhibition, Art gallery, Fun-fair, Cultural program, etc. • To celebrate Teacher day and Engineers Day. • To organize blood donation camp, tree plantation, Yoga Day, Cleaness Day, Voter's awareness programs in association with institute level association/professional bodies, etc. • The Council looks after the academic and extra-curricular needs of the students. • The Council takes follow up of the demands of the students and ensures that the grievances of the students are redressed. Representation of students on academic administrative bodies/committees of the institution: Students are actively involved in following different committees:- • Library committee • Cultural Committee • College Academic committee • Discipline Anti-Ragging Committee • Sports Committee • Hostel committee • Health Public Awareness Committee • Different gathering committees • Workshop/Seminar/Conference committee • Sexual harassment committee

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association of Pravara Rural Engineering College, Loni is a prestigious association which provides the platform to the stakeholders of the institute to connect with alumni across the world working in a variety of industries in various capacities. The association was registered with registration number Maha/614/04/Ahmednagar, under the Societies Registration Act, 1860 (Act 21) through A.K. Navgire on 01/07/2004. The Alumni Association provides the assisting for existing students and faculty members to bridge the gap between Industry and institution. Indeed Alumni are the pillars for growth of the Institution. Approximately we have 12,354 alumni passed from Pravara Rural Engineering College, Loni who are representing our institution globally. We aim following objectives with this Alumni Association We aim following objectives with this Alumni Association 1. To establish the link between existing and passed out students of PREC Loni. 2. To provide the platform for effective interaction and exchange ideas between institute and Alumni. 3. To collect, analyze and disseminate valuable information pertaining to the interest of the Institution. 4. To provide mentorship through Tinkerer's lab, where students from various streams can participate in learning to greater extent in real time projects. 5. To invite alumni for delivering expert talks though online and offline platforms, to invite as a chief guests for various events at PREC, Loni. 6. To use expertise of Alumni for the benefit of organization 7. To organize alumni meets for better exchange of views and guidelines for the

growth of Institution 8. To promote the placement number, Industrial training activities, entrepreneurship awareness for upcoming engineers of PREC Loni Alumni Association Body , 1 Mr. Satish Khade - President, Director, Apex Construction Company, Pune ,satish.khade08@gmail.com, Mobile - 9823030218 2 Mr. Sharad Kale Patil - Vice President, Proprietor, Superb Telecom, Ahmednagar , s.kalepatil@rediffmail.com , Mobile - 9850018200 3 Dr. Laxman Baburao Abhang - Secretary, Associate Professor, Department of Mechanical Engineering, PREC Loni abhanglb@yahoo.co.in ,Mobile- 9657445027 4 Mr. Vilas Jadhav -Treasurer,Assistant Professor, Department of Instrumentation Control Engineering, PREC Loni jadhavvk@pravaraengg.org.in , Mobile- 9890414426 5 Mr. Machhindra Gholap - Member ,President, Farmer scientist forum MPKV Rahuri ,mbgholap.gholap@gmail.com , Mobile -9226150885 6 Mr. Sunil Palande - Member ,Scientist, VRDE, Ahmednagar sunilpalande@gmail.com, Mobile - 9226562494 7 Dr. Kishor Kale - Member ,Head Mech. Engg. Dept. P.Dr. V.V.P. COE Ahmednagar, kishorkale.iisc@gmail.com , Mobile - 9975320658 8 Vilas Shirore - Member ,Trustee, Maratha Chamber of Commerce trust, Nasik, shirore_vilas@rediffmail.com , Mobile-4229 42259 9 Dhananjay Aher -Member, Owner Nathganga Multi-Plex Loni dhananjay.aher@pravara.in,Mobile- 9922446042 10 Pravin Dhamane -Member, Manager, Machine Well Engineering, Ahmednagar ,pravindhamane@yahoo.co.in Mobile- 99609 9693 11 Sharad Londhe - Member,Service Manager Data Care Corporation Pune ,sharad.londhe@gmail.com , Mobile- 9371652676 12 Suresh Ghogare, - Member ,Director Yash Technical Institute , sghogare@yahoo.com , Mobile- 98228 54958 13 Shripad Nimbalkar Member Associate Professor at Mechanical Engineering Department and Alumni Coordinator PREC Loni ,nimbalkarsr@pravaraengg.org.in , Mobile- 9850203904

5.4.2 – No. of enrolled Alumni:

12354

5.4.3 – Alumni contribution during the year (in Rupees) :

55639

5.4.4 – Meetings/activities organized by Alumni Association :

Year: 2018-19 : One Alumni meeting at Bangalore on 20/01/2019 , Venue: Coronet Hall, Hotel Le Meridian, Bengaluru, Karnataka, No of members attended -49 Total no of alumni enrolled- 117

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The PREC follows the decentralized governance to an important level. A. Purchase of Equipment: 1. Faculty members are notified about submitting the lab requirements as per revised /changed syllabus or as per need. 2. In a departmental meeting concerned subject teacher informs about the syllabus changes and the lab experiment added. 3. Accordingly Lab in Charge is advised to put up the requirement with the desired specifications along with vendor's addresses. 4. Consolidation of the total requirement of the department is prepared. 5. Budget requirement for the same is forwarded to the Principal. 6. Principal receives the budget requirement of all the departments. 7. In a HOD Meeting, Principal discusses about the equipment requirements and put forward in College development committee (CDC) and GB meeting for approval. 8. Principal seeks approval of Budget from CDC and GB and it is informed to all the HoDs. 9. Technical Assistant prepares the requisition form and forwards it to the Principal through Lab in Charge and Head of the department. 10. Principal sends it to the store/purchase officer for further correspondence

with PRES purchase officer. 11. Purchase officer calls the quotations from the various vendors and prepares the comparative statement (minimum three vendors). 12. Purchase meeting is called in presence of management representatives, head of the departments and vendors for negotiation. 13. Observing the rates and desired specifications in consultation with HOD, Vendor is finalized. 14. Purchase order is placed for the procurement of the equipment. 15. Vendor delivers the equipment to the respective department as per the terms and conditions specified in the Purchase Order. 16. After successful installation and demonstration, 90 payment of the vendor is released and 10 is held back against bank guarantee for the period of one year. 17. 10 amount is released after satisfactory performance of the equipment, ensured by lab in charge after one year.

B. Participation of teachers in decision making bodies: The GB approves the road map for achieving perspective goals and make financial provisions for necessary infrastructure and facilities in order to provide Quality Technical Education in Pravara area. College Development Committee (CDC) and all mandatory committees are functioning effectively to take awareness of all stakeholders.

2. The nominated faculty members and staff are the members of the governing council and College development committee (CDC).

3. The problems related to institute are put forward by these members before the management and resolved.

4. Monitoring and control of various academic activities are coordinated by HODs with the help of Academic Dean and Faculty members by assigning them different portfolios apart from teaching to involve them in the process of decision making.

5. The Faculty members are involved in interaction with industries for effective implementation of memorandum of understanding (MOUs) through Placement, Industrial visits, Industrial Training, Expert Lectures from Industrial resource person, arranging Bharti Mela under the leadership of Principal, HODs and Training and Placement coordinator.

6. Faculty members facilitate the students for research, innovation entrepreneurship by arranging workshops, trainings, industrial visits, expert lectures.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The Admission Committee of our College, comprising our Principal and senior faculty members as well as a few senior non-teaching staff members work tirelessly to ensure fair and hassle-free admission of students. PREC, Loni follows the admission process as per the guidelines given by the Government of Maharashtra and All India Council for Technical education under the aegis of State Common Entrance Test Cell and the Directorate of Technical Education, through the Centralized Admission Process (CAP Round).
Industry Interaction / Collaboration	To establish close association between industry and institute for increasing industry exposure to students and faculty members. 1. Institute has invited industry experts

for providing expert talk on recent trends in the field of Technology. Speakers with proven expertise from industry provides added credibility to our theoretical content. Hearing new voices provides students not only with different points-of-view, but also with potential resources they can apply in later courses. 2. Our Institute has explored opportunities in Consultancy to the industry on a consistent basis. Department of Civil Engineering has provided consultancy in the field of Testing of materials, third party audit of Nagar Palika civil work, water tank stability and structural stability. Department of Mechanical Engineering has provided consultancy in the field of Tribology, Biodiesel performance and emission testing, Vibration, Testing of Fuels, Energy, CAD/CAM, Metrology, Boilers. 3. Our institute has increased the association with the Industry through signing Memorandum of Understanding (MoU) with renowned companies and institutes. Students and faculty of various departments have undergone in plant training programs in these industries. Industry Officials have delivered expert talks to students. These companies have offered in campus Placement opportunities to students.

Human Resource Management

In centers of higher education, human resource management is a constantly evolving area of concern, but one of its most important aspects is the emphasis on providing faculty members with scope to grow and develop within their working space. This college has always encouraged its faculty members to grow in the workplace, and this is achieved by encouraging new staff members to avail themselves of opportunities to attend orientation programmes. In-service teachers are also encouraged to apply for refresher courses, FDPs and major/minor research projects and their progress and achievements are duly put on record. The encouragement and concern has enabled faculty members to complete their PhD.

Library, ICT and Physical Infrastructure / Instrumentation

PREC, Loni has sufficient infrastructure and well-equipped laboratories in every department as per the AICTE norms for quality Teaching

Learning Process and Research. The campus is supported with boy's common room and girls common for their extracurricular activities with all the necessary facilities. All Classrooms having LCD projector internet connection for better teaching learning process. The computing facility within the PREC, Loni is supported by LAN, Wi-Fi high speed internet connectivity. The college library consists of 1584 reference books, 43520 volumes and 19060 titles along with e-journals. The reading hall is available to all the students. Library with computing and internet facility gives easy access to Science Direct. The library has institutional membership of DELNET, National Digital Library of India. The Institute encourages the students to participate in various sporting activities. Students have access to the indoor and outdoor sports facilities in the campus. The institute offers a platform for the students to experiment their innovative projects while participating in the National competitions. Cultural activities are also encouraged in the institute and the desired support is provided through finance and infrastructure. The institute has a standby arrangement of Diesel Generator to satisfy the need of the electric power at the institute. The institute has a dedicated supervisor of maintenance of equipment and computing facilities of the institution.

Research and Development

The institute is promoting Research and Development (RD) cell activities through Central Research Committee at institute level. The Institute is budding towards research activities for which it has a distinctive R D incentive scheme for PhD scholars, as On Duty leaves are provided for faculties who are undergoing Doctoral Programme. Also these faculties are felicitated during gatherings. The faculties are also encouraged to participate in various development programmes, workshops and conferences, to remain abreast with latest subject knowledge and technological updates. The Final year and third year students of the institute have publicized their project work in various International Journals signifying the research

atmosphere is growing up. Also the Final Year students have done project work in renowned industries like TATA motors, Racold, Thermax etc. The students of Final Year Mechanical Engineering have filed two patents and have been accepted. Currently, PREC, Loni is correlated with 18 standard companies with MOU's to face current engineering problems in the market. In addition Board of College and University Development (BCUD) of Savitribai Phule Pune University supports research activities of the institute by providing research grants for research activities. The institute visits various industries to cater practical knowledge of current trends in engineering.

Examination and Evaluation

The different departments of the college are required to prepare their students according to the university-prescribed syllabus, to sit for examinations held according to the university-recommended schedule. For example, the internal and tutorial examinations of semester 1 under the newly instituted CBCS were held by the college in November 2018 while the corresponding examinations of semester 2 were held in May 2019. The pattern and nature of questions and tutorial/practical assignments set by the college are in accordance with the criteria or pattern prescribed by the different boards of study. The recently introduced CBCS has brought about radical changes in the syllabus as well as in the system of evaluation. From the very beginning of every semester, students have been made aware of these changes, which now include evaluation on the basis of attendance, internal tests and assignments before the end-of-semester examinations conducted by the University. Moreover, in the course of 2018-19, the college encouraged faculty members to attend workshops for better understanding of the new systems of evaluation.

Teaching and Learning

PREC, Loni follows the admission process as per the guidelines given by the Government of Maharashtra and All India Council for Technical education under the aegis of State Common Entrance Test Cell and the Directorate of Technical Education, through the

Centralized Admission Process (CAP Round). The students who got the admission come from different backgrounds. Backgrounds include reservation policy and management quota as per the guidelines given by DTE. PREC follows the strategy to support students to receive financial aids from Government of Maharashtra under the reservation and economically backward class policy. In our institute well Qualified, experienced and competent faculties have developed an effective Teaching Learning Process to transfer the knowledge to the students in effective manner. Healthy and Pleasant working environment at the institute level adds to the faculty's interest. Students get academic, personal guidance and social behavioral counseling from the concerned Guardian Faculty Members, Class Teachers and HODs. The Teaching, Learning Process is monitored and governed by Associate academic dean and their team. PREC Loni encouraged and supports all faculty members financially to participate in seminars, workshops, conference, Examination reforms, syllabus structure and evaluation processes of SPPU for the empowerment society and their self. PREC concentrate on continuous assessment process of students for the attainment of stated Graduate outcomes. Our institute has well defined Program Educational Objectives (PEOs) and Program Outcomes (POs) for the empowerment of student. The performance of the students in examinations and placement opportunities are the result of outcomes of these programs.

Curriculum Development

PREC, Loni is affiliated to Savitribai Phule Pune University (SPPU) and follows the guidelines of SPPU for curriculum planning and implementation. All curricular activities are planned and organized as per guidelines given by the university. Also PREC, Loni is having academic tie-up with industries for assuring the quality of curricular planning and implementation through audits. Academic Calendar is getting followed in the institute for effective planning and implementation of the curriculum. Also feedbacks are taken from the stakeholders on curriculum implementation for improvements. Faculties contribute in syllabus

orientation by participating in various bodies of university.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	The colleges vision and mission statement is clearly uploaded on the institutional website. Further development plans and strategies are also to be displayed on the website as and when applicable. For all Governing Body meetings, the minutes and resolutions by circulation are sent by email to GB members and also made available as hard copies.
Administration	The MIS software enables the college authorities to exercise full supervision over all the service modules in the office. The Principal is in touch with teaching and non-teaching staff members, as well as with GB members, through email. Notices and other kinds of administrative information are put up on the college website. The college office is fully automated and equipped with 24/7 internet connectivity. An intranet links the college office with the Principals office for online supervision. A new biometric system to record attendance has been installed for the use of all staff members.
Finance and Accounts	The institute uses the ERP Tally software for the finance and account. The MS Excel is used to prepare the monthly salary sheet and the student fees record
Student Admission and Support	The institute uses the MIS, School Mate software for admission support and KOHA software uses in central library for the book transaction to the students. DTE and CET Cell online portal uses for the FE and DSE admission process.
Examination	The institute uses the SPPU examination portal for the online examination and exam form filling.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

2018	M.S.Mhaske	International Conference at VJTI Pune 13-15 Dec. 2018, TRIBOINDIA-2018	--	2145
2018	Mrs.V.P.Bhosale	One Week Training Workshop on PLC,SCADA MATLAB Simulation, SVIT, Sinner On 17th Dec to 22nd Dec:2018	--	1200
2018	Mrs.M.D.Balsaraf	One day Workshop on Medical Technology Innovations. Cummins COE, Pune on 21st December 2018	--	1280
2018	Dr.C.B.Kadu	One day workshop on "Discussion on Syllabus of Process Dynamics and Control Final Year Instrumentation Engineering 2015 Course (Credit Based)" on 11th July 2018	--	1240
2018	Mrs. D A Doshi	Faculty Orientation Workshop "Embedded System RTOS (Elective-I)" VVIT, Pune	--	1975
2018	Mrs. S.A. Shaikh	Faculty Orientation Workshop "Wireless Sensor Networks (Elective-IV)"	--	1280
2018	Mrs. S.A. Shaikh	Faculty Orientation Workshop "Embedded System RTOS (Elective-I)"	--	1970

		VVIT, Pune		
2018	Mrs. S. S Lavhate	Faculty Orientation Workshop B. E. (Electronics) Revised Syllabus 2015 Course "Electronics system design"	--	840
2019	Mr.V.K.Jadhav	ICAEEC-2019 IIIT Allahabad 31st April to 1st May:2019	--	8310
2019	Mr. A. H. Ansari	International Conference on Knowledge Discovery in Science and Technology Organized by JSPM, Hadapsar Pune on 22 and 23 Feb 2019.	--	1500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	-	MIS software training	05/09/2018	08/09/2018	Nil	9
2019	State Level Workshop on PLC and SCADA	-	22/01/2019	25/01/2019	41	Nil
2019	International conference on recent trends in mechanical Engineering	-	22/02/2019	23/02/2019	65	Nil
2019	FDP on Data science	--	17/06/2019	22/06/2019	30	Nil

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
NPTEL WORKSHOP, Organized by MET Bhujabal ,Nasik	2	30/11/2018	30/11/2018	1
NPTEL Certification Course on "NBA Accreditation and Teaching Learning in Engineering (NATE)"	2	01/07/2018	01/10/2018	90
FDP organized by AICTE Christ Institute of Management, Lavasa	1	09/07/2018	15/07/2018	7
STTP(one week)	1	03/12/2018	07/12/2018	5
Training program under BSS on "Adobe Creative Cloud"	5	23/05/2019	25/05/2019	03

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
97	97	194	194

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF and Gratuity to all staff members as per policy of Institute. Casual Leave, Medical Leave, Earned Leave and Compensatory-off facility to all staff as per Institute Policy Maternity leave is provided for ladies staff. Vacation to all staff after completion of	EPF and Gratuity to all staff members as per policy of Institute. Casual Leave, Medical Leave, Earned Leave and Compensatory-off facility to all staff as per Institute Policy Maternity leave is provided for ladies staff. Vacation to all staff after completion of	First Aid box are available in all departments. • Earn and learn scheme for poor and needy students. • Toppers award, Best outgoing student award. •Institute scholarships for needy students. • Book bank facility for poor students.

academics. Group Insurance scheme is provided to all staff. Uniform are provided to all class IV Security staff. Festival advance for Non-Teaching Staff. Staff Quarter Facility for teaching as well as Non-Teaching Staff. Loan facility is provided to teaching non-teaching staff members through PRES Technical Nontechnical employees cooperative Patsansta, Loni To encourage research activities in the Institute, study leaves are granted for faculty members Pursuing Doctoral program. Wards of faculty member are given 40 concession in tuition fee of our sister institute PCPS Pravaranagar For strengthening teaching learning process Faculty members are deputed for Seminars, Workshops and Conferences on demand.

academics. Group Insurance scheme is provided to all staff. Uniform are provided to all class IV Security staff. Festival advance for Non-Teaching Staff. Staff Quarter Facility Loan facility is provided through PRES Technical Non-technical employees cooperative Patsansta, Loni Wards of faculty member are given 40 concession in tuition fee of our sister institute PCPS Pravaranagar

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute has followed the standard procedure for conducting internal and external audits for every financial year to assure the financial consent. Whenever required the internal audits are carried out by institute. • External auditor is appointed by the parent trust who executes the statutory audit. No major irregularities were found in the audit and minor suggestions were complied. • The internal auditors are appointed by the PRES Loni. The institution is having qualified practicing Chartered Accountant as an auditor who audits the accounts annually. After the audit, the report is sent to the management for review. • Internal audit done particularly in respect to purchase transaction, reconciliation of exam fees and timely settlement of advances. • No major audit issues and objections were being raised in the audit report. . Budget is prepared at college level and send to PRES for modification and approval . The institute has execute various activities as per budgetary provision. In any item budget required excess than budgetary provision then special sanction is required from PRES, Loni

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Management of Pravara Rural Engineering	18485	Workshop on Virtual lab

college, Loni

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6.4.3 – Total corpus fund generated

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6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Pravara Rural Education Society	Yes	IQAC
Administrative	Yes	Pravara Rural Education Society	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

The active involvement of parents and stakeholders in various activities carried out by the departments and institute to support the students. Parents contribute and give their valuable suggestions and support through their representation by active participation in the following activities. 1. Parent Teacher Interaction Meet, 2. Cultural Events. 3. Parents from industrial sector, supports for industry institute interaction through industrial visits and training for students. 4. Feedback from the parents for further developments of their wards and institute.

6.5.3 – Development programmes for support staff (at least three)

To enhance the skill of supporting staff, the institute has been conducted the following programs 1. Basic computer skill training. 2. Tally and MIS software training. 3. English Spoken skill 4. Yoga programs

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Feedback collected, analyzed and used for further improvement. 2. Preplanned academic calendar implemented in the department and institute. 3. Participation in NIRF. 4. Attainment and CO-PO and PEO mapping and unanalyzed by continuous internal Evaluation (CIE) for all the subjects. 5. Implemented SOP in the institute. 6. Institute insists online courses like NPTEL and video lectures to support class room teaching. 7. ICT tools provided for teaching and learning. 8. Organizing attending the FDP/STTPs by faculties.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Induction program to	31/07/2018	31/07/2018	14/08/2018	230

	First year students				
2019	International conference on Recent Trends in Mechanical Engineering	22/02/2019	22/02/2019	23/02/2019	65
2018	Internships / Training to students	01/06/2018	01/06/2018	15/06/2018	152
2018	software courses of Spoken Tutorials through IIT Bombay	01/07/2018	01/07/2018	30/08/2018	313
2019	State Level Workshop on PLC and SCADA	24/01/2019	24/01/2019	25/01/2019	41
2019	Technical symposium PRECISION 2019	08/04/2019	08/04/2019	08/04/2019	630
2019	Bharti Mela for placement	09/09/2018	09/09/2018	09/09/2018	160
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Induction Programme	01/08/2018	07/08/2018	32	78
Seminar on "Women Empowerment"	11/08/2018	11/08/2018	84	12
Awareness program on Menstrual hygiene management, Manchihill High school, Sangamner	11/11/2018	11/11/2018	72	Nil

Teacher Day Celebration	05/09/2018	05/09/2018	38	72
Sanitary Pad Distribution ,Madhyamic Vidhyalaya,Nandur	11/11/2018	11/11/2018	55	Nil
Vakrutva Spardha (Speech competition) Event on second death Aniversary of Padmbhushan Late Dr.Balasaheb Vikhe Patil	10/11/2018	11/11/2018	33	40
Awareness program on Menstrual hygiene Management Engineering Ladies Hostel,Loni	21/03/2019	21/03/2019	240	Nil
Street Play During Shivjayanti Mahotsav	19/02/2019	19/02/2019	30	45

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

1. Use of renewable energy: • Institute has installed solar water heating system with for two boy's hostel with 3000 Liters capacity each one the Girls hostel with 4000 liters capacity. • Two solar street lights of 75 watt each are installed at staff parking playground area. • Solar Power Plant (On Grid System) Institute had proposed 500 KW capacity Solar Power Plant (Grid Connected Solar Power System) to Ministry of New and Renewable Energy Sources (MNRE), Govt. of India, out of which 200 KW capacity plant installation work is completed . The installation work was completed by the M/s. BOSS Electro multi services Pvt. Ltd. on the roof of Pravara Rural engineering College.. Remaining 300 kW capacity plant is going to be installed on the roof of our college The surplus is fed into the mains power grid. • Some electricity companies will meter the electricity fed into the grid by your system and provide a credit on your bill. • Also To create awareness for the uses of renewable energy sources is through student's projects and activities for students as well as faculties.

2. Energy Conservation: • The institute has taken due care for less energy consumption including electronic ballast tube lights, electronic regulators for fans, and minimum use of Air Conditioners. • Students and staff are motivated and aware to use best practices such as to switch off electronic instruments, fans and tubes whenever not in use. • Most of the old CRT based Computers are replaced by LCD monitor. • Minimum requirement of tube lights and fans because of sufficient natural lights in class rooms as well various laboratories and staff seating places.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	4	2	17/06/2018	365	Bus Transport Facility	As transport facility has major problem in the nearby places central of the college. Therefore institute has opted and encourage students to avial facility of shared transport by providing bus facility	94
2018	4	2	26/12/2018	7	NSS Camp	Creating social awareness among students	75
2019	1	1	19/02/2019	1	Blood Donation camp	Creating awareness in the young generation regarding	55

						blood donation	
2019	1	4	21/03/2019	1	Nirbhaya Astep towards Change	Welfare contribution	122
2019	1	1	08/04/2019	2	PRECision -2018	Under this programme various events such as, Project exhibition, paper presentation. Robo race, Lathe war, Debate, Rangoli, Poster presentations, box cricket, badminton, and many more successfully conducted	630
2019	1	1	01/06/2019	2	Career opportunities	Borivali Career Vision was organized on 1 to 2 June 2019. Seminars were arranged on Career opportunities after 12h. Seminar were organized on MPSC UPSC and other competitive exam. So various	170

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Handbook for stakeholders (Code of conduct)	01/06/2018	Handbook for has been published for the all stakeholders of the institute by society. It covers Students, Teachers, Librarian, placement officers, Office Superintendent, clerks, PA to Principal, Receptionist/Telephone Operator, Accountant, Exam Officers etc. Handbook includes the job responsibilities and code of conducts of respective designations. There is proper system to monitor the following the code of conduct by the principal through Establishment Section.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation on 3rd Death Anniversary of Padmabhushan Dr. Balasaheb Vikhe Patil	30/12/2018	30/12/2018	28
Blood Donation Camp	19/02/2019	19/02/2019	55
Tree plantation Conservation	05/05/2019	05/05/2019	40
Teacher Day Celebration	05/09/2018	05/09/2018	110
Mahatma Gandhi Jayanti celebration / Swachh-Bharat Abhiyan	02/10/2018	02/10/2018	70
Street Play On Gandhi Janti at Loni Grampanchayat	02/10/2018	02/10/2018	35

Demo presentation to farmers of Loni Village on Self propelled Onion harvester	22/04/2019	22/04/2019	41
International Yoga day celebration	21/06/2019	21/06/2019	48
Tree plantation in Shivaji Hostel on the occasion of Swami Vivekananda Jayanti	12/01/2019	12/01/2019	32
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

<p>. Tree Plantation - Tree-planting was done by Team NSS during various occasions Also institute made the policy to felicitate the Guests with the plant saplings that will lead to Environment friendly culture. Good initiative taken by college toward green campus.</p>
<p>Public Transport- The institute is located in the rural region and having 05 buses from the various corners of the villages .Bus facility was provided from the various areas nearby institute (Approximate periphery of 35 Kms) that encourages students and staff to use transport facilities as it may help saving environment, leading to safe and secure life in turn will benefit all</p>
<p>Bicycle- Institute Promotes the Go Green Campus Policy amongst the stakeholders of the institute by giving the facility of use of Bicycle in the campus to commute within the campus. This gives Zero Pollution and helps to keep Healthy.</p>
<p>Renewable Energy - Institute has installed 200 KW capacities Solar Power panel system in the campus. Also, it is attached to the MSDC power grid. Due to this the consumption of solar power has increased. The maximum power requirement is met by the Renewable Energy.</p>
<p>Waste Management Rain water harvesting - Cleanliness is maintained in campus and less hazardous waste is generated. The major e-waste such as out of use instruments / equipment's, CRTs, Printers, Computers, Electronic gadgets, Circuits, Kits old project models, setups have been written off and then it is sold out to buyers by auctioning. Liquid waste used for the generation of Bio-gas.</p>
<p>Rain water harvesting- Rain water harvesting plant implemented in the campus to avoid scarcity of water in summer days</p>
<p>Sprinklers- Sprinklers are used for watering the plants and lawns.</p>

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>Title of the Practice: Best Practice 1: Earn Learn Scheme Objectives of the Practice: ? To help the students from economically poor families. ? To boost the confidence of students and parents from economically backward classes. ? To develop leadership qualities The context: The main objective of the scheme is to help the poor and needy students so as to pursue the higher education independently. This scheme is basically undertaken for the benefit of students those who are needy, economically backward, intelligent and meritorious but cannot afford higher education. This will make higher education accessible and available to the poor, needy and meritorious students The Practices: College</p>

level coordinators appointed by Principal displays the Notice calling applications from interested candidates of all departments. ? By thorough scrutinizing the documents like Income certificate of parents and conducting the interviews of students Final list is displayed and work is allotted at different departments of the college. Department level coordinators distribute the work to selected students and get the work done from them. ? Departmental coordinators keep the monthly record of the work done by the students and forward the monthly bill for sanctioning to College coordinator. ? In Earn Learn Scheme University sponsors yearly certain amount and In addition to that college contribution is more than 20 of that amount towards bill of students i.e. (S.E, T.E and B.E). ? Monthly bill is being transferred to their respective bank accounts. ? Academic year wise details of students involved in the practice are as follows in Table No.1 Evidence of Success:-Enhancing the efficiency of the students in learning process and poor financial situations. Problem Encountered and Resources Required: Sometimes it is difficult to find such students who are in actual need of this scheme. Title of the Practice: 2. Academic Awards to Student Objectives of the Practice: ? To encourage and improve academic excellence of the student. ? To overall development of students in Sports. The context: The main objective of the scheme is to encourage the students in academic excellence and also to monitor overall progress of students during his/her graduation. It also helps them economically somehow during education phase. The Practices: ? In the every academic year college offers some Cash prizes to the students those who will show their excellence in the University Examinations. ? Also prizes are announced for the various sports activities. ? The student who will stood first among all the students appeared for the university examination from the college, to them college announces Gold medal every year. Evidence of Success: Improvement in the students progression and overall results. Problem Encountered and Resources Required: Sometimes students Interest is less in the study.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.pravaraengg.org.in/NAAC/Best%20Practices.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

By keeping the view of rural people and their welfare , PREC is the first engineering college established in rural Maharashtra in the year 1983. Since then our goal is to provide the best education possible to the rural masses. Through implementation of several innovative and first of its kind beneficial practices like earn and learn scheme, fee concession to the rural students, various in-house scholarship programs, our institute helps the underprivileged students to gain knowledge and education in the engineering field. The students can pay their fees in installments and are also provided employment in our college after their education. Our college has produced several university rankers in thirty seven years of its existence. There has been remarkable increase in academic excellence of our students. The development of our student and staff and constant upgradation of their knowledge and skill is of prime importance. They are encouraged to participate in the seminars, workshop, symposium, training program, writing research papers at the national international level. Every year, our college also organizes many seminars and workshops for exposing our students to the recent trends in the industry. A national level event "PRECision" is organized by our students every year to make this journey as easy as possible for everyone. To enhance their technical skills apart from the curriculum, several training programs like, AUTOCAD, CATIA and software development trainings on different programming languages are

organized in our college each year in collaboration with the best training centers. To bridge the gap between academics and industries and to enhance the employability of our students through development of soft skills, aptitude training our college conducts several value addition courses. Career counseling is also done regularly. Besides, every teacher is a mentor to a group of students. Every year campus drives are conducted and several students of our college are placed in various multinational industries and public sectors companies. Students are supported for developing innovative projects like the "Onion Harvester" which has bagged several awards. The NSS wing of the college conducts numerous activities and awareness drives thereby enthusing a spirit of brotherhood and communal harmony. Our students are encouraged to participate in different sporting activities and represent our college at several competitions held at different levels. Our asset is our alumni. Most of them are working at top most positions in several countries at different geographical locations. We have a strong alumni association and every year regular alumni meet is organized in our college campus. Now we are also organizing our alumni meets in different states of India and abroad. These alumni meets are helpful for strengthening our training and placement activities. To bridge the gap between academics and industries, our college has signed MOUs with industries for regular industry-institute interaction. Our college had organized "Bharti mela" recruitment drive in which several industries from various sectors participated and recruited our students.

Provide the weblink of the institution

<http://www.pravaraengg.org.in/NAAC/Distinctiveness%20of%20Institute.pdf>

8.Future Plans of Actions for Next Academic Year

Pravara Rural Engineering College Loni established in 1983, is a premier educational institution in Pune University. To improve quality in the various aspects of administration, academics, faculty development, training and placement, MOUs with industries, R D activities, extension activities, co-curricular and extracurricular activities, social exposure to students and faculties, institute has been initiating, implementing and proposed various activities throughout the academic year. 1. Prepare academic calendar before start of new academic year and activate to implement and follow it. 2. To apply for the NBA accreditation of UG programs in 2020-21. In order to prepare for the same, to plan for the implementation and follow up of the processes and documentation as per the requirements of NBA. 3. To increase the collaborations with the nearby industries with active MOUs and organized industrial training, industrial visits, internship, conduct expert lectures, workshops, value added courses to bridge the gap between academia and industry. Focus will be to enhance employability skills by providing corporate and technical skills by industrial experts. 4. Training is planned for first to final year students for competitive examinations, aptitude, and soft skill training by adding special lectures in the weekly time table. 5. Faculty development programs at the end of each semester planned for faculty to enhance and update current knowledge. 6. Research Development activities planned to promote the research culture among the faculty and students. More focus is given on student's project, faculty research grants etc. by planning various activities in this regards. A discussion forum will be form at every department to develop research culture. 7. To promote various activities like entrepreneurship and innovation through skill development programme. Such activity will increase employability of students. 8 To promote the extension activities institute planned to organize community service activities to contribute to the wellness of the society. Along with NSS unit, to involve various departments in the organization of different social activities like Beti Bachao Beti Padhao, Swach-bharat Abhiyan, Save Girls, tree plantation, blood donation camps, save water and electricity etc.

