



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	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.	02422-273204
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

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>private</b>
Name of the IQAC co-ordinator/Director	<b>M.S.Mhaske / G.R Suryawanshi</b>
Phone no/Alternate Phone no.	<b>02422273459</b>
Mobile no.	<b>9226697672</b>
Registered Email	<b>mhaskems@pravaraengg.org.in</b>
Alternate Email	<b>suryawanshigr@pravaraengg.org.in</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.pravaraengg.org.in/NAAC/AQAR%202018-19.pdf">http://www.pravaraengg.org.in/NAAC/AQAR%202018-19.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.pravaraengg.org.in/NAAC/Academic%20Calender%202019-20.pdf">http://www.pravaraengg.org.in/NAAC/Academic%20Calender%202019-20.pdf</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>B</b>	<b>2.48</b>	<b>2019</b>	<b>04-Mar-2019</b>	<b>03-Mar-2023</b>

<b>6. Date of Establishment of IQAC</b>	<b>05-Jun-2017</b>
-----------------------------------------	--------------------

<b>7. Internal Quality Assurance System</b>
---------------------------------------------

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
<b>Induction program to</b>	<b>01-Aug-2019</b>	<b>346</b>

First year students	15	
Internal Audit of Teaching staff	12-Sep-2019 02	106
Software courses of Spoken Tutorials through IIT Bombay	01-Jul-2019 90	315
Soft skill training for all final year students by CuSucceed on Employability Development	16-Jan-2020 15	411
Expert lecture on Fundamentals of Cooling tower	22-Feb-2020 01	61
Lecture on Placement Assistance	11-Jan-2020 01	68
Expert Lecture on Python Programming and MEAN Stack	13-Feb-2020 01	72
Expert lecture on Business Loan	27-Feb-2020 01	67
Expert lecture on New opportunities in Chemical Engineering	06-Mar-2020 01	47
FDP on BOSS Linux	30-Apr-2020 07	73
<a href="#">View Uploaded File</a>		

**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
CHEMICAL ENGINEERING DEPARTMENT ,Dr. R.W.GAIKWAD	MODROB	AICTE	2019 730	961667
MECHANICAL ENGINEERING DEPARTMENT, Dr. L.B.ABHANG	RPS	AICTE	2020 1095	2196078
<a href="#">View Uploaded File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

4

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	<a href="#">View Uploaded File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

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 the external audit was conducted by faculties from other colleges
Promoting all faculties to become a member of professional bodies like IICHE, CSI, IETE, ISME, IE, SAE & ISTE.
Motivation to faculty for doing research work. Technical training, Aptitude & Skill-based learning
Feedback analysis from various stakeholders: Feedback from various stakeholders is collected and analyzed and the inputs are used for the betterment of the institute.
MoUs signed by the various department with industries to promote industry-institute interaction and to organize placement drive

<a href="#">View Uploaded File</a>
------------------------------------

**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 motivate enrollment to MOOCS courses such as NPTEL /FOSSE online courses and spoken tutorial etc. For student and teacher.	231 faculty and students were enrolled and completed NPTEL online certificate courses and 549 students have completed spoken tutorial /FOSSE courses.
To strengthen Outcome Based Education (OBE)echo system in teaching learning process	From pass one year due to pandemic situation we have successfully transit from physical mode of teaching to blended mode of teaching by incorporating different tools like teaching padagogy where subject are prepare according to padagogy for effective implementation of outcome based teaching and learning .

Attainment CO PO and mapping of CO PO PEO	Attainment calculated for Continuous internal Evaluation (CIE) for all the subjects.
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 submitted by all the departments.
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
Inculcate research culture, encourage faculty for applying research proposal to BCUD, DST, AICTE, etc.	Received grant Rs 25 Lakhs for Research from AICTE,New Delhi
To organise international conferences, workshops, STTP's on various themes, and depute faculty to attend various conferences, workshops, STTP's.	More than 100 staff member attended various conferences, workshops, STTP's.
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
<a href="#">View Uploaded File</a>	

<b>14. Whether AQAR was placed before statutory body ?</b>	No
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
Date of Visit	15-Feb-2019
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2020
Date of Submission	30-Jan-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	A management information system (MIS) is a computer system consisting of software that serves as the backbone of

an organizations operations. An MIS gathers data from multiple online systems, analyses the information, and reports data to aid in management decisionmaking. Pravara Rural College of Engineering, Loni is utilizing MIS for benefit of staff, students, and management. It is used for maintaining records of students, staff as well as management at different levels. It has been implemented in the college in 20182019 and presently every user is using to it. Following major modules are used in college at administrative level.....

1. Faculty Information System
2. Student Information System
3. Fees Collection System
4. ICard Generator
5. Work Compliance Management
6. Student Portal For academic records, the following modules are provided...

1. Attendance Management
2. Online Examination
3. Feedback Management
4. Learning Material Distribution
5. Syllabus Coverage
6. Teacher Guardian
7. Result Analysis
8. ENotice management

In addition to the above modules, some more facilities are available but as parallel facilities were already implemented, hence these modules are available but not yet implemented

1. Leave management system
2. Grievance Redressed System
3. Alumni Information System
4. Training and Placement
5. Report Card generator
6. Entrance Examination Management
7. Transport Management
8. Library Management
9. Hostel management
10. Stores Management
11. Online Admission System
12. Account Management System
13. Website Management System

Options for login are provided for Students and Alumni too Mobile apps are provided for students and Teachers

## 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 with Savtribai Phule Pune University, Pune (SPPU). The 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 skills 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 the implementation of the effective curriculum. To compete with the technological demands of the modern era, the college insists the faculty members follow innovative pedagogy of teaching methods such as the 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 a personality development program 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 programs 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 calendars, class timetables, and laboratory timetables are prepared. Faculty develops teaching plan / practical plan/tutorial plan as per guidelines received from the university. The course files are prepared/updated by the respective faculty. Laboratory manuals/journals are prepared. The monthly attendance record is prepared by the class In-charge and displayed on the notice board. The letters are sent to the parents of defaulter students. The academic activities and progress of students are reviewed by the head of the department with the help of the class in charge and corrective measures are discussed with the faculty. Continuous assessment of students is maintained by each faculty for laboratory courses. The planning for project and seminar work is done at the beginning of the respective semester. The students are encouraged to carry out their projects in collaboration with industries. Monitoring of Academics is done regularly. The 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 an ample number of e-books, e-journals, to cope up with recent trends and demands of the 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 the 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
Q Cad	-	01/07/2019	30	Employability	-
C CPP	-	01/07/2019	30	Employability	-
Scilab	-	01/07/2019	30	Employability	-
GChemPaint	-	01/07/2019	30	Employability	-
Open Modelica	-	01/01/2020	30	Employability	-
Linux	-	01/01/2020	30	Employability	-

Libre office Suite	-	01/01/2020	30	Employability	-
C language	-	01/07/2019	30	Employability	-
Java	-	01/07/2019	30	Employability	-
PHP MySQL	-	01/07/2019	30	Employability	-
Latex	-	01/07/2019	30	Employability	-
Python	-	01/01/2020	30	Employability	-
Arduino	-	01/07/2019	30	Employability	-
Advance C	-	01/07/2019	30	Employability	-
C and Cpp Training	-	01/01/2020	30	Employability	-
Arduino	-	01/01/2020	30	Employability	-

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Nil	Nil
<a href="#">View Uploaded File</a>		

### 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	15/06/2019
BE	Computer Engineering	15/06/2019
BE	Electronics Engineering	15/06/2019
BE	Electronics & Telecommunication Engineering	15/06/2019
BE	Instrumentation and Control Engineering	15/06/2019
BE	Information & Technology Engineering	15/06/2019
BE	Mechanical Engineering	15/06/2019
BE	Civil Engineering	15/06/2019

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

	Certificate	Diploma Course
Number of Students	790	0



### 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	23/07/2019	31
Introduction to LATEX	16/09/2019	25
Soft skill training for all final year students by CuSucceed on Employability Development	16/01/2020	411
Advanced Java Python	03/07/2019	63
Soft Skill	16/07/2019	30
Telecom Terminal Equipment using Android	09/09/2019	30
CU Succeed Soft Skill Training	25/09/2019	75
C and CPP training	01/07/2019	75
Php MySql	01/07/2019	25
Latex	01/07/2019	21
<a href="#">View Uploaded File</a>		

#### 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 and control Engineering	13
BE	Chemical Engineering	126
BE	Computer Engineering	2
BE	Information Technology Engineering	24
BE	Electronics Engineering	42
BE	Mechanical Engineering	45
BE	Civil Engineering	18
<a href="#">View Uploaded File</a>		

### 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

The Institute has a well-established mechanism to obtain feedback on Theory/ Practical classes from students. Also, feedback of alumni 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 alumni regarding the creation of additional facilities in infrastructure /laboratories/career guidance and planning are also implemented. To comply with the parents and alumnuss 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 the academic year. The active participation of stakeholders is considered as a part of the 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 help 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 feedbacks are collected during every alumni meet. 2. Employers feedback visualizes the field and market demands on the need for communication skills, leadership and managerial qualities, knowledge on emerging technologies, and advanced innovative practices. Employability skills are introduced as one of the subjects 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 training related to placement and market needs. It also clarifies the need for technocrats to approach 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. A 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	18	9	9
ME	Structural Engineering	18	17	17
BE	Mechanical Engineering	120	109	109
BE	Civil Engineering	60	59	59
BE	. Chemical Engineering	60	72	72
BE	Instrumentation and Control	30	27	27

	Engineering			
BE	Electronics Engineering	60	21	21
BE	Electronics & Telecommunication Engineering	60	85	85
BE	INFORMATION TECHNOLOGY	30	33	33
BE	COMPUTER	60	70	70
<a href="#">View Uploaded File</a>				

## 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
2019	1592	93	103	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
103	103	3	18	2	6

[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. Although the Covid-19 Pandemic and the Lockdown since March 2020, the student mentoring system was facilitated and continued online quite remarkably and successfully. 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 practicals, 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 the 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 relationships and interactions within these programs. Mentors provide guidance for the 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 the Career Guidance and Placement Cell of the College. It organizes employability skill workshops such as communication skills, self-presentation especially during interviews, resumes 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
1592	103	1:15

## 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
102	103	3	0	11

### 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
2019	Dr. S.M.Turkane	Associate Professor	Teacher Glory Award in recognition of Exepmlanary Contribution in the filed of Education by elets 16th World Education Summit -2020 Hydrabad
2019	Dr. V.R.Rathi	Vice Principal	Teacher Glory Award in recognition of Exepmlanary Contribution in the filed of Education by elets 16th World Education Summit -2020 Hydrabad

[View Uploaded 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
BE	513924510	VII	12/03/2019	28/01/2020

BE	513924510	VIII	23/05/2020	11/11/2020
BE	513961210	VII	12/03/2019	28/01/2020
BE	513961210	VIII	23/05/2020	11/11/2020
BE	513919110	VII	12/03/2019	28/01/2020
BE	513919110	VIII	23/05/2020	11/11/2020
BE	513950710	VII	12/03/2019	28/01/2020
BE	513946410	I	01/02/2020	11/02/2020
BE	513937610	II	23/05/2020	20/07/2019
BE	513937210	VIII	23/05/2020	11/11/2020

[View Uploaded File](#)

#### 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 the 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. The internal assessment system is revived by introducing midterm and end-term examinations. Tests are conducted for performance improvement and confidence building, to give an opportunity to nonperforming students. Term work marks are allotted by maintaining a Continuous Assessment Sheet by each teacher to evaluate the 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 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 the same level as that of regular students. This also enhances the self-learning ability of students. Remedial classes are taken for academically weaker students for each term. The following reforms of SPPU are incorporated in the internal assessment of UG courses. • FE 2015 patterns involve 50 marks internal assessment and 50 marks external assessment. For the FE 2019 Pattern involves 30 marks in the semester and 70 marks in semester-end assessment. • Internal assessment is based on two unit tests, three assignments. • Various student-centric activities such as seminars, model making, group discussions, presentations, and demonstrations are applied for the evaluation of students. • 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 with SPPU, the institute follows the academic calendar of SPPU. Before the commencement of each semester, the institute prepares its own academic calendar in line with the university academic calendar. Based on Institute's academic calendar, the department prepares its academic calendar showing events planned by individual departments. It has a standard procedure to plan and develop curricular, co-curricular, and extracurricular activities. Dates proposed by the university for commencement and conclusion of the semester, in semester, end-semester, online examination are reflected in the

institute's calendar and strictly followed. University schedules TW/ Practical /Oral examinations and appoints external examiner. Usually, the practical examination period is of 3 weeks, planned by the university. This schedule is strictly followed by the institute. IQAC Committee, College Dean Affairs, and Department Academic Committee discuss and plan various academic, co-curricular, extracurricular, and social activities in accordance with the university calendar. All these activities are included in the academic calendar of the institute. Technical events, Technical symposium at the National level, expert lectures, science exhibition, cultural activities, sports events are planned before the start of term. This advanced planning makes the teaching plan robust. Social activities such as NSS activities are planned as per the academic calendar of SPPU which are followed by the institute. All departments prepare their academic calendar in accordance with Institutes academic calendar. Various activities such as industrial visits, expert lectures, seminars/ workshops/ conferences, department social programs, etc are included in the department academic calendar. The teaching plan is prepared by each teacher which adheres to the academic calendar of the institute. Department Academic Committee has a standard procedure of fortnight monitoring that ensures smooth conduction of lectures and practical sessions. Attendance of student is daily observed and absences of the student are 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 the mentor-mentee meeting. Theory Class and practical records are maintained by the individual subject teacher as per the teaching plan and practical sessions. Internal examinations are conducted by all the departments on the dates planned in the academic calendar. Results of internal assessment are declared and communicated to students within a scheduled time. Every department conducts project progress reviews and seminar presentations as per the standard procedure set by each department according to the academic calendar of the 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, it observed that the institute adheres to the academic calendar for the conduct of CIE and all other activities during the semester. Thus, it's observed that the institute adheres to the academic calendar for the 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%20-2019-20.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
513961210	BE	Mechanical Engineering	137	134	98
513919110	BE	Civil Engineering	55	55	100
513950710	BE	Chemical Engineering	67	66	99

513946410	BE	Instrumentation Engineering	32	31	97
513937610	BE	Electronics Engineering	26	26	100
513937210	BE	Electronics & Telecommunication Engineering	51	41	80
513924610	BE	Information Technology	33	33	100
513924510	BE	Computer Engineering	59	59	100

[View Uploaded File](#)

## 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%202019-20.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
Major Projects	730	AICTE	9.61	7.69
Major Projects	1095	AICTE	21.96	21.96
Any Other (Specify)	730	IIT Bombay Alumni Association Makers Bhavan Foundation Mumbai	15	15
Total	Nil	-	46.57	44.65

[View Uploaded File](#)

### 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
Expert lecture on basics on wastewater treatment plant Technical sales	Chemical Engineering	02/07/2019
Expert lecture on Process safety pilot plant	Chemical Engineering	13/09/2019



Expert lecture on Personality Development	Chemical Engineering	24/09/2019
Expert lecture on Use of smart technology in preparation of GATE Exam	Chemical Engineering	25/09/2019
Training on Energy conservation and new sources of energy	Chemical Engineering	25/09/2019
Expert lecture on Process Engineering-Design of Heat Exchanger	Chemical Engineering	26/09/2019
Expert lecture on Safety in Chemical Industry	Chemical Engineering	26/09/2019
Expert lecture on fundamentals required to the industry	Chemical Engineering	07/01/2020
Expert lecture on material safety data sheet	Chemical Engineering	13/01/2020
Expert lecture on Application of chemical engineering principles in downstream process development for purification of biomolecules	Chemical Engineering	29/02/2020
Expert lecture on New opportunities in Chemical Engineering	Chemical Engineering	06/03/2020
Expert Lecture on Python Programming and MEAN Stack	Computer Engineering	13/02/2020
Lecture on Placement Assistance	Computer Engineering	11/01/2020
Expert Lecture on "Opportunities in Government Sector"	Civil Engineering	08/07/2019
Expert lecture on Soft skill	Civil Engineering	25/07/2019
Interactive talk on Entrepreneurship development	Civil Engineering	10/08/2019
Workshop on Aptitude preparation	Civil Engineering	17/02/2020
Expert lecture on Opportunities in industrial automation sector	Electronics Telecommunication Engg.	07/08/2019
Expert lecture on Career opportunities in cyber security	Electronics Telecommunication Engg.	27/07/2019



Three days Workshop on Embedded Systems Arduino IOT	Electronics Telecommunication Engg.	22/01/2020
Expert Lecture on Project Management Process Planning, Estimation Risk Analysis	Electronics Telecommunication Engg.	02/04/2020
Expert lecture on Career Guidance	Mechanical Engineering	24/06/2019
Expert lecture on Electrical Vehicles-A Revolution in Automobile Industry	Mechanical Engineering	03/07/2019
Expert lecture on Industrial Skill development	Mechanical Engineering	29/07/2019
Expert lecture on Road Safety and Recent Changes in Motor Vehicle Acts	Mechanical Engineering	16/09/2019
Expert lecture on Advances in Manufacturing Processes	Mechanical Engineering	16/09/2019
Expert lecture on Autobiography of Bharatratna Sir M.Vishweshwarraya	Mechanical Engineering	19/09/2019
Expert lecture on Role of Media in Value Building and Right to information Act.	Mechanical Engineering	26/09/2019
Expert lecture on Piping Design Engineering and construction	Mechanical Engineering	09/01/2020
Expert lecture on Current Trends in Automobile industry for simulation processes	Mechanical Engineering	17/02/2020
Expert lecture on Importance of SEIMENS of Global certification and knowledge of plastic domain	Mechanical Engineering	13/02/2020
Expert lecture on Fundamentals of Cooling tower	Mechanical Engineering	22/02/2020
Expert lecture on Business Loan	Mechanical Engineering	27/02/2020
Recent Trends in Manufacturing Expert lecture on Processes ,Tool and Machineries used in industry	Mechanical Engineering	28/02/2020

### 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
Teacher Glory Award (Outstanding Senior Faculty)	Dr.Vijaykumar R.Rathi	Elets World Education Summit 2020,Hyderabad	21/02/2020	-
Teacher Glory Award (Outstanding Senior Faculty)	Dr.S.M.Turkane	Elets World Education Summit 2020,Hyderabad	21/02/2020	-
Best Innovation Award	Team Quick Shifter	ISNEE MOTORSPORTS PVT LTD AT KARI MOTOR SPEEDWAY COIMBATORE, TAMIL NADU	10/02/2020	7 th GO KART DESIGN CHALLENGE

[View Uploaded File](#)

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

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

[View Uploaded 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	0

### 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	2	2.88
International	Computer Engineering	11	0
National	Civil Engineering	11	6
International	Civil Engineering	7	5
International	Electronics Engineering	11	6.1
International	Electronics and Telecommunication Engineering	6	6.46
International	Instrumentation and Control	13	3.98

	Engineering		
International	Mechanical Engineering	19	0
<a href="#">View Uploaded File</a>			

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
Chemical Engineering	3
Computer Engineering	3
Civil Engineering	5
Electronics Telecommunication Engg.	3
Instrumentation and Control Engineering	4
Mechanical Engineering	5
<a href="#">View Uploaded File</a>	

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 mentioned in the publication	Number of citations excluding self citation
Synthesis characterization of supported heteropoly acid: Efficient solid acid catalyst for glycerol esterification to produce biofuel additives	S.B. Magar	Inorganic Nano-Metal Chemistry	2020	1	Pravara Rural Engineering College, Loni	0
Electrochemical Process For Effective Treatment Of Hospital Waste Water	A R Warade	Ecology, Environment Conservation	2020	0.5	Pravara Rural Engineering College, Loni	0
Digital Certificate	Prashant Vikhe,	International	2020	0	Pravara Rural Engi	0

e System for Verification of Educational Certificates using Blockchain	Mungase Kiran, Jain Yashwant, Karanjule Raju	Journal of Advance Research and Innovative Ideas in Education			neering College, loni	
Smart Skin Disease Detection System	Dr. M. R. Bendre	Journal of Engineering Sciences	2020	0	Pravara Rural Engineering College, loni	0
Social Media Mental Disorder Detection using Machine Learning Algorithm	K.D. Tamhane	IJRASET	2020	0	Pravara Rural Engineering College, loni	0
Smart Cart Obsonium based on Secure System	M.D. Nirmal	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	0	Pravara Rural Engineering College, loni	0
Speed control of BLDC Motor using Open Loop, PID Controller and Neural Network	V.P. Vikhe	International Journal of Engineering and Advanced Technology (IJEAT)	2019	0	Pravara Rural Engineering College, loni	0
Artificial Bee Colony Optimization Based Speed Control of DC Motor	V.P. Vikhe	International Journal of Engineering and Advanced Technology (IJEAT)	2019	0	Pravara Rural Engineering College, loni	0
Design of Fuzzy Controller Based on Penman-Monteith Equation for Drip	V.P. Vikhe	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	Pravara Rural Engineering College, loni	0

Irrigation						
Inference Model for Environment Detection using IoT and SVM	V.P. Vikhe	Research Journal of Engineering and Technology (IRJET)	2019	0	Pravara Rural Engineering College, Loni	0
<a href="#">View Uploaded File</a>						

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
Automatic Body Fall Detection System for Elderly People using Accelerometer and Vision Based Technique	Dr. S. M. Turkane	International Journal of Recent Technology and Engineering (IJRTE)	2019	6	0	Pravara Rural Engineering College, Loni
Design of PI controller for Liquid Level System using Siemens Distributed Control System	Dr. S. M. Turkane	International Journal of Recent Technology and Engineering (IJRTE)	2019	6	0	Pravara Rural Engineering College, Loni
Energy Efficient Technology for Solid Waste Management in IoT-Enabled Smart City	Dr. S. M. Turkane	International Journal of Recent Technology and Engineering (IJRTE)	2019	6	0	Pravara Rural Engineering College, Loni
IOT Based Ration Distribution System Using Aadhar	Dr. S.M. Turakane	International Journal of Scientific Technology Research (IJSTR)	2019	6	0	Pravara Rural Engineering College, Loni

Card						
Iot Based Attendance Management System With High Security	Dr. S.M. Turakane	International Journal of Scientific Technology Research (IJSTR)	2019	6	0	Pravara Rural Engineering College, Loni
Multichannel Speech Deriverberation using Generalized Sidelobe Canceller and Post Filter	S.S. Lavhate	Springer Nature Singapore Pte Ltd. 2018	2019	0	1	Pravara Rural Engineering College, Loni
Artificial bee colony optimization technique based speed control of dc motor	P.S. Vikhe	International Journal of Engineering and Advanced Technology	2019	3	0	Pravara Rural Engineering College, Loni
Design of fuzzy controller based on penman-monteith equation for drip irrigation	P.S. Vikhe	International Journal of Engineering and Advanced Technology	2019	3	0	Pravara Rural Engineering College, Loni
Speed control of BLDC motor using open loop, PID controller and neural network	P.S. Vikhe	International Journal of Engineering and Advanced Technology	2019	3	0	Pravara Rural Engineering College, Loni
Synthesis characterization of supported hetropoly acid: Efficient solid acid catalyst for	S.B. Magar	Inorganic Nano-Metal Chemistry	2020	0	0	Pravara Rural Engineering College, Loni

glycerol esterification to produce biofuel additives					
<a href="#">View Uploaded File</a>					

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	14	290	77	35
Presented papers	19	9	3	0
Resource persons	0	1	0	0
<a href="#">View Uploaded File</a>				

### 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
NSS Winter Camp	SPPU Pune	10	75
Constitution Day Celebration	SPPU Pune	4	90
Gandhi Jayanti	NSS	14	76
Pandharpur Vari Dindi Camp	SPPU Pune	2	5
Road Safety for Girls by Honda Motorbikes	Honda Motorbikes	4	75
Yuva Mahiti doot program in collaboration with Unicef	Unicef	2	73
Anti-Tobacco Day	NSS	8	65
Blood donation camp	NSS	12	45
<a href="#">View File</a>			

#### 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	0
<a href="#">View File</a>			

#### 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	Important aspects of toilet and its cleaning	10	60
Aids Awareness	Maharashtra state AIDS control society	Important aspects of ART treatment	2	51
<a href="#">View File</a>				

### 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	00	Nil	00
<a href="#">View File</a>			

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
Training	Internship	Sangamner Taluka Sahakari Dudh Utpadak Prakria Sangh Ltd., Sangamner	10/06/2019	20/06/2019	1
Training	Internship	Trustwell Engineering Shrirampur	19/06/2019	29/06/2019	3
Training	Internship	Bilt Graphic Paper Products Bhigwan	17/06/2019	22/06/2019	1
Training	Internship	Alvin Caramel Colours (India) Pvt. Ltd., Ahemdnagar	20/06/2019	02/07/2019	9
Training	Internship	Marico Limited Jalgaon	06/06/2019	13/06/2019	2



Training	Internship	Shree Durga Syntex Pvt. Ltd, Surat, Gujrat	20/06/2019	02/07/2019	1
Training	Internship	RCF Alibag	17/06/2019	22/06/2019	10
Training	Internship	Surfactoat Chemicals Pvt. Ltd, Pune	06/06/2019	13/06/2019	1
Training	Internship	SMS Waluj, Aurangabad	17/06/2019	26/06/2019	5
Training	Internship	Prabhat Dairy Shrirampur	17/06/2019	23/06/2019	5
<a href="#">View File</a>					

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
Asian Academy of Professional Training	10/07/2019	Training and Project	90
Trust Well Engineers Pvt Ltd, Pune	01/08/2019	Industrial visit, Training, Placement Project	2
Enviro Watertech Engineers, Pune	24/06/2019	Industrial visit, Training, Placement Project	1
Coding Vision Infotech Pvt. Ltd, Aurangabad	14/06/2019	Industrial visit	120
Debuggee Software Pvt Ltd,	24/07/2019	Industrial Visit, Training to Students. Organizing Seminar, Expert Lecture	1
Exploresys Pvt Ltd	24/07/2019	Industrial Visit, Training to Students. Organizing Seminar, Expert Lecture	1
NPIT Solutions Pvt.Ltd.Nasik	10/08/2019	Industrial Visit, Training to Students. Organizing Seminar, Expert Lecture	60
Webmind IT Solution, Pune	09/02/2020	Internship	6

Fox Solution, Nashik	08/01/2020	Placement	22
MNC Automation and Services	03/07/2019	internship	3
<a href="#">View File</a>			

#### 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
22.6	28.59

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
<a href="#">View File</a>	

##### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Fully	3.22.07.000	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	8546	3330505	210	168476	8756	3498981
Reference Books	34184	13322021	839	673905	35023	13995926
e-Books	9703	1924593	0	0	9703	1924593
Journals	96	266910	96	225477	192	492387
e-	3	727510	3	433586	6	1161096

<b>Journals</b>						
Digital Database	10708	0	0	0	10708	0
CD & Video	2300	0	70	0	2370	0
Library Automation	1	235000	0	0	1	235000
Weeding (hard & soft)	0	0	0	0	0	0
Others(s pecify)	0	0	0	0	0	0
<a href="#">View File</a>						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. Sachin Anap	OPP	YOUTUBE	18/03/2020
Mr P. P. Chitte	Binary Addition using 2's Complement	YOUTUBE	17/03/2020
Mr P. P. Chitte	Binary Subtraction	YOUTUBE	17/03/2020
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	710	33	30	0	1	36	654	60	0
Added	0	0	0	1	0	0	0	10	0
<b>Total</b>	<b>710</b>	<b>33</b>	<b>30</b>	<b>1</b>	<b>1</b>	<b>36</b>	<b>654</b>	<b>70</b>	<b>0</b>

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

70 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	<a href="https://www.youtube.com/channel/UC83nyu9ULBK3Of9JZUU5N1g">https://www.youtube.com/channel/UC83nyu9ULBK3Of9JZUU5N1g</a>
Pravara Alumni You Tube Channel	<a href="https://www.youtube.com/channel/UCxnDKMLB_JqjLowWR28CjpQ">https://www.youtube.com/channel/UCxnDKMLB_JqjLowWR28CjpQ</a>

Entrepreneurship Development Interactive Session~ Mr. Nikhil Madaan	<a href="https://youtu.be/0P1XIKegxuY">https://youtu.be/0P1XIKegxuY</a>
A Guest lecture on "Gas Turbine Engines" by Dr. Subhir Mozumdar, Professor, IIT-Kharagpur	<a href="https://youtu.be/qY3rD8wetYQ">https://youtu.be/qY3rD8wetYQ</a>
Expert Lecture on Personality life skills for success in career	<a href="https://youtu.be/I3OZ0o4h_o8">https://youtu.be/I3OZ0o4h_o8</a>
NPTEL Local Chapter	<a href="https://nptel.ac.in/LocalChapter/">https://nptel.ac.in/LocalChapter/</a>

#### 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
136.47	97.08	114.99	157.44

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 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 classrooms are cleaned every day by peons of respective departments and its record is maintained. Tutorial Rooms: Tutorial rooms are cleaned every day at the 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, consumables, and maintenance is proposed to management through HOD and Principal. A list of non-repairable equipment's/instruments is prepared by the 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 the technical assistant of that department. Equipment: All laboratories of every department have a maintenance register. Equipment is regularly monitored. A team of experts looks after the Write-Off of material. Computers: Team of technicians of System department, laboratory in-charge is responsible for maintenance of computers. Central Library: Bookshelves, racks, and the entire library are daily cleaned using a vacuum cleaner. Dept. Library: Every department has a departmental library and it is taken care of at the departmental level. Internet: System head, System administrator, and a team of technicians look after the maintenance of daily bandwidth, usage, bandwidth allocation, and sharing. Electricity: Institute has an electrical maintenance department, which looks after the entire maintenance of electricity. Water Supply: Sufficient water is made available to cater to the need for water for drinking as well as other purposes. Ample RO water is provided on the campus as well as in hostels. For washrooms, garden sufficient water is made available. Cleaning of water tanks, maintenance of RO system is done periodically. Civil Maintenance: Institute has a separate department for Civil Maintenance to look after all the requirements and maintenance of buildings and all related structures. Security: Main security officers Mr. Dengale N.B. and Tambe P.R., supervisors and watchmen look after the security of the 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 on 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	152	3905000
Financial Support from Other Sources			
a) National	State and central Government	1752	84069809
b) International	NIL	0	0
<a href="#">View File</a>			

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 implementation	Number of students enrolled	Agencies involved
Industrial Skill development	29/07/2019	173	Mr.Vinay Pathak and Veeresh Ekheili Chief Relation Officer,AMZ Automotive,Pune, 9307464149
Soft Skill for Industry	01/06/2020	80	Dr.Sachin Gadekar ,MIT ,Pune 7588541873
Employability mentoring program- soft skill and personality development CUSUCCED	16/01/2020	55	Mr. Srikant Sundergiri, CUSUCCED, Ballarpur
Seminar on Soft Skill	01/06/2020	23	Prof. Sachin Gadekar Faculty at MIT peace University, Pune.
Workshop on Latex	29/04/2020	84	IIT Bombay Mob: 9518996009
Soft and Industrial training program for all BE students	25/09/2019	55	Mr. Srikant Sundergiri, Barclay's , Pune
Remedial coaching	18/10/2019	196	Department Faculties
English Language test	04/09/2020	60	Digital Language Lab,P.R.E.C,Loni

International Yoga Day Celebration 2019-20	22/06/2019	30	NSS Unit PREC, Loni
Teacher Guardian Scheme	17/06/2019	1265	Departmental Faculty
<a href="#">View File</a>			

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
2020	Guidance for Competitive examination, Career Counselling activities	384	2705	1	190
<a href="#">View File</a>					

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
0	0	0

## 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
TCS Mock Test ,TCS NQT Ninja 2020 Test TIAA Global Business Cognizant Technology Solutions WebTech Solutions Pvt.Ltd. SRK Technologies Pvt.Ltd. Surat TechnoGrowth Pvt.Ltd. Pune	714	87	Vishal Chugera Properties India Pvt Ltd Pune.,Gujrat Ambuja Exports Ltd. Chalisgaon, Macleods Pharmaceuticals Pvt.Ltd. Sarigam, Konark Group of Industries Nashik, Rishabh Electronic	617	109

Dhoot Transm ission,Pune Virtuoso Project Engineers Pvt Ltd ,Pune			s,Nashik,Cap gemini Pvt.L td.Pune,Info sys,Pune,TIA A Global Business,		
-------------------------------------------------------------------------------------	--	--	---------------------------------------------------------------------------------------	--	--

[View File](#)

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
2019	1	Bachelor of Engineering	Civil Engineering	JSPM Tathwade, Pune	ME Civil (Structures )
2019	4	Bachelor of Engineering	Civil Engineering	Pravara Rural Engineering College Loni	ME Civil (Structures )
2019	1	Bachelor of Engineering	Electronics and Telecomm unication Engineering	Pravara Rural Engineering College Loni	M.E VLSI and Embedded System
2019	1	Bachelor of Engineering	Mechanical Engineering	Pravara Rural Engineering College Loni	ME Mechanical (Design Engineering )
2019	1	Bachelor of Engineering	Mechanical Engineering	Pravara Rural Engineering College Loni	ME Mechanical (Design Engineering )
2019	1	Bachelor of Engineering	Mechanical Engineering	Pravara Rural Engineering College Loni	ME Mechanical (Design Engineering )
2019	1	Bachelor of Engineering	Chemical Engineering	Sinhagad College of E ngineering,P une	Master of Business Adm inistration
2019	1	Bachelor of Engineering	Chemical Engineering	Pravara Rural Engineering College Loni	ME Chemical Engineering
2019	1	Bachelor of Engineering	Computer Engineering	Pravara Rural Engineering College Loni	ME Computer Engineering

2019	1	Bachelor of Engineering	Information Technology	Pravara Rural Engineering College Loni	ME Computer Engineering
<a href="#">View File</a>					

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
NET	0
SET	0
SLET	0
GATE	1
GMAT	0
CAT	0
GRE	0
TOFEL	0
Civil Services	0
Any Other	0
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Shivjayanti	College	354
Cultural Festival 2019" under Ek Gaon Ek Ganpati	Intra- College	51
Annual Sports Activity	College	552
<a href="#">View File</a>		

### 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
2019	Nil	International	Nil	Nil	Nil	Nil
2019	Nil	National	Nil	Nil	Nil	Nil
<a href="#">View File</a>						

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 programs.



3. University Representative is from third year and topper from the 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 the second year and one from the final year. 6. NSS representative is appointed by NSS Program Officer. Following are the committee members for the 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 the Student Council includes: • The student members bring forward the views and suggestions of the entire class related to academics. • The Student Council helps students share ideas, interests, and concerns with faculties and the Principal. • To organize State, National or University level events every year to motivate students to participate in technical and non-technical events . • To organize the annual social gathering every year this includes Sports events, Project Exhibition, Art gallery, Funfair, 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 follows 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 that 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 a 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 the 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 a greater extent in real-time projects.
5. To invite alumni for delivering expert talks through online and offline platforms, to invite as a chief guest for various events at PREC,

Loni. 6. To use the expertise of Alumni for the benefit of the 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:

12846

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

125000

5.4.4 – Meetings/activities organized by Alumni Association :

During this academic year, 2019-20 following activities were organized by the alumni association for students in which 68 expert lectures were conducted, 284 students benefitted in training, 99 Students were benefitted in Placement, 68 MOUs were signed with various industry, 31 industrial visits were conducted, 91 students got benefitted for Internship

## **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. Regular meetings are conducted with the HOD by the Principal. The suggestions and opinions of the members are considered. HOD's are assigned with the academic and administrative work. The departmental meetings are conducted by the HOD with the teaching staff focusing on improving the academics, co-curricular, and extra curriculum activities. In addition to this, faculties are involved in various decision-making processes of the institute viz College Development Committee, etc. A case study showing a procedure for the purchase of equipment in the College. I) 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, the Principal discusses the equipment requirements and puts them forward in the College development committee (CDC) and GB meeting for approval. 8. Principal seeks approval of the 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, the 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 percent payment of the vendor is released and 10 percent is held back against bank guarantee for the period of one year. 17. 10 percent amount is released after satisfactory performance of the equipment, ensured by a lab in charge after one year. II) Participation of teachers in decision making bodies: The GB approves the road map for achieving perspective goals and makes financial provisions for necessary infrastructure and facilities in order to provide Quality Technical Education in the Pravara area. College Development Committee (CDC) and all mandatory committees are functioning effectively to take awareness of all stakeholders.

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
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.
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.

**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. 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.
<p>Research and Development</p>	<p>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.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>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</p>



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.

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.

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. Industry experts are appointed as examiners for analyzing students in examinations.

**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 hasslefree 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 State Common Entrance Test Cell and the Directorate of Technical Education through the Centralized Admission Process (CAP Round).

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

E-governance area	Details
<p><b>Planning and Development</b></p>	<p>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.</p>
<p><b>Administration</b></p>	<p>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</p>

	<p>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 temporary staff members (in addition to the existing biometric system to record the attendance of permanent faculty members.)</p>
Finance and Accounts	<p>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.</p>
Student Admission and Support	<p>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.</p>
Examination	<p>The institute uses the SPPU examination portal for the online examination and exam form filling.</p>

### 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
Nill	Mr. M.S.Mhaske	International Conference on Tribology ( IndiaTrib-2019) at IISc Bangalore	---	5000
2019	Mrs. S. S Lavhate	5th International Conference on. Computing, Communication, Control And Automation	--	1425
2019	Mrs.V.S.Takate	International Conference on Recent Developments in	--	3518



		Control, Automation Power Engineering		
2020	Mr. A. H. Ansari	International Conference on Recent Advancements in Technological Evolution-2020 organized by ALAS COE and Tech. Malegaon	--	3500
2019	Mr. S. S. Turkane	FDP on Biomedical Signal Processing at NIT Warangal	--	2500
2019	Ms.Diba .A.Ansari	STTP On Recent Trends in machine learning IOT	--	1000
2019	Mr. V. A. Aher	FDP on Biomedical Signal Processing at NIT Warangal	--	2500
2019	Mr. S. R. Aher	One day workshop on e- sim at DYPCOE Akurdi	--	900
2019	Mr. S. R. Aher	FDP on Biomedical Signal Processing at NIT Warangal	--	2500
2019	Mr. R.R.Kharde	international Conference on Tribology ( IndiaTrib- 2019) at IISc Bangalore	--	5000
<a href="#">View File</a>				

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)
2020	Workshop	--			118	Nil

	on Virtual Lab		06/03/2020	06/03/2020		
2020	FDP on BOSS Linux	--	30/04/2020	06/05/2020	73	Nil
<a href="#">View File</a>						

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
online FDP on "Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation"	1	25/05/2020	29/05/2020	5
NPTEL Certification Course on "NBA Accreditation and Teaching Learning in Engineering (NATE)"	11	27/01/2020	17/04/2020	90
Advances in Fluid Heat and Mass transfer	5	16/12/2019	20/12/2019	5
NPTEL Certification Course on "Principles of Industrial Engineering"	2	27/01/2020	17/04/2020	90
Online Training Program on "Fundamentals of Robotics for Precision Agriculture"	4	26/05/2020	31/05/2020	6
One Week FDP on "Product Design and Novelty"	1	06/06/2020	10/06/2020	5
One week QIP STTP on Solar Thermal Technology for	1	17/06/2020	21/06/2020	5

process heat and power				
STTP on Design, Modeling and Simulation of Advanced Composite Structures using FEM software	3	09/12/2019	13/12/2019	5
STTP on Innovations and Research Challenges in IoT Applications for Smart Manufacturing and Smart Design	3	07/12/2019	14/12/2019	8
Spoken tutorial course in Q cad	13	24/04/2020	01/05/2020	8
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
98	96	174	174

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>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 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</p>	<p>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 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</p>	<p>Scholarship from Samajkalyan</p>

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.

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 financial consent. Whenever required the internal audits are carried out by the 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 have complied. • The internal auditors are appointed by PRES Loni. The institution is having qualified to practice 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.

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
AICTE New Delhi	620000	Skill Development
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

00

## 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	PRES	Yes	IQAC
Administrative	Yes	PRES	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 the industrial sector, support 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 analyzed by continuous internal Evaluation (CIE) for all the subjects. 5. Implemented SOP in the institute. 6. Institute insists on online courses like NPTEL and video lectures to support classroom 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
2019	Internship to the students	01/06/2019	01/06/2019	15/07/2019	331
2019	Induction program to First year students	01/08/2019	01/08/2019	14/08/2019	346
2019	Software courses of Spoken Tutorials through IIT Bombay	01/07/2019	01/07/2019	01/08/2019	315
2020	Software courses of Spoken Tutorials through IIT Bombay	01/01/2020	01/01/2020	01/02/2020	198

2020	Soft skill training for all final year students by CuSucceed on Employability Development	16/01/2020	16/01/2020	30/01/2020	411
2019	BARCLEYs free soft and Industrial training program for all final year students	18/09/2019	18/09/2019	22/09/2019	110
2020	Workshop on Virtual Lab	16/03/2020	16/03/2020	16/03/2020	118
2020	FDP on BOSS Linux	30/04/2019	30/04/2019	06/05/2019	73
2019	Bharti Mela	02/08/2019	02/08/2019	02/08/2019	506
<a href="#">View File</a>					

## 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
Seminar on Road Safety for Girls organized by NSS	25/07/2019	25/07/2019	95	4
Induction Programme	07/08/2019	17/08/2019	51	125
Seminar on "Women Empowerment"	11/08/2019	11/08/2019	54	12
"Nirhaya Kanya Abhyan" At Snehadhar, Ahmednagar	16/09/2019	16/09/2019	26	66
Street Play On Gandhi Janti at Loni Grampanchayat	02/10/2019	02/10/2019	45	22

Awareness program on Menstrual hygiene management, Sanitary Pad Distribution PREC,Ladies Hostel	04/01/2020	04/01/2020	270	0
Sanitary Pad Distribution ,Ashram Shala, Lohare	04/01/2020	04/01/2020	120	0
SEMINAR AT PANDIT NEHARU VIDYALAYA NIMAGAON JALI SANGAMNER	08/02/2020	08/02/2020	60	25
Awareness program on Menstrual hygiene management, Sanitary Pad Distribution at Gogalgaon highschool and Rampurwadi School	11/01/2020	11/01/2020	170	0
Tree plantation in Chatrapati Shivaji Maharaj Hostel on the occasion of International Youth Day as well as Birth anniversary of Rajmata Jijau.	12/01/2020	12/01/2020	12	27
Various event for First Year on foundation day celebration	02/02/2020	03/02/2020	154	45
Street Play on 390th Birth Anniversary of Chhatrapati Shivaji Maharaj	19/02/2020	19/02/2020	122	27
Rangoli, Debate ,speech, Drawing, Painting & Veshbhusa competition	18/02/2020	19/02/2020	67	25

Seminar on Mahila Sablikaran, at Aswi High school, Sangamner	08/03/2020	08/03/2020	80	18
--------------------------------------------------------------	------------	------------	----	----

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
<p>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. • Solar Power Plant (On-Grid System) Institute had installed 500 KW capacity Solar Power Plant (Grid Connected Solar Power System) to Ministry of New and Renewable Energy Sources (MNRE), Govt. of India. The installation work was completed by the M/s. BOSS Electro multi-services Pvt. Ltd. on the roof of Pravara Rural Engineering College. The 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 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 switching off electronic instruments, fans and tubes whenever not in use. • Most of the old CRT-based Computers are replaced by LCD monitors. • Minimum requirement of tube lights and fans because of sufficient natural lights in class rooms as well various laboratories and staff seating places.</p>

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	0

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
2019	4	2	01/07/2019	365	Bus Transport Facility	As transport facility has Major problem In the nearby	124



						places central Of the college. Therefore Institute has opted and encourage students to avail facility of shared Transport by providing Bus facility	
2019	4	2	23/12/2019	7	NSS Camp	Creating Social awareness among students	68
2020	1	1	18/02/2020	2	Blood Donation, Tree plantation, Debate	Creating awareness in the young generation regarding blood donation. And various social activities like tree plantation, street play etc	42
2020	1	4	19/03/2020	1	Nirbhaya Astep towards Change	Welfare contribution	122
2020	1	1	01/02/2020	10	Career opportunities	Career counseling seminars organized from 1 to 10 feb.2020 for Career op	145

opportunities after 12th.MPSC UPSC examination and other competitive exam.

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
<p>Handbook for stakeholders (Code of conduct)</p>	<p>01/06/2019</p>	<p>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.</p>
<p>CODE OF CONDUCT FOR STUDENTS</p>	<p>01/06/2019</p>	<p>The intention of code of conduct is to lay down a certain way and rule for smooth operational working of College to achieve its vision and mission. Code of conduct for students is official documents intended to introduce and keep fairness and discipline among students to keep college interest and reputation. 1. All student of Pravara Rural Engineering (PREC), Loni are bound by the laws and regulation of Savitribai Phule Pune University (SPPU), All India council of Technical Education (AICTE) and statutory bodies of Government of India amended time to</p>

time. Any suspicious action disobeying the law will be referred to corresponding authority for investigation and action. 2. PREC Loni believed in encouraging safe, secure, environmental friendly campus by enforcing rules campus. 2.1 Every student of PREC, Loni is issued with an individual identity card, library card. These cards will remain the property of PREC, Loni and students are required to present this identification to concerned authority upon request. 2.2 Regular classes/practical sessions will begin at 9.00 am in morning and concludes at 5.00 pm in the evening. 2.3 Student should be regular and must complete his/her study in the college in allotted time period. 3. Participating or performing following activity or event is considered as punishable offences. 3.1 Any suspects intending to discrimination based on color, cast, religion, language, sexual orientation, physical or mental disability and family status. 3.2 Any type of ragging inside the institute campus. 3.3 Planning for meeting or possession in institute campus without permission from institute. 3.4 Working for a religious or terrorist group banned by statutory bodies of government of India. 3.5 Carrying weapon or potential weapon, explosive, ammunition in the institute. 3.6 Threatening to any students or staff of

institute. 3.7 Drinking/ selling of alcohol inside the institute campus. 3.8 Chewing of ghutkha, tobacco or smoking in the College campus. 3.9 Throwing of empty bottle in the college campus. 3.10 Disobeying the instruction/Misbehavior with security guard of staff of institute. 3.11 Illegal access to resources or locations. 3.12 Rash driving in institute campus. 3.13 Misbehaviors in student council election and or any activity of the college interest. 4. All student of PREC, Loni has right to have 4.1 Harassment free campus for self learning. 4.2 Regular feedback on academic progress. 4.3 Be treated with respectful and equitable manner and Enquire and speck freely. 5. Every student of PREC, Loni has responsibility to 5.1 Value the assets and privileges of other. 5.2 Ensure all reformation given to institute is correct and not misleading. 5.3 Maintain conducive environment for smooth functioning of academics activities. 5.4 Be self motivated and active member for learning. 5.5 Behave in manner which does not bring reputation of institute down. 5.6 Check notice board, website of institute for updated regulation and policies laid time to time.

CODE OF CONDUCT FOR STAFF

01/06/2019

The code of conduct for faculty/staff is an important document that reflects culture and values of Pravara Rural Engineering (PREC). These guidelines are defined to

set and promote standards to achieve institute's vision and mission. 1. Rules and Regulation: All faculty/staff of PREC Loni are bound by the laws and regulation prescribed by Management of Pravara Rural Education Society, Loni, Savitribai Phule Pune University (SPPU), All India council of Technical Education (AICTE) and statutory bodies of the government of India amended time to time. 2. Harassment and Discrimination: The PREC Loni is committed to empower faculty by providing equality, freedom and opportunities in which all the members of the community can pursue career and study without any harassment and discrimination. Any type of discrimination and harassment based on gender, caste, religion, color, disability, sexual orientations will be reported to the corresponding authority for investigation and suitable action. 3. Confidential Information: All faculty of PREC Loni should work to maintain and enhance the reputation of the institute. PREC Loni proscribes/ prohibits disclosure and argument of confidential information after or during service period without prior written permission from the institute. Such information includes but not limited to 3.1 Personal, health and or financial information of student of the institute. 3.2 Personal information of any employee of

institute. 3.3 Disclosure of opinion, advice and decision made by authority of institute during faculty appraisal, faculty evaluation or similar process. 3.4 Any information or data of institute interest and declared as confidential.

4. Assets of Institute: It is expected that all faculty/staff of PREC Loni will make optimum use of resources in an efficient and economical way for development of the institute. It is the responsibility of faculty/staff to prevent exploitation of these available resources by others. All faculties are reminded that assets of institute are to be used only for PREC Loni.

5. Information and Communication Technology: PREC Loni provides faculty/staff with access to various Information and communication technology tools such as personal computer, printer, scanner, network infrastructure, the internet and PREC Loni gmail for ease of communication and to increase the performance of their work. These technology tools should be used for effective teaching, administration, and communication with students and staff members. Use of these tools for inappropriate or illegal activity is strictly prohibited and considered as a punishable offense.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Tree Plantation	14/08/2019	14/08/2019	45
Blanket cloths	22/09/2019	22/09/2019	56

donation to needy people			
Swachh Bharat Abhiyan, Cleanliness of Some part of Loni Villege on Gandhi jayanti	02/10/2019	02/10/2019	87
Constitution Day celebtation by NSS	26/11/2019	26/11/2019	115
Blood Donation on 3rd Death Anniversary of Padmabhushan Dr. Balasaheb Vikhe Patil	30/12/2019	30/12/2019	32
Tree plantation in Shivaji Hostel on the occasion of Swami Vivekananda Jayanti	21/01/2020	21/01/2020	32
<a href="#">View File</a>			

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Tree Plantation - Tree-planting was done by Team NSS on various occasions Also institute made the policy to felicitate the Guests with the plant saplings that will lead to Environment-friendly culture. A good initiative was taken by the college toward a green campus. Sprinklers are used for watering plants and lawns.

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 to save the environment, leading to safe and secure life, in turn, will benefit all

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.

Renewable Energy - Institute has installed 500 KW capacities Solar Power panel system on 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 Renewable Energy.

Waste Management - Cleanliness is maintained on 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.

Rainwater harvesting- Rainwater harvesting plant implemented on the campus to avoid scarcity of water on summer days. Also, Sprinklers are used for watering the plants and lawns

#### 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

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 higher education independently. This scheme is basically undertaken for the benefit of students 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 level coordinators appointed by the Principal display 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 the College coordinator. ? In Earn Learn Scheme University sponsors a yearly certain amount and In addition to that college, the contribution is more than 20 of that amount towards the bill of students i.e. (S.E, T.E, and B.E). ? Monthly bill is being transferred to their respective bank accounts. ? The details of students involved in the practice are as follows in Table No.1 Evidence of Success:-Enhancing the efficiency of the students in the 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. Bharti Mela Objectives of the Practice: ? To provide employment to multidisciplinary students. ? To supply the skilled manpower to the industry in a single place. The context: The main objective of the scheme is to provide employability to multidisciplinary i.e. Engineering, Polytechnic, ITI, BA, BCom BSc students. The industry got the skilled manpower at a single location. The Practices: ? The institute organized the Bharti Mela every year since AY 2016-17. ? Multidisciplinary students were got employability in the various industries. Evidence of Success: Give the best platform to the students to show their talents and knowledge and the result of the selection of the students in the various industries. Problem Encountered and Resources Required: Sometimes selected students are not joined to the industry if he/she got a better opportunity. Title of the Practice: Best Practice 3: Tinkerer's Lab Objectives of the Practice: a. To promote innovative practices among students b. To organize project competitions c. To encourage students for learning by doing d. To identify industry needs and solve those problems practically e. To inculcate research among the students f. Perform interdisciplinary projects g. Make product based equipment useful for rural area The context: The main objective of the scheme is to encourage the students in innovative practices and to encourage students for learning by doing and also to monitor the overall progress of students during his/her graduation. The Practices: • A Memorandum of Understanding (MOU) has been signed with The Maker Bhavan Foundation to execute the smooth functioning of Tinkerer's Lab dated 03/02/2020 to create an enabling environment for students that encourages creativity, hands-on and project-based learning and Innovation. • Project proposal is created for issuing Tinkerer's Lab components. • Progress report is created. • Progress of project report taken from students who issued components. • Project exhibition. ? Governance (Administration of the lab and Operating Procedures) Timing: - 9.00 a.m. to 9.00 p.m. Admission to TL Lab • Admission Form • Permission from HOD/Principal • ID Card • Attendance Register Lab Record • Preparation of Equipment List • Dead Stock /Consumables Register Training • Training for Students to use Machinery • Small Projects to improve basic skills Procurement and Utilization • Accounts • Purchase Procedure • Utilization register Facilities • LCD Projector • Computer • Smart Board • Notice Board • Internet



Connection Evidence of Success -Improvement in the students progression ?PCB Workshop (22/01/2021) ?PLC Workshop (1/03/2021) ?3D Printing Workshop for all students (06/03/21) ?3D Printing Workshop for First Year students (06/03/21) ?Python Workshop organized.(13-15/03/21) ?Poster Presentation event organized (19/03/21) ?Project Documentation workshop organized (19/03/21) UPCOMING EVENTS ?Workshop on IOT using Arduino. ?Workshop on Line Follower Car Obstacle avoider Car. ?RC Car Competition. ?Project Exhibition. Problem Encountered and Resources Required: Sometimes students Interest is less hence need motivation

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%202019-20.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 the implementation of several innovative and first of its kind beneficial practices like an 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 a remarkable increase in the academic excellence of our students. The development of our students and staff and constant up-gradation of their knowledge and skill is of prime importance. They are encouraged to participate in the seminars, workshops, symposiums, and training programs, 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 training 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 the 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 sector 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 topmost positions in several countries at different geographical locations. We have a strong alumni association and every year regular alumni meet is organized on 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 a "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/Institute%20Distinctiveness-19-20.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, institute has been initiating, implementing and proposed various activities in the next academic year. 1. 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. 2. To strengthen Outcome Based Education (OBE) echo system in teaching learning process 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 4. To organize and attend conferences, workshops, STTPs, FDPs, seminars, webinars and encourage the faculty for industrial training. 5. 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. 6. Rationalization of Courses 7. Strengthening the Alumni database and their contribution at Institute level. 8. To improve industry relevant research project/consultancy/training activities which promotes the research culture among the faculty and students. 9. To increase research publications of faculty in indexed journals. 10. To promote the extension activities along with NSS unit, and various departments in the organization of various events like Swach-bharat Abhiyan, Expert lecture/seminar on women empowerment and women safety , tree plantation, street play and blood donation camps etc.