



## YEARLY STATUS REPORT - 2021-2022

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	ALARD COLLEGE OF ENGINEERING AND MANAGEMENT , PUNE
• Name of the Head of the institution	Dr. K.D.Sapate
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02066523700
• Mobile no	8411010602
• Registered e-mail	principalacem@alardinstitutes.com
• Alternate e-mail	info@alardinstitutes.com
• Address	Survey No 50 , Near Rajiv Gandhi Infotech Park , Phase-II ,Hinjewadi , Marunje , Pune -411057 , Pune , Maharashtra.
• City/Town	PUNE
• State/UT	Maharashtra
• Pin Code	411057
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	Savitribai Phule Pune University, Pune				
• Name of the IQAC Coordinator	Prof Kavita Shrivastava				
• Phone No.	02066523702				
• Alternate phone No.	02066523700				
• Mobile	9901966224				
• IQAC e-mail address	kavita.st5476@gmail.com				
• Alternate Email address	reshma.kharche17@gmail.com				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://www.alardcollegeofengineering.com/NAAC/AQAR-III%202020-21.pdf">https://www.alardcollegeofengineering.com/NAAC/AQAR-III%202020-21.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.alardcollegeofengineering.com/NAAC/Academic%20Calender%2021-22.pdf">https://www.alardcollegeofengineering.com/NAAC/Academic%20Calender%2021-22.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.16	2019	26/11/2019	25/11/2024
<b>6.Date of Establishment of IQAC</b>			18/12/2017		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institute	Donation in terms of E-Rickshaw for Education Purpose	ParamTech Electric Motors Pvt.Ltd.	2021-22	3,50000
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>		<b>Yes</b>		
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>		<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>		<b>4</b>		
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>		<b>No</b>		
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>		<a href="#">View File</a>		
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>		<b>Yes</b>		
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		<b>3,50000</b>		
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>				
<p>1. First International Conference on Alternative Fuels and Electric Vehicles conducted in Dec 2021. 2. Permanently affiliated from Savitribai Phule Pune University, for all departments of Institute. 3. Approved as Nodal Centre for Virtual Labs by IIT Bombay for Current Academic year. 4. Use of Google Classrooms and Virtual labs and MS TEAMS under ICT for further improvement in Teaching Learning Process. 5. AQAR-III Submitted on 15/01/2022.</p>				
<b>12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>				

Plan of Action	Achievements/Outcomes
IQAC Meetings Scheduled	Conducted on 26/07/2021 and 03/01/2022
Permanent Affiliation from Savitribai Phule Pune University, Pune	Extensive efforts are taken by IQAC and Received Permanent Affiliation from SPPU
To get funding for benefit of students.	Received Funding of E-Autorickshaw from ParamTech Electric Motors Pvt.Ltd for students benefit.
To conduct International Conference on alternative fuels and Electric Vehicles 2021.	Successfully conducted International Conference dated 09/12/2021 and 10/12/2021.
To get Nodal Centre for Virtual Labs from IIT Bombay for Academic Year 2022.	Nodal Centre for Virtual Labs by IIT Bombay approved till 31st Dec 2022 based on previous reports.
To encourage Faculties to attend program and workshop to enable them to use ICT for teaching Learning .	Attended number of programes organized by IIT Spoken Tutorial, Bombay in association with various colleges and also reagrding ICT Improvement like Virtual Labs training , webinars, Faculty development programs.
To offer value added courses for student	MOU with Youth Peace foundation like
Industry Institute Interaction in terms of Internship for students to be improved	MOU has been increased to improve Industry Institute Interaction in terms of Internship for students.
Submit AQAR-III for A.Y 2020-21	AQAR-III Submitted for Academic Year 2020-21 on 15/01/2022
<b>13.Whether the AQAR was placed before statutory body?</b>	Yes
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name	Date of meeting(s)
College Development Committee	02/06/2021

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2021-22	28/01/2022

**15. Multidisciplinary / interdisciplinary**

ACEM , being an engineering college and affiliated to Savitribai Phule Pune University, Pune has certain limitations in curriculum designing, however, many more initiatives have been taken in promoting interdisciplinary academic activities. In the curriculum, subjects like Artificial intelligence and machine learning , mechatronics, IoT have been added. Institute has initiated various value added programs providing platform to students to have education with interdisciplinary approach. Most important is that many curricular activities are organized with the participants from all the disciplines. Various courses are there in the curriculum such as energy conservation, environmental pollution, Guest lectures are organized on various topics such as innovation and startup, etc

**16. Academic bank of credits (ABC):**

ACEM is affiliated to SPPU, Pune and is working on the concept of Academic bank of credits (ABC), to establish "credit transfer" mechanism for providing academic mobility to students. University curriculum is based on choice based credit system. Awareness sessions on implementation of NEP 2020 are organized and efforts are put to create awareness about key aspects of NEP , including academic bank of credits.

**17. Skill development:**

Skill development is one of the major quality aspect institute is focusing. Institute is focusing on skill development through extension sessions, industry internships and industry projects. Even skill development is focused through academic with appropriate changes in teaching learning process, curriculum and assessment. Most of the department organized workshops on various topics with the involvement of professionals from various sectors to provide hands on experience to students. Institute has established entrepreneurship and skill development committee, innovation, IPR and startup committee for providing different platforms for skill

development of students and faculty for improving the employability of students and to make them professionally competent.

#### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

Core values of ACEM are leadership and cultural heritage, honesty and integrity, freedom of thought and expression, and social responsibility. All these core values are the guidelines for stimulating the Indian knowledge system in the institute. Ethics , cultural activities, motivational talks and different activities such as celebration of anniversaries of great leaders of India are organized for the holistic development of the students. Health camps, yoga day celebrations, blood donation camps, traditional day celebrations, teachers day , Constitution of India day celebration and many more extension and social activities are organized in the institute for sensitization of students towards societal issues and for civilization of students. Annual sports and cultural function and annual intercollegiate sports is celebrated annually. Indian and local culture is reflected through various performances during these events and special efforts are put forth for the same. Active NSS unit and Sports and cultural committee organizes various activities promoting Indian ethos among students.

#### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

Institute has adopted outcome based education and for every subject course outcome are set and mapped with program outcomes. Based on mapping of CO and PO, various curricular activities are organized. Departments have specified program specific outcomes also and CO's of the subjects are mapped with PSO. Outcome of assessment and evaluation of students through unit tests, assignments and course activities assigned, continuous assessment is used to measure course outcomes, as internal assessment tools. University examination performance of students is used as external assessment tools for CO attainment.

#### **20.Distance education/online education:**

At ACEM , after pandemic we are going with hybrid mode whereas during pandemic all the academic activities are carried out with online mode. MS teams and ZOOM, these two platforms were used mainly. Apart from this, google classroom, virtual lab and few other online platforms are used by faculty. Different ICT tools are also adopted by faculty during the teaching learning process. Use of virtual labs, virtual industry visits are encouraged in the institute. Students are motivated to join online courses on Swayam.

## Extended Profile

<b>1.Programme</b>	
1.1  Number of courses offered by the institution across all programs during the year	<b>233</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1  Number of students during the year	<b>775</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2  Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>150</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.3  Number of outgoing/ final year students during the year	<b>259</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1  Number of full time teachers during the year	<b>71</b>
File Description	Documents
Data Template	<a href="#">View File</a>

3.2	71
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	28
Total number of Classrooms and Seminar halls	
4.2	49.25
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	282
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

Alard College of Engineering and Management is affiliated to Savitribai Phule Pune (SPPU) University and offers quality education through effective curriculum prescribed by the university.

Academic Calendar-College Academic calendar and departmental academic calendar for each academic session is prepared every year.

Time Table and Load Distribution-HOD of respective departments defines teaching load for all faculties and departmental time table is prepared accordingly. Time tables are displayed at departmental notice board.

Lesson Plan and Teaching Plan-The syllabus section on SPPU website provides details syllabus of all programs from First year to Final Year. Every faculty prepares course file in which academic calendars, syllabus structure, time table, lesson plan, teaching plans, attendance, continuous assessment and notes also lab manuals and lab files are prepared by the faculty.



Continuous Assessment - For the improvement of a student continuous assessment is done. It is based on the unit test and assignment given by the faculties.

Academic Evaluation- Principal along with HOD evaluates academic progress for improvement in teaching learning process. Student counseling is done by mentors for solving all the difficulties and also parents-teachers meet is also conducted. Regular feedback is taken from different stakeholders for adding value to existing system of teaching learning.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

For improving system of Continuous Internal Evaluation institute follows academic calendar given by university. Academic calendar gives idea about various activities and examinations for particular academic year. University gives academic calendar based upon that institute, formulates Institute academic calendar. Institute Academic calendar is disseminated to all the concerned section heads. Academic calendar is reviewed by every departmental head and department wise academic calendar is prepared and communicated to students and teachers. Teacher prepares course file accordingly.

Academic calendar consists of following points.

Start of Academic Term.

End of Academic Term.

Examination dates of ORAL/ Practical and End Sem Examinations

Number of Holidays.

Internal Examination

**Industrial visits****Guest Lecture/ Seminar****Mock Oral and Practical**

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.alardcollegeofengineering.com/NAAC/Academic%20Calender%2021-22.pdf">https://www.alardcollegeofengineering.com/NAAC/Academic%20Calender%2021-22.pdf</a>

**1.1.3 - Teachers of the Institution participate in A. All of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.**  
**Academic council/BoS of Affiliating University**  
**Setting of question papers for UG/PG programs**  
**Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**  
**Assessment /evaluation process of the affiliating University**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.2 - Academic Flexibility**

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

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

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

## 1.2.2 - Number of Add on /Certificate programs offered during the year

### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

29

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

## 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

138

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

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

"Environment Study" for first and second year, faculty makes students aware about the basic components of environment and their application in various fields. Institute organizes various activities like tree plantation, public awareness during festival season with the help of students e.g. Importance of Blood donation and blood donation camps, importance of hygiene and individual

responsibilities regarding the same. As per the Government of Maharashtra and DTE norms institute follows reservation policy for Girls students. Anti Ragging committee members list has been displayed on notice board and at various places like canteen, hostel etc. Complaint from student regarding Canteen, Hostel facility, institute properly discuss and resolve with mutually agreed solutions. To match with today's need for fast and accurate information, institute provide access to fast internet to students. Student's inputs and complaint regarding same are properly studied and addressed.

Women Grievances cell.

Earn and Learn Scheme.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

198

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders**  
**Students**  
**Teachers**  
**Employers**  
**Alumni**

**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	<a href="https://docs.google.com/forms/d/e/1FAIpQLSe4PTye6dbpJ1-LYmf6dhJ6AKRMYEZVcC2F_pVz1P-Rf5W8Fg/viewform">https://docs.google.com/forms/d/e/1FAIpQLSe4PTye6dbpJ1-LYmf6dhJ6AKRMYEZVcC2F_pVz1P-Rf5W8Fg/viewform</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - Feedback process of the Institution may be classified as follows**

**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of students admitted during the year**

276

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)****2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

60

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

**2.2 - Catering to Student Diversity**

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

After admission of students, institute identifies student as slow learner and fast learner for improving academic performance of students. The internal evaluation through tests assignments and external evaluation through university examination results gives idea about slow learner and advanced learner students.

Slow Learners-- Different efforts taken by institute for slow learner are as follows: With the use of Teacher guardian scheme, problems of slow learner students are discussed by guardian teacher and counseling is done. Extra classes are arranged for students for different courses. Question banks for university examination are given to the students. Practice sessions for practical examination and oral exam questions are discussed with the students.

Advanced learners-- Different efforts taken by institute for advanced learners are as follow: Advanced learner students are motivated for participating in workshop seminars and different types of events. Advanced learner students are provided with carrier guidance for future advancement. Faculties ensure that students will

get NPTEL Videos, PPTS and webinars and any other similar learning resources. Advanced learner students are participating in SAE BAJA, Sports events. Students are also enrolling for courses like, CREO, PLC&SCADA automation and ANDROID Programming

for improving technical skills. Institute Library helps student with different types of journal, periodicals for improving learning level apart from existing curriculum.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
775	71

File Description	Documents
Any additional information	<a href="#">View File</a>

## 2.3 - Teaching- Learning Process

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

The learning levels of students are improved by using different methods such as experiential learning, participative learning and problem solving methodologies.

### Experiential learning:

Experimental learning is achieved by performing practical demonstrations on the different types of experimental setups for understanding the theoretical concepts. Experimental learning is supported by number of Labs for different courses across all programs in the institute. Based upon different courses frequent industrial visits are being arranged at various industries for exploring actual application of theoretical concepts.

### Participative learning

Participative learning is achieved by making students to work in group rather than individual. Project is performed by students with 4-5 students which may enhance Participative learning. Different activities and events such as seminars and guest lectures are arranged for students. Social activities and events such as blood donation, tree plantation are arranged and students are encouraged for participating in these events.

#### Problem solving methodologies

Problem solving methodologies such as performing project which are giving solution to industrial problems. Another way of problem solving is achieved by means of class assignments, quizzes. The e-Learning resources such as NPTEL Videos and PPTs are also aids students for solving different problems. Courses like CREO will enhance SOLID modeling skills whereas Android programming will help students for developing different software codes for variety of applications

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The teaching learning process in class room is made innovative and creative through various efforts taken by teachers in the institute. During class room teaching for specific topic tricky questions are asked by students which helps students for thinking in different directions. A group discussion or debate on some topic, Seminars, guest lecture, quiz, unit test and Industrial visit also makes learning process simple and creative. Guest lecturers or seminars from industry expert increase the awareness of students about state of art technological advances. Teacher uses platform of ICT for improving students' performance in classroom. Through platforms like Google Classroom , students are made available every e learning resources likes NPTEL videos, webinars for discussing different topics in lectures. Teacher use modern teaching aids like projector teaching purpose. Along with that use of PPTs and demonstrations make the classroom experience more effective. Use of models of objects such as gear, key and shaft gives insight about these concepts. Simulation of problems under study through software's such



as CREO, MATLAB, ANSYS and CAM improves the learning level of students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

71

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full time teachers against sanctioned posts during the year

71

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

#### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

03

File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

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

#### 2.4.3.1 - Total experience of full-time teachers

284

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Institute has taken steps towards making internal assessment transparent and robust in terms of frequency and variety. The processes of internal evaluation, marks distribution are communicated to students.

#### Internal Assessment Transparency:-

Student's attendance records in different classes are maintained on daily basis and shared with students. For improving academic performance of students unit tests are conducted by every department. After checking answer sheets of student's marks are discussed with students by every teacher. Lab journals are checked periodically and marks are assigned to students. Term work marks are discussed with students and recorded by means of continuous assessment. Assignments, projects evaluation aids for improvement in academic performance of students. Students are always welcomed for

their grievance in any of case such as marks in tests, assignments or evaluation of term work marks.

Internal assessment robust in terms of frequency and variety :-

Since all the internal assessment methods procedure is well communicated with students. Practical work is assessed and evaluated weekly. Class tests are conducted twice in semester and evaluation and display of marks is done within 10 days .The assessment of assignments is performed after 15 days. Project work is evaluated at each month

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.5.1_link_supp.pdf">https://alardcollegeofengineering.com/NAAC/2.5.1 link supp.pdf</a>

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

Students may have grievances both for internal as well as university examinations. Institute has system for resolving these grievances transparently, efficiently and within less duration. As per the guidelines of

Savitribai Phule Pune university institute had appointed Chief Examination Officer (CEO) smooth conduction of Online Examination, Insem Examination, End Sem Examination and Oral, Practical Examinations. The variety of grievances notified by students are as follow:

Difficulty in Online form Submission.

Repeating of same subjects in exam form

Mismatch in Hall tickets.

Change in marks in mark sheet

Result hold in University

Photocopy

Rechecking

Aforesaid grievances are attended by student section team and resolved as early as possible. After declaration of Results University has made provision of rechecking and photocopy of answers sheets for students through online application form to university by paying defined fees. All these forms are submitted to university and approximately within 10 days students are receiving photocopy. The photocopy assemesemt can be once again challenged by students for reverification. The changes in marks is communicated to students from university.

#### Internal Examinations Grievances

If student reports, any grievance such as less marks in term work or other evaluation will be attended by respective head of department. Head of department will discuss the issue with concerned teacher and action is taken for resolving the problem

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.5.2_link%20supp.pdf">https://alardcollegeofengineering.com/NAAC/2.5.2_link%20supp.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Institute ensures that Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed in Notice Board. Program Specific Outcomes (PSOs): Program Specific Outcomes are special qualities that student may acquire during graduation program. Course Outcomes (COs): Course Outcomes are the attributes which student may acquire after studying specific course from different graduate programs Program Outcomes (POs): Program Outcomes are nothing but graduate attributes that students acquire during four years of graduation program. POS are as follows:

1. To apply knowledge of mathematics, science, engineering fundamentals, problem-solving skills, to solve complex engineering problems.
2. To analyze the problem by finding its domain and applying domain-specific skills.

3. To understand the design issues of the product/software and develop effective solutions with appropriate consideration of public health and safety, cultural, societal, and environmental issues.
4. To find solutions for complex problems by conducting investigations applying suitable techniques.
5. To adapt the usage of modern tools and recent software.
6. To contribute towards the society by understanding the impact of Engineering on a global aspect.
7. To understand environmental issues and design a sustainable system.
8. To understand and follow professional ethics.
9. To function effectively as an individual and a member or leader in diverse teams and interdisciplinary settings.
10. To demonstrate effective communication at various levels.
11. To apply the knowledge of Computer Engineering for development of projects, and its finance and management.
12. To keep in touch with current technologies and inculcate the practices of lifelong learning.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.6.1_CO-PO.pdf">https://alardcollegeofengineering.com/NAAC/2.6.1_CO-PO.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

Institute has developed mechanism for attainment of program outcomes, program specific outcomes and course outcomes at the end of each course. First step is to formulate course wise course outcomes for all course. Then CO-PO-PSO mapping matrix is developed with 3 point scale where 3 is high, 2- Medium and 1- Low. Next step is to use different assessment methods such as internal and external

evaluation for attainment of course outcomes and PSO for each student. Internal assessment tools consists of class test marks, assignment marks, while external assessment tools considered as Marks obtained in Online, In-Sem, End-Sem , Oral, Practical and Term Work examinations. The excel sheet is prepared for entering above attainment marks and formulas applied which will give different values of attainment in percentage and these percentage ranges are stated as follow:

Level 1: 40% of students scoring more than average marks

Level 2: 50% of students scoring more than average marks

Level 3: 60% of students scoring more than average marks

Percentage attainment of each PO and PSO is done by multiplying their mapping level with percentage attainment of respective CO.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.6.2_link%20Flowchart.pdf">https://alardcollegeofengineering.com/NAAC/2.6.2_link%20Flowchart.pdf</a>

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

205

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may

design its own questionnaire) (results and details need to be provided as a weblink)

<https://docs.google.com/forms/d/1EFINIRALHNk-VB-bqMxmPu5HbddOb9PGAYtaKXRiXKk/edit>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

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

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

8

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

0

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**

**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

02

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

### 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Alard institute has taken initiative for creation and knowledge transfer by means of entrepreneurship development cell, industry institute interaction cell. The Institute maintains an ecosystem which enables the students to maintain a culture for innovation and research and development in areas of their interests. Students with different creative ideas approach the teachers who guide them in their work and later their work is presented in different competitions. The objective of EDC cell is to promote industrial culture and exposure to industrial activity to students and faculties. This will also aids to fulfill the curriculum gap by means of seminars or guest lectures from industrial experts. Industrial visits to different industries strengthen the knowledge of advances in actual industrial practices. Students getting industrial problems to be solved as sponsored project as a part of aforesaid knowledge transfer process. Industry institution relationship works in the following areas: Industrial visits for students and faculties, Field and site visits of students. Students also have come up with innovations in the process of taking patents for their ideas

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**



**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year****12**

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.3 - Research Publications and Awards****3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year****3**

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year****3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year****28**

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**3.3.3 - Number of books and chapters in edited volumes/books published and papers published**

**in national/ international conference proceedings per teacher during the year****3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year**

6

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.4 - Extension Activities**

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Graduates coming out of institutes are motivated for becoming technosocial person. Alard institute is not only giving technical know how, but to also making students aware about different social issues for overall development. In this regards various activities or events are organized as follow.

**Blood donation:** It is the big contribution in the whole life of people. Organizing blood donation camps is the perfect way to cater to the demand of blood. Students understand the importance of blood donation and came forward voluntarily.

**Tree plantation:** Considering increasing air pollution day by day more number of trees needed. Students are motivated to plant number of trees at different location of campus. Tree will aid for making campus more green.

Swachh Bharat Abhiyan is also called as the Clean India Mission or Clean India drive or Swachh Bharat Campaign. This campaign involves the construction of latrines, promoting sanitation programmes in the rural areas, cleaning streets, roads and changing the infrastructure of the country to lead the country ahead.

Yoga day celebrated on 21st June, as it the longest day of the year in the northern hemisphere and shares special significance in many parts of the world. College celebrated yoga day to bring physical and mental disciplines together for all faculties and students to achieve a peaceful body and mind. Its help manage stress and anxiety and keep us relaxing. It also helps in increasing flexibility,

muscle strength and body tone. It improves respiration, energy and vitality.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

1

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

### 3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

#### 3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

12

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year****3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

938

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.5 - Collaboration****3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year****3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

89

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

**3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year****3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

Institute has made provision of adequate facilities for teaching learning process. These facilities consists of classrooms, laboratories, computing equipment. The institute is fulfilling the AICTE Norms with regards of these facilities and also taking care regarding maintenance and up gradation of these facilities.

**Land Availability:** The institution has three story building with separate space for different departments with classrooms and laboratories. Institute has separate building for boys and girls hostel. The total available land is 5 acres. The built up area of institute is 12600 sq.mtr.

#### Classrooms:

Institute has designed a very spacious classroom for each department. Classroom has provided with comfortable seating arrangement and facilitates better teaching learning process. Number of classrooms available are 18 and 3 Seminar Hall.

#### Laboratories:

Institute has 41 well equipped laboratories for conducting different experiments for improving experimental learning approach. There is an well equipped workshop consists of different facilities for mechanical based practical's like machining , fitting, carpentry, welding, tin smithy shops .Due care is taken to accommodate all the candidates through proper scheduling.

#### Computational Facility:

Each department is provided with sufficient number of computer and software's for performing computational study irrespective of curriculum. Computers are connected in LAN. The internet bandwidth of 32 Mbps gives sufficient internet connectivity.

#### Library:

The Central Library of the institution is spread over 460 sq.mtr. Library is providing access to e resources in terms of journals, magazines and periodicals, NPTEL study material along with print volume

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

Alard institute has created facilities for different types of indoor and outdoor games and sports. The institute focuses on overall development of the students through co-curricular and extra-curricular activities. The students are participating into annual sports held within the institute and winner is awarded with prizes. This gives motivation to students for academic excellence along with regular teaching learning process. Institute has made available ground for outdoor games like cricket, football, basketball, Volleyball and Kabaddi. Similarly indoor such as carom, chess and badminton are arranged at auditorium. Outdoor and indoor sports contribute significantly in grooming students. Qualities like leadership, team spirit, and competitiveness can be inculcated amongst the students through such sports activities. For executing various cultural activities an auditorium with well-equipped sound system has been available. Alard group of Institutes are going to expand and start Sports Academy in upcoming days

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

28

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

**4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)****4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**

49.25

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

Library is automated with AutoLib NG Software. All the work related to issue and return has been computerized. All books are bar-coded. AutoLib NG software is a totally integrated software package encompassing all aspects of library management. Library software has facilities such as OPAC (Online Public Access Catalogue) which is used by students & faculty for search of books by title/ author name etc

Library Automation software details:-

Name of the ILMS software:- Autolib NG

Nature of automation:- Fully automated Version: NG ( New Generation)

Name of service provider:- Akash Infotech, Pune.

Date of purchase of AutoLib:- 19/07/2010.

Modules / Features of AutoLib NG Software:

Master setup

Membership

Acquisition

Cataloguing

Circulation

OPAC

REPORTS

Stock Verification

News Paper

Library has collection of books, journals, e-resources, CD, DVDs, University Project Report, Newspaper, Syllabus, Question Paper Bank, Institutes event news etc. Separate reading room is available for students and faculties. Separate digital library is also available with facilities such as subscription of DELNET for ejournals, e-books & freely downloaded e-books. Library taken membership of DELNET, National Digital Library & NPTEL.

Reference section: Reference section for Books, Journals, and Project Reports of SPPU is also available in the library.

Journals Section: The national and International Journals are arranged separately.

Digital Library Section: There is a separate Digital Library section for e-recourses.

News Paper Section: There is a separate News paper section



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**      **A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

**44.84**

File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

**12**

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

### 4.3 - IT Infrastructure

#### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

In ACEM all computers are connected with LAN and internet using CAT6 cables. It gives information via connectivity of 100 Mbps to ACEM. ACEM is Wi-Fi enabled to enjoy the internet irrespective of where you are in the campus. The college usages ICT/ERP in improving efficient teaching learning process besides increasing the automation in administration

Institution always considers the suggestion and recommendation given by all stakeholders for the necessary up gradation in IT facilities. Institution frequently updates the IT facilities including Wi-Fi like hardware, software and networking.

Internet connectivity and Wi-Fi: The institution has leased internet bandwidth of 50 Mbps. Campus is equipped with Wi-Fi facility with different Wi-Fi access point.

Computer center: The institution has a separate computer center with 282 computers which is not only used by students but also used for conducting online University and competitive examinations.

Open source:

Institution has open source software like Ubuntu 14.04 LTS, Net beans IDE 6.8, Eclipse, Python 3.6, Open JDK 7, Mysql, Firefox, Fedora.

Details of Perpetual Licenses Software:

Sr. No.

IT Software

Details (QTY)

1

Anitivirus (Quick Heal) (6\*5 user Pack)

30 Users

2.

Operating System XP Prof. sp-3, sp-2, Vista KMS, Win 7-KMS

60

3.

Server 2008 std/32bit & 64bit

05

4

Mathcad

15

5

AV Net Protector

20

Details of Softwares:

Sr. No.

IT Software

Prior

Existing

Updated on

1

Acenet 5.1 (Learner Version)

01

01

11/12/2009

IT Facilities

Prior

Existing

Updated on

AutoLib Library Management SW with Barcode Scanner.

Nil

01

10/01/2020

"DELNET"

01

01 (Renewal)

13/04/2021

Biometric Attendance System

Nil

01

08/10/2018

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

282

File Description	Documents
Upload any additional information	<a href="#">View File</a>
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution B. 30 - 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

17.75 lakh

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

The various physical, academic and support facilities such as laboratory, library, sports complex, computers, classrooms are provided by the Institute for student overall development and growth. Every year new committees are set up separately for Energy saving, Maintenance, Housekeeping and cleaning which monitor daily Activities. For services like electricity, housekeeping, maintenance separate registers are maintained and is on regular basis is

reported to higher authorities. All the head of various departments monitor maintenance of different equipment's, computer systems in all laboratories. The faculty team from other department comes for verification of stock in the lab for the available equipments and discarded equipments, by verification process. Lab in-charge and lab assistant make sure that aforesaid requirement is submitted to departmental head and signed off from Principal for further action.

A proper procedure followed for purchasing of books, journals and e-journals. Each semester, faculties submit requisition for new books for both student and faculties through Head of the department. Requisition is processed for purchase once it is remarked by Principal. All the different types of e-resources such as printer, scanner, computer, CCTV, LAN and servers are monitored for breakdown and repaired from college system administrator. Maintenance of Electrical brake down is performed by Electrician. Security of institute is governed by Security forces by means of making inward and outward entry of staff and students entering and going out from college premises.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

646

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

#### 5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

19

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

### 5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

#### 5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

5

##### 5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

5

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year



22

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

6

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

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

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<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 university/state/national / international level (award for a team event should be counted as one) during the year**

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

11

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

The progress of institute is not only depends upon infrastructure, physical facilities, and teachers but also on active participation of students at various levels of academic bodies or committees. The institute is involving students at various events, activities or annual functions such as cultural events and sports.

Nominations are requested from boys and girls for various events in the institute. Selected students are acting as coordinator or volunteer for different events.

The various committees in which students are involved are as follow:

1. Women's Grievance Redressal
2. Anti- ragging Committee
3. Sports committee
4. Cultural committee
5. Canteen committee

**6. Stage committee****7. Discipline Committee****8. Reception Committee**

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)****5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

9

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

**5.4 - Alumni Engagement**

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

The Institute has registered Alumni association and it aids in overall development of the academic and infrastructure of the institute. Alumni has significant role in as a member of IQAC cell and network of Alumni students are maintained by the efforts taken by the all departmental heads and Alumni coordinators. Alumni association meeting with the students and coordinator is organized periodically in the college and its main objective is to utilize the knowledge, experience and the wisdom of the students for the betterment of the institute. The alumni are visiting to institute

and give their valuable feedback about the curriculum design, training & placement activities, industry institute interaction and new area for research development etc. Feedback taken from the students is used as corrective measure for improvement of the academic performance of the current year students and the development of the institute. Few alumni have come forward for giving seminar and lecture to the students to share their knowledge about industries work ethics and how to attain industry standard. They also assist the students in project selection and choosing right career path. Alumni are also connected to College through its social networking page where they are free to share their knowledge.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

**Vision-**To develop a technical capability through quality technical education providing value aided programs and technical excellence to serve the society.

#### Mission-

- To be renowned as institute of international repute.
- Shaping nations economy by providing technocrats and entrepreneurs.
- Imparting outcome and skill based Technical education.

Governing Body (GB) and Local Management Committee (LMC) have been constituted for the effective governance and management of the institute Vision, mission, quality policies and goals are designed

by Governing Body and implemented by institute, reviewed time to time by Local Management Committee (LMC). The institute prepares and conducts various activities such as seminars and workshops.

The strategies employed by the college to improve the qualities are as follows:

**Teaching and learning:** The faculty members are also motivated to use innovative tools like e-learning, and LCDs. Interdepartmental coordination. Industrial visits are arranged to explore student to corporate culture and practical aspects of industrial working.

**Research and development for staff and students:** Management always encourage and provide funding for promotion of research and development. Faculties are encouraged to publish their work in national and international Journals with high impact factor.

**Community engagement:** ACEM Community engagement Social activities such as blood donation camp, donation of food and clothes to orphange are planned and executed. Activities Swatcha Bharat Abhiyan is undertaken by the institute Student Welfare/Development

**Industry interaction :** Industry institute interaction is facilitated by inviting eminent experts from the industry and academia to interact with staff and students to meet the industrial requirement.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Institute always believes and promotes a culture of participative management at all levels. The principal conducts regular meetings and involves all the staff and students in decision making wherever possible. The principal ensures participation of all the staff through decentralized administration by forming various committees. That is successfully implemented by our institute based Performance Appraisal System (PAS). There are some assessment parameters outlined to optimize the performance of faculties though calculation of Performance Indicator (PI).

1.Student centric activities (SCA) which covers Teaching-Learning and Evaluation related activities like 100 % compliance of allocated lectures, practical's, Extra lecture in excess of AICTE/ SAVITRIBAI PHULE PUNE UNIVERSITY norms, University examination duties, University In semester/ Internal examination work such as invigilation, Internal examination/evaluation duties internal/continuous assessment work, utilization of innovative teaching-learning methodologies like ICT .coordination of student centric activities as a coordinator or member like industrial visit, sponsored projects, participation in technical competitions like BAJA, Techfest, placement support, Technical festivals, sports, cultural, Alumni, educational tour, admission work, result analysis, timetable, student feedback and results of students.

2.Development and Academic contribution (DAC): In professional development parameters covered are upgradation of qualification, certification of expertise in skill development, academic contributions like conducting activities of professional bodies, interaction with outside world, organization and participation in training program, institutional and society level governance responsibilities like NAAC,

3.Research contribution: it covers number of research publications, no. of papers in conferences, consultancy, patents, Innovative projects of UG and PG level, guidance of research, involvement in student research

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The distinctiveness that has been planned and executed accordingly with different aspects exposure to both faculty as well as students of institution is research and development. To inculcate research aptitude in students different aspects such as guest lecture of industrial experts, industrial visit, in-plant training, involving students in different research schemes with faculties and encouraging them to participate in different scientific events such as Abhinavan II. Similarly teaching staff is encouraged to pursue doctoral studies, participate in seminars, conferences and workshops

national and international level.

Competition/conferences/seminars/workshops in the form of poster and oral presentations. This leads to development of scientific temperament by interaction between faculty and students. The faculties undertake interdisciplinary research as a part of their doctoral studies for upgradation of skills, knowledge and qualification. Furthermore, faculties and students brought accolades to the institute by presenting their research work at national and international conferences and thus institute appreciate their success in the form of incentives and appreciation letter. Mentors guide postgraduate (PG) students to write research manuscript of their research work in well reputed scientific journals, this instills and nurture the ability of PG students to understand scientific writing skills. Linkages with neighboring institutes of repute and communities improve the competencies of faculty both in research and teaching-learning. Collaborations with local agencies result in exposure of leads to opening of tremendous scope for research on various issues. These collaboration enabled students and faculty members to interact and develop contacts with personnel from diverse field.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Governing body or Management is at uppermost level in the Organizational structure of the institution. Local management committee or college development committee aids for the overall development of institute. Internal Quality Assurance Cell (IQAC) is headed by the Principal, under his supervision quality activity inside the institute is framed and regulated for improving academic quality. Academic sections are controlled by heads of different departments responsible for daily execution of teaching learning process.

Administrative section consists of HR, Accounts, Student Section and Office superintendent for administrative system.

Anti Ragging Committee controls ragging practices at institute since, Anti Ragging Committee is framed

based upon the AICTE procedure.

Women's Grievance Cell acts as problem solving platform for all the female Teaching staff, Non-teaching staff and Students of institute.

Training and placement Cell consists of Training and Placement Officer, responsible for students development for aptitude and getting selected in various organizations.

Cultural activities are planned and successfully performed by cultural committees.

Institute ensures recruitment of teaching and non-teaching staff based upon requirement, by giving

advertisement in news papers

Selected faculties are governed by institute service rule and other directives laid down by management. Faculties are promoted based upon interview followed by Local selection committee constituted by SPPU, Pune

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://www.alardcollegeofengineering.com/NA/AC/6.2.2_link%20supp.pdf">https://www.alardcollegeofengineering.com/NA/AC/6.2.2_link%20supp.pdf</a>
Upload any additional information	<a href="#">View File</a>

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above



File Description	Documents
ERP (Enterprise Resource Planning)Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

Institute provides various welfare measures for teaching and non-teaching staff.

Medical leaves and casual leaves are provided to all teaching and non-teaching staff at ACEM. All the staff in ACEM is benefited by Employee's Provident Fund scheme.

Maternity leave is provided to female staff.

Employees are getting advance payment upto 10000/

The children of both teaching and non-teaching staff are getting admission in Alard International Public

school at concession rate of fees

Two set of uniform are given to nonteaching staff every year free of cost.

Hostel facility is provided for teaching and non-teaching staff.

Yoga and meditation activity is organized by the institute

File Description	Documents
Paste link for additional information	<a href="https://www.alardcollegeofengineering.com/NA/AC/6.3.1.link%20supppdf.pdf">https://www.alardcollegeofengineering.com/NA/AC/6.3.1.link%20supppdf.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

#### 6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

9

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

Institution has performance appraisal system for teaching and non-teaching staff based upon Academic Performance Indicator (API) System. Aim of appraisal system is to improve the technical knowledge and skills of teachers. Teachers are asked to fill performance appraisal form and are evaluated by respective departmental HODs. Principal reviews all the performance appraisal forms and gives feedback.

The performance appraisal is based upon various parameters such as

Number of subject taught

No. of classes taken theory

No. of classes taken Practical

Student attendance in classes theory and practical

University Result of subject

Use of ICT

Students Feedback

Research Publications

Administrative Duties Performed

**Workshop/Conference/Seminar/STTP/FDP Attended**

File Description	Documents
Paste link for additional information	<a href="https://www.alardcollegeofengineering.com/NAAC/6.3.5%20link%20supp.pdf">https://www.alardcollegeofengineering.com/NAAC/6.3.5%20link%20supp.pdf</a>
Upload any additional information	<a href="#">View File</a>

**6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Regular audits of financial transactions are an essential aspect of any organization's functions for it to run smoothly. ACEM has a system in place for both internal and external auditing. All academic departments, libraries, institution estate and works, students' facilities, IT services, and wages are budgeted in advance to the greatest extent possible. Each item's spending is subjected to a pricing and quality inspection, institute management clearance, acquisition of the item via an established purchase procedure, and installation and commissioning (for laboratory equipment). The institute has kept accurate income and expense records as well as annual accounts that have been audited. Internal auditing is handled by qualified chartered accountants in a designated department. The accounts department keeps track of how much money comes in and how much money goes out. All payments, with the exception of those of a small nature, are paid by cheque. The Institute's accounts are also audited on a regular basis by experienced and independent auditors. The audit team, led by a trained Chartered Accountant, ensures that the Institute's accounting records are kept up to date. The audit findings are meticulously recorded. The management appoints a certified Chartered Accountant to audit the accounts on a regular basis. The financial audit is overseen by the accounting committee and presented to the qualified Chartered Accountant. Reservation funds must be used to distribute all of the pupils on their account. The government audits and verifies this account on a regular basis

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

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

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institute is receiving primary funds from student's fees hence institute has developed effective strategies

for mobilization of this available fund and also effective utilization of financial resources. Annual income and expenditure budget is prepared for every year and funds are allocated for various heads of expenditures.

The some of the heads of expenditures are as follow:

Income: Fees from students.

Salary Expenses: Teaching and Non-teaching Staff Salary

Academic Expenses: Student expenses over industrial visits, Training & placement for student, l etc,

Administrative Expenses: Printing, Stationery expenses, Advertisement expenses, operating &

Other expenses, any other expenses

Development Expenses: Service charges of electricity, security, Internet and water bill. Expenses.

Repair and Maintenance of Laboratories and Consumables

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

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

The institution has constituted an Internal Quality Assurance Cell (IQAC). This IQAC cell consist of various members such as all the departmental heads, Principal, management representative, alumni. IQAC cell promotes activities for the improvement in academic performance of students as well as overall development of students. Internal Quality Assurance Cell (IQAC) aims for continual improvement in academic as well as administrative functions.

Activities instated for improvement in teaching learning process are as follow:

- Use of ICT for better understanding of concepts to students.
- Arranging different types of workshop, seminar and guest lecture for improving industry institute interaction.
- Arranging field trips for students to bridge curricular gap.
- Motivating student to understand social issues by organizing social awareness programs in the campus.
- Result Analysis: The result analysis gives number of students passed, all clear passing percentage, number of students with distinction, first class, second class, pass class and failed students in theory, practical.
- Continuous Assessment Sheet : It gives continuous assessment record of laboratory work performed by students and submission of journals. Finally, marks are assigned either 25 or 50 as applicable.

Participation of students in different competitive activities at different level.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

**IQAC cell monitors and take review of teaching learning process in the Institute. IQAC is headed by**

**Principal and other members such as Dean Academics, Heads of the department, Alumni and industrial**

**member.**

Based upon University academic calendar institute academic calendar is prepared and communicated to all the departments and administrative sections. Every department then prepare department level academic calendar. IQAC cell ensures that activities planned in academic calendar are executed for every class and from every faculty. Before formulation of IQAC cell , the institute has internal Academic Monitoring Committee (AMC) comprising of Principal, all Head of Departments and senior faculty members. The AMC monitors teaching learning processes, structures & methodologies of operations and learning outcomes at periodic intervals as per norms of institute. Two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC:

1. **Department Library:** The institute has come up with concept of Departmental library. Every department has departmental library. It consists of all the reference books, project reports etc. This facility motivates students for reading habits and use of technical knowledge for practical examination etc.

2. **ICT Classroom:** To facilitate e-learning resource and as a part of learning resource management system ICT tools such as NPTEL videos are used by all departments. This aids faculties to share teaching learning resources such as ppts, online lecture notes etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

#### **1. SAFETY AND SECURITY:**

The institution provides all possible types of safety and security to students irrespective of gender. It also provides safety by maintaining a record of all entries and exits of visitors regularly at the entrance. The institution campus including main gate, corridors, examination sections, main entrance, canteen and library are monitored by CCTV cameras. Anti ragging committee is constituted. Anti ragging squad is vigilant and conducts regular inspection. The anti ragging committee has 11 members and anti ragging squad has 7 members which include teaching and non-teaching



staff. Institution has Women Grievance Cell / Internal Complaint Committee which conducts the awareness programs for ladies staff and girls students on International women's day every year. Separate male/female wardens and security guards are deployed to boys/girls hostel respectively. Additional safety precautions are taken by monitoring through CCTV camera installed in the hostel premises. A separate consulting room is provided with basic medical facilities. The institution has a tie-up with "Ruby Hall Clinic", Pune with ambulance facility for emergency medication. Bus transport facility is available for commutation. Fire extinguisher is installed in the institution at security gate.

2. COUNSELING: The Guardian Faculty Members provide personal, academic, carrier, financial, gender equality and psychological counselling to the students.

3. COMMON ROOM: Separate girl's common room and boy's common room facilities are available in the institution.

File Description	Documents
Annual gender sensitization action plan	<a href="https://drive.google.com/file/d/1-GkFbRTjA04d0c-WnCCohKssGK_420Hc/view?usp=share_link">https://drive.google.com/file/d/1-GkFbRTjA04d0c-WnCCohKssGK_420Hc/view?usp=share_link</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<p><u>The institution provides all possible types of safety and security to students irrespective of gender. It also provides safety by maintaining a record of all entries and exits of visitors regularly at the entrance. The institution campus including main gate, corridors, examination sections, main entrance, canteen and library are monitored by CCTV cameras. Anti ragging committee is constituted. Anti ragging squad is vigilant and conducts regular inspection. The anti ragging committee has 11 members and anti ragging squad has 7 members which include teaching and non-teaching staff. Institution has Women Grievance Cell / Internal Complaint Committee which conducts the awareness programs for ladies staff and girls students on International women's day every year. Separate male/female wardens and security guards are deployed to boys/girls hostel respectively. Additional safety precautions are taken by monitoring through CCTV camera installed in the hostel premises. A separate consulting room is provided with basic medical facilities. The institution has a tie-up with "Ruby Hall Clinic</u></p>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**C. Any 2 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The excellent area of ACEM moves occupants to remain eco-accommodating. Without clogged city condition, the staff and understudies appreciate the nature personally on this ground. Other than having foundation development according to the need for an instructive ground, the establishment puts in cognizant endeavours to upgrade and sustain the eco-accommodating condition on the grounds. Checking and evaluation of the green condition on the grounds is finished. All potential outcomes of enhancing condition are continually investigated and executed in arranged manner.

**Energy conservation:**

Power utilization is decreased switching off the electric gadgets like PCs, fans, lights, and so on before leaving the rooms. The fans and lights in the room can be constrained by a solitary switch inside the room. Consequently, at the snap of the switch fans and lights of each room, office, the entire foundation can be decreased. classroom, labs, workplaces, workshop lobby, board room, library, and so on are furnished with window shades to decrease heat conduction and diminish the utilization of power.

**SOLID WASTE MANAGEMENT:**

Solid waste management-Daily garbage is collected by housekeeping personnel and handed over to Municipal garbage vehicle.. Waste like plastic, papers etc. are collected and sold out to scrap vendor time to time.

**LIQUID WASTE MANAGEMENT** All waste water lines from toilets; bathrooms are connected with Municipal drainage mains Liquid Waste from the wash rooms is conveyed to the municipal sewage line. A wastewater from laboratories is treated through proposed novel cavitations

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus** **A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:** **A. Any 4 or All of the above**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the** **B. Any 3 of the above**

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**C. Any 2 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

**At ACEM, efforts are constantly made in providing inclusive**

environment to students who admitted in the college at a young age. ACEM campus is rich in green spaces which are maintained, giving a message of living with nature and keeping the ambience clean. A number of cultural and sports activities are planned in an academic year on occasion of foundation day and cultural fests, indoor and outdoor sports, service to society through various activities. Navratri and Ganesh Pooja is done on regular basis for spiritual development. Some other facilities are also provided to staff and faculty members like:- It is compulsory for boys and girls to wear uniform during working hours. This reduces wastage of time in selection of dress. This is also useful to avoid socioeconomic diversities among students. Fee relaxation has been granted by the management for the students who are economically weak but are good in their studies. Different activities are being organized time to time like Cultural Programs on Foundation day Essay Competition on Clean India Green India Poster Competitions on Save Water Save Life to conserve our resources Road Safety Awareness program for students and faculties. Different programs are conducted related to the empowerment of woman and their gender equity like poster competition on Save Girl Child, Empowerment and Life Balance-Key to Success on occasion of International Women's Day. Celebration of Birth and Death anniversaries of well-known people to know about their gaining's and sacrifices to students

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

ACEM conducts a variety of programmes to educate students and employees about the citizens' values, rights, duties, and responsibilities as stipulated in the Constitution. ACEM places a strong emphasis on a student's overall development as a responsible citizen. Every year on August 15th, our school commemorates the battle of freedom fighters and the importance of liberty in order to instill a sense of patriotism among students and employees. On March 8, 2022, ACEM hosted a one-day Webinar on "Women Empowerment" for female students and employees, to raise awareness about Gender Equality - rights and self-determination in all aspects and stages of women and men's lives. Republic Day is observed on January 26th

every year. It is a time to reflect on citizens fundamental rights, duties, values, and obligations as outlined in the Indian Constitution, as well as to honor the National Flag and National Anthem. As per Government of India guidelines were provided to the institute to inform them about COVID-19. ACEM is concerned about environmental issues, Civil Department has organized a poster competition to on various environmental issues. Holi festival, Ganesh Sthapana, Navratri Puja, and Dandia event are all organised by the college to bring students closer to traditional and cultural beliefs. ACEM offers audit courses in professional ethics and human values, as well as democratic values, to help students and employees develop human values and improve democratic values. In addition, college commemorates all births and death anniversaries of all legendary persons to know about their sacrifices.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://drive.google.com/file/d/1bSewmASQBVw0G7UKFwRybY4_UpvawgEg/view?usp=share_link">https://drive.google.com/file/d/1bSewmASQBVw0G7UKFwRybY4_UpvawgEg/view?usp=share_link</a>
Any other relevant information	<a href="https://drive.google.com/file/d/142piDA1KGezRJoB7noNs5h4dacWTL5Eh/view?usp=share_link">https://drive.google.com/file/d/142piDA1KGezRJoB7noNs5h4dacWTL5Eh/view?usp=share_link</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff**      **A. All of the above**

**4. Annual awareness programmes on Code of Conduct are organized**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

#### 7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Every year, our college celebrates various national festivals such as, Ganesh sthapna is performed on Ganesh Chaturthi, and everyone gets the opportunity to perform Ganesh Aarti. Holi is a special celebration where the entire campus exchanges wishes by rubbing herbal colors on each other. Navratri is observed on campus, where faculties and students follow the nine days dress colour coding and everyone actively participates in Dandiya Night. Dussehra is celebrated by worshipping all laboratories, mechanical instruments and other equipments. Diwali is a festival where devotee's pays tribute to Lord Rama with prayers to commemorate the end of evil and the restoration of good in society. International Women's Day, Teachers' Day, International Yoga Day, and Engineer's Day are all celebrated with zeal. On March 8, International Women's Day is commemorated as a global day honouring women's social, economic, cultural, and political achievements. Yoga day is celebrated every year on 21st June by students, faculty and staff members. Engineers Day is celebrated by revealing biography of Sir M.Vishweshwrya by organizing some speeches. On 5th Sept Teachers Day is observed with much zeal and enthusiasm by celebrating the Birth Anniversary of great teacher and philosopher Dr. Sarvapalli Radhakrishnan. The birth anniversary of author of Indian constitution and a great scholar Baba Sahab Bhim Rao Ambedkar is celebrated as Ambedkar Jayanti on 14th April and Mahaparinirvan Divas is also celebrated on 6th December 2020. The National days of 26th January and 15th August are celebrated with patriotism and pride.



File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

**Best practices-1-Effective use of Virtual Lab**  
**Title of the Practice:** Effective use of Virtual Lab  
**Goal:** ? Remote access to labs in a range of science and engineering areas. Students at all levels of education, including undergraduates, postgraduates, and research experts, would benefit from these Virtual Labs. ? To stimulate students' interest in doing experiments by piqueing their curiosity. Through remote experimentation, they will be able to acquire fundamental and complex topics

**The Context :** -Under the auspices of the National Mission on Education through Information and Communication Technology, the Ministry of Human Resource Development (MHRD) of the Government of India has launched the Virtual Labs project (NMEICT).

**The Practice:** In laboratory conduction, most of the faculties conducted an experiment of a virtual lab for the students. Also, organized Outreach programs of virtual lab for Junior college faculties and students to make aware about the Virtual labs.  
**Evidence of Success:** Virtual Lab attendance of students and photos.  
**Problems Encountered and Resources Required:** Virtual Lab Site has given specific subjects for Virtual Labs.

**Best practices-2 Enrichment of Skill Sets of Student**  
**Title of the Practice:** Enrichment of Skill Sets of Student  
**Goal :** ? Alard College of Engineering and Management in Pune is devoted to assisting students to build employment skills. ? Bridging the gap between industry and academia is a vital step toward achieving this goal.

**Evidence of Success:** All workshops, seminars, guest lectures, webinars and Internship reports are attached.

File Description	Documents
Best practices in the Institutional website	<a href="https://drive.google.com/file/d/1gL64LFb8L3xm9oYtXYtF5vwTqOkXsDU6/view?usp=share_link">https://drive.google.com/file/d/1gL64LFb8L3xm9oYtXYtF5vwTqOkXsDU6/view?usp=share_link</a>
Any other relevant information	<a href="https://drive.google.com/file/d/1A_zpHD8ZF0912ZE4gwaaZD0mtunr0mBS/view?usp=share_link">https://drive.google.com/file/d/1A_zpHD8ZF0912ZE4gwaaZD0mtunr0mBS/view?usp=share_link</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

**Motivation to Faculties and students** The main objective is to appreciate the work done by the teaching staff, non-teaching staff and students of the institute and motivate them to boost in their areas of expertise. The Institute believes that a motivated employees and students can be an integral part of the Institute's success. For this reason, the institute understood the power of the reward system and how it affects the behavior of students and staff.

**Best Academic Performer:** - Depending on academic performance of faculties, this award will be decided.

**All rounder Faculties from each department:** - Recommendation taken from Head of department considering, academic, Co-curricular and extra-curricular activities, all rounder faculty award will be decided.

**Best Class:** - The institute demands application from respective departments regarding SE TE BE class performances from Classteacher.

**Best Guardian Faculty:-** The class which is selected as Best Class, that respective classteacher will be awarded as Best Guardian Faculty

**Best Department:** - The institute invites applications from the all the departments for the Best Department award.

**Best HOD:-**The department who will get Best department award, that head will be awarded as Best HOD.

**Topper of the Class:-** From each department ,in each class SE,TE ,BE ,First 3 toppers will be selected and awarded as Topper

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

Alard College of Engineering and Management is affiliated to Savitribai Phule Pune (SPPU) University and offers quality education through effective curriculum prescribed by the university.

Academic Calendar-College Academic calendar and departmental academic calendar for each academic session is prepared every year.

Time Table and Load Distribution-HOD of respective departments defines teaching load for all faculties and departmental time table is prepared accordingly. Time tables are displayed at departmental notice board.

Lesson Plan and Teaching Plan-The syllabus section on SPPU website provides details syllabus of all programs from First year to Final Year. Every faculty prepares course file in which academic calendars, syllabus structure, time table, lesson plan, teaching plans, attendance, continuous assessment and notes also lab manuals and lab files are prepared by the faculty.

Continuous Assessment - For the improvement of a student continuous assessment is done. It is based on the unit test and assignment given by the faculties.

Academic Evaluation- Principal along with HOD evaluates academic progress for improvement in teaching learning process. Student counseling is done by mentors for solving all the difficulties and also parents-teachers meet is also conducted. Regular feedback is taken from different stakeholders for adding value to existing system of teaching learning.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

### 1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

For improving system of Continuous Internal Evaluation institute follows academic calendar given by university. Academic calendar gives idea about various activities and examinations for particular academic year. University gives academic calendar based upon that institute, formulates Institute academic calendar. Institute Academic calendar is disseminated to all the concerned section heads. Academic calendar is reviewed by every departmental head and department wise academic calendar is prepared and communicated to students and teachers. Teacher prepares course file accordingly.

Academic calendar consists of following points.

Start of Academic Term.

End of Academic Term.

Examination dates of ORAL/ Practical and End Sem Examinations

Number of Holidays.

Internal Examination

Industrial visits

Guest Lecture/ Seminar

Mock Oral and Practical

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.alardcollegeofengineering.com/NAAC/Academic%20Calender%202021-22.pdf">https://www.alardcollegeofengineering.com/NAAC/Academic%20Calender%202021-22.pdf</a>

<p><b>1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University</b></p>	<p><b>A. All of the above</b></p>								
<table border="1"> <thead> <tr> <th data-bbox="102 651 537 714">File Description</th> <th data-bbox="547 651 1436 714">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="102 714 537 898">Details of participation of teachers in various bodies/activities provided as a response to the metric</td> <td data-bbox="547 714 1436 898" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="102 898 537 960">Any additional information</td> <td data-bbox="547 898 1436 960" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>	Any additional information	<a href="#">View File</a>			
File Description	Documents								
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>								
Any additional information	<a href="#">View File</a>								
<p><b>1.2 - Academic Flexibility</b></p>									
<p><b>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</b></p>									
<p><b>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</b></p>									
<p><b>7</b></p>									
<table border="1"> <thead> <tr> <th data-bbox="102 1303 537 1366">File Description</th> <th data-bbox="547 1303 1436 1366">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="102 1366 537 1433">Any additional information</td> <td data-bbox="547 1366 1436 1433" style="text-align: center;"><b>No File Uploaded</b></td> </tr> <tr> <td data-bbox="102 1433 537 1536">Minutes of relevant Academic Council/ BOS meetings</td> <td data-bbox="547 1433 1436 1536" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="102 1536 537 1632">Institutional data in prescribed format (Data Template)</td> <td data-bbox="547 1536 1436 1632" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Any additional information	<b>No File Uploaded</b>	Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>	Institutional data in prescribed format (Data Template)	<a href="#">View File</a>	
File Description	Documents								
Any additional information	<b>No File Uploaded</b>								
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>								
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>								
<p><b>1.2.2 - Number of Add on /Certificate programs offered during the year</b></p>									
<p><b>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</b></p>									
<p><b>29</b></p>									

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

138

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

"Environment Study" for first and second year, faculty makes students aware about the basic components of environment and their application in various fields. Institute organizes various activities like tree plantation, public awareness during festival season with the help of students e.g. Importance of Blood donation and blood donation camps, importance of hygiene and individual responsibilities regarding the same. As per the Government of Maharashtra and DTE norms institute follows reservation policy for Girls students. Anti Ragging committee members list has been displayed on notice board and at various places like canteen, hostel etc. Complaint from student regarding Canteen, Hostel facility, institute properly discuss and resolve with mutually agreed solutions. To match with today's need for fast and accurate information, institute provide access to fast internet to students. Student's inputs and complaint regarding same are properly studied and addressed.

Women Grievances cell.

Earn and Learn Scheme.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

15

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

198

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

B. Any 3 of the above

<b>from the following stakeholders Students Teachers Employers Alumni</b>	
File Description	Documents
URL for stakeholder feedback report	<a href="https://docs.google.com/forms/d/e/1FAIpOLS_e4PTye6dbpJ1-LYmf6dhJ6AKRMYEZVcC2F_pVz1P-Rf5W8Fg/viewform">https://docs.google.com/forms/d/e/1FAIpOLS_e4PTye6dbpJ1-LYmf6dhJ6AKRMYEZVcC2F_pVz1P-Rf5W8Fg/viewform</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<b>Nil</b>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
<b>276</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	



60

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

After admission of students, institute identifies student as slow learner and fast learner for improving academic performance of students. The internal evaluation through tests assignments and external evaluation through university examination results gives idea about slow learner and advanced learner students.

Slow Learners-- Different efforts taken by institute for slow learner are as follows: With the use of Teacher guardian scheme, problems of slow learner students are discussed by guardian teacher and counseling is done. Extra classes are arranged for students for different courses. Question banks for university examination are given to the students. Practice sessions for practical examination and oral exam questions are discussed with the students.

Advanced learners-- Different efforts taken by institute for advanced learners are as follow: Advanced learner students are motivated for participating in workshop seminars and different types of events. Advanced learner students are provided with carrier guidance for future advancement. Faculties ensure that students will get NPTEL Videos, PPTS and webinars and any other similar learning resources. Advanced learner students are participating in SAE BAJA, Sports events. Students are also enrolling for courses like, CREO, PLC&SCADA automation and ANDROID Programming

for improving technical skills. Institute Library helps student with different types of journal, periodicals for improving learning level apart from existing curriculum.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
775	71

File Description	Documents
Any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

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

The learning levels of students are improved by using different methods such as experiential learning, participative learning and problem solving methodologies.

#### Experiential learning:

Experimental learning is achieved by performing practical demonstrations on the different types of experimental setups for understanding the theoretical concepts. Experimental learning is supported by number of Labs for different courses across all programs in the institute. Based upon different courses frequent industrial visits are being arranged at various industries for exploring actual application of theoretical concepts.

#### Participative learning

Participative learning is achieved by making students to work in group rather than individual. Project is performed by students with 4-5 students which may enhance Participative learning. Different activities and events such as seminars and guest lectures are arranged for students. Social activities and events such as blood donation, tree plantation are arranged and students are encouraged for participating in these events.

#### Problem solving methodologies

Problem solving methodologies such as performing project which are giving solution to industrial problems. Another way of problem solving is achieved by means of class assignments, quizzes. The e- Learning resources such as NPTEL Videos and PPTs are also aids students for solving different problems. Courses like CREO will enhance SOLID modeling skills whereas Android programming will help students for developing different software codes for variety of applications

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The teaching learning process in class room is made innovative and creative through various efforts taken by teachers in the institute. During class room teaching for specific topic tricky questions are asked by students which helps students for thinking in different directions. A group discussion or debate on some topic, Seminars, guest lecture, quiz, unit test and Industrial visit also makes learning process simple and creative. Guest lecturers or seminars from industry expert increase the awareness of students about state of art technological advances. Teacher uses platform of ICT for improving students' performance in classroom. Through platforms like Google Classroom , students are made available every e learning resources likes NPTEL videos, webinars for discussing different topics in lectures. Teacher use modern teaching aids like projector teaching purpose. Along with that use of PPTs and demonstrations make the classroom experience more effective. Use of models of objects such as gear, key and shaft gives insight about these concepts. Simulation of problems under study through software's such as CREO, MATLAB, ANSYS and CAM improves the learning level of students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

**2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )****2.3.3.1 - Number of mentors**

71

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

**2.4 - Teacher Profile and Quality****2.4.1 - Number of full time teachers against sanctioned posts during the year**

71

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

**2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)****2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

03

File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

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

#### 2.4.3.1 - Total experience of full-time teachers

284

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

### 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Institute has taken steps towards making internal assessment transparent and robust in terms of frequency and variety. The processes of internal evaluation, marks distribution are communicated to students.

#### Internal Assessment Transparency:-

Student's attendance records in different classes are maintained on daily basis and shared with students. For improving academic performance of students unit tests are conducted by every department. After checking answer sheets of student's marks are discussed with students by every teacher. Lab journals are checked periodically and marks are assigned to students. Term work marks are discussed with students and recorded by means of continuous assessment. Assignments, projects evaluation aids for improvement in academic performance of students. Students are always welcomed for their grievance in any of case such as marks in tests, assignments or evaluation of term work marks.

Internal assessment robust in terms of frequency and variety :-

Since all the internal assessment methods procedure is well communicated with students. Practical work is assessed and evaluated weekly. Class tests are conducted twice in semester and evaluation and display of marks is done within 10 days .The assessment of assignments is performed after 15 days. Project work is evaluated at each month

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.5.1_link_supp.pdf">https://alardcollegeofengineering.com/NAAC/2.5.1 link supp.pdf</a>

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

Students may have grievances both for internal as well as university examinations. Institute has system for resolving these grievances transparently, efficiently and within less duration. As per the guidelines of

Savitribai Phule Pune university institute had appointed Chief Examination Officer (CEO) smooth conduction of Online Examination, Insem Examination, End Sem Examination and Oral, Practical Examinations. The variety of grievances notified by students are as follow:

Difficulty in Online form Submission.

Repeating of same subjects in exam form

Mismatch in Hall tickets.

Change in marks in mark sheet

Result hold in University

Photocopy

Rechecking

Aforesaid grievances are attended by student section team and resolved as early as possible. After declaration of Results

University has made provision of rechecking and photocopy of answers sheets for students through online application form to university by paying defined fees. All these forms are submitted to university and approximately within 10 days students are receiving photocopy. The photocopy assemesemt can be once again challenged by students for reverification. The changes in marks is communicated to students from university.

#### Internal Examinations Grievances

If student reports, any grievance such as less marks in term work or other evaluation will be attended by respective head of department. Head of department will discuss the issue with concerned teacher and action is taken for resolving the problem

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.5.2_link%20supp.pdf">https://alardcollegeofengineering.com/NAAC/2.5.2_link%20supp.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Institute ensures that Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed in Notice Board. Program Specific Outcomes (PSOs): Program Specific Outcomes are special qualities that student may acquire during graduation program. Course Outcomes (COs): Course Outcomes are the attributes which student may acquire after studying specific course from different graduate programs Program Outcomes (POs): Program Outcomes are nothing but graduate attributes that students acquire during four years of graduation program. POS are as follows:

1. To apply knowledge of mathematics, science, engineering fundamentals, problem-solving skills, to solve complex engineering problems.
2. To analyze the problem by finding its domain and applying domain-specific skills.
3. To understand the design issues of the product/software and

develop effective solutions with appropriate consideration of public health and safety, cultural, societal, and environmental issues.

4. To find solutions for complex problems by conducting investigations applying suitable techniques.

5. To adapt the usage of modern tools and recent software.

6. To contribute towards the society by understanding the impact of Engineering on a global aspect.

7. To understand environmental issues and design a sustainable system.

8. To understand and follow professional ethics.

9. To function effectively as an individual and a member or leader in diverse teams and interdisciplinary settings.

10. To demonstrate effective communication at various levels.

11. To apply the knowledge of Computer Engineering for development of projects, and its finance and management.

12. To keep in touch with current technologies and inculcate the practices of lifelong learning.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.6.1_CO-PO.pdf">https://alardcollegeofengineering.com/NAAC/2.6.1_CO-PO.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

Institute has developed mechanism for attainment of program outcomes, program specific outcomes and course outcomes at the end of each course. First step is to formulate course wise course outcomes for all course. Then CO-PO-PSO mapping matrix is developed with 3 point scale where 3 is high, 2- Medium and 1- Low. Next step is to use different assessment methods such as



internal and external evaluation for attainment of course outcomes and PSO for each student. Internal assessment tools consists of class test marks, assignment marks, while external assessment tools considered as Marks obtained in Online, In-Sem, End-Sem , Oral, Practical and Term Work examinations. The excel sheet is prepared for entering above attainment marks and formulas applied which will give different values of attainment in percentage and these percentage ranges are stated as follow:

Level 1: 40% of students scoring more than average marks

Level 2: 50% of students scoring more than average marks

Level 3: 60% of students scoring more than average marks

Percentage attainment of each PO and PSO is done by multiplying their mapping level with percentage attainment of respective CO.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://alardcollegeofengineering.com/NAAC/2.6.2_link%20Flowchart.pdf">https://alardcollegeofengineering.com/NAAC/2.6.2_link%20Flowchart.pdf</a>

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

205

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution

may design its own questionnaire) (results and details need to be provided as a weblink)

<https://docs.google.com/forms/d/1EFINIRALHNk-VB-bqMxmPu5HbddOb9PGAYtaKXRiXKk/edit>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

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

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

8

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

0

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**

**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

02

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

### 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Alard institute has taken initiative for creation and knowledge transfer by means of entrepreneurship development cell, industry institute interaction cell. The Institute maintains an ecosystem which enables the students to maintain a culture for innovation and research and development in areas of their interests. Students with different creative ideas approach the teachers who guide them in their work and later their work is presented in different competitions. The objective of EDC cell is to promote industrial culture and exposure to industrial activity to students and faculties. This will also aids to fulfill the curriculum gap by means of seminars or guest lectures from industrial experts. Industrial visits to different industries strengthen the knowledge of advances in actual industrial practices. Students getting industrial problems to be solved as sponsored project as a part of aforesaid knowledge transfer process. Industry institution relationship works in the following areas: Industrial visits for students and faculties, Field and site visits of students. Students also have come up with innovations in the process of taking patents for their ideas

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

12

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.3 - Research Publications and Awards****3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

3

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year****3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

28

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

#### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

6

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Graduates coming out of institutes are motivated for becoming technosocial person. Alard institute is to not only giving technical know how, but to also making students aware about different social issues for overall development. In this regards various activities or events are organized as follow.

**Blood donation:** It is the big contribution in the whole life of people. Organizing blood donation camps is the perfect way to cater to the demand of blood. Students understands the importance of blood donation and came forward voluntarily.

**Tree plantation:** Considering increasing air pollution day by day more number of trees needed. Students are motivated to plants number of trees at different location of campus. Tree will aid for making campus more green.

Swachh Bharat Abhiyan is also called as the Clean India Mission or Clean India drive or Swachh Bharat Campaign. This campaign involves the construction of latrines, promoting sanitation programmes in the rural areas, cleaning streets, roads and changing the infrastructure of the country to lead the country ahead.

Yoga day celebrated on 21st June, as it the longest day of the year in the northern hemisphere and shares special significance in many parts of the world. College celebrated yoga day to bring physical and mental disciplines together for all faculties and

students to achieve a peaceful body and mind. Its help manage stress and anxiety and keep us relaxing. It also helps in increasing flexibility, muscle strength and body tone. It improves respiration, energy and vitality.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

1

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

### 3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

#### 3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

12

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

### 3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

#### 3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

938

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.5 - Collaboration

#### 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

##### 3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

89

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

**3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year****3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

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

Institute has made provision of adequate facilities for teaching learning process. These facilities consists of classrooms, laboratories, computing equipment. The institute is fulfilling the AICTE Norms with regards of these facilities and also taking care regarding maintenance and up gradation of these facilities.

**Land Availability:** The institution has three story building with separate space for different departments with classrooms and laboratories. Institute has separate building for boys and girls hostel. The total available land is 5 acres. The built up area of institute is 12600 sq.mtr.

**Classrooms:**

Institute has designed a very spacious classroom for each department. Classroom has provided with comfortable seating arrangement and facilitates better teaching learning process. Number of classrooms available are 18 and 3 Seminar Hall.

**Laboratories:**



Institute has 41 well equipped laboratories for conducting different experiments for improving experimental learning approach. There is an well equipped workshop consists of different facilities for mechanical based practical's like machining , fitting, carpentry, welding, tin smithy shops .Due care is taken to accommodate all the candidates through proper scheduling.

#### Computational Facility:

Each department is provided with sufficient number of computer and software's for performing computational study irrespective of curriculum. Computers are connected in LAN. The internet bandwidth of 32 Mbps gives sufficient internet connectivity.

#### Library:

The Central Library of the institution is spread over 460 sq.mtr. Library is providing access to e resources in terms of journals, magazines and periodicals, NPTEL study material along with print volume

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

Alard institute has created facilities for different types of indoor and outdoor games and sports. The institute focuses on overall development of the students through co-curricular and extra-curricular activities. The students are participating into annual sports held within the institute and winner is awarded with prizes. This gives motivation to students for academic excellence along with regular teaching learning process. Institute has made available ground for outdoor games like cricket, football, basketball, Volleyball and Kabaddi. Similarly indoor such as carom, chess and badminton are arranged at auditorium. Outdoor and indoor sports contribute significantly in grooming students. Qualities like leadership, team spirit, and competitiveness can be inculcated amongst the students through such sports activities. For executing various cultural activities

an auditorium with well-equipped sound system has been available. Alard group of Institutes are going to expand and start Sports Academy in upcoming days

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

28

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

49.25

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

Library is automated with AutoLib NG Software. All the work related to issue and return has been computerized. All books are bar-coded. AutoLib NG software is a totally integrated software package encompassing all aspects of library management. Library software has facilities such as OPAC (Online Public Access Catalogue) which is used by students & faculty for search of books by title/ author name etc

Library Automation software details:-

Name of the ILMS software:- Autolib NG

Nature of automation:- Fully automated Version: NG ( New Generation)

Name of service provider:- Akash Infotech, Pune.

Date of purchase of AutoLib:- 19/07/2010.

Modules / Features of AutoLib NG Software:

Master setup

Membership

Acquisition

Cataloguing

Circulation

OPAC

REPORTS

Stock Verification

News Paper

Library has collection of books, journals, e-resources, CD, DVDs, University Project Report, Newspaper, Syllabus, Question Paper Bank, Institutes event news etc. Separate reading room is available for students and faculties. Separate digital library is also available with facilities such as subscription of DELNET for

e-journals, e-books & freely downloaded e-books. Library taken membership of DELNET, National Digital Library & NPTEL.

**Reference section:** Reference section for Books, Journals, and Project Reports of SPPU is also available in the library.

**Journals Section:** The national and International Journals are arranged separately.

**Digital Library Section:** There is a separate Digital Library section for e-recourses.

**News Paper Section:** There is a separate News paper section

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

44.84

File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

12

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

##### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

In ACEM all computers are connected with LAN and internet using CAT6 cables. It gives information via connectivity of 100 Mbps to ACEM. ACEM is Wi-Fi enabled to enjoy the internet irrespective of where you are in the campus. The college usages ICT/ERP in improving efficient teaching learning process besides increasing the automation in administration

Institution always considers the suggestion and recommendation given by all stakeholders for the necessary up gradation in IT facilities. Institution frequently updates the IT facilities including Wi-Fi like hardware, software and networking.

Internet connectivity and Wi-Fi: The institution has leased internet bandwidth of 50 Mbps. Campus is equipped with Wi-Fi facility with different Wi-Fi access point.

Computer center: The institution has a separate computer center with 282 computers which is not only used by students but also used for conducting online University and competitive examinations.

Open source:

Institution has open source software like Ubuntu 14.04 LTS, Net beans IDE 6.8, Eclipse, Python 3.6, Open JDK 7, Mysql, Firefox, Fedora.

Details of Perpetual Licenses Software:

Sr. No.

IT Software

Details (QTY)

1

Anitivirus (Quick Heal) (6\*5 user Pack)

30 Users

2.

Operating System XP Prof. sp-3, sp-2, Vista KMS, Win 7-KMS

60

3.

Server 2008 std/32bit & 64bit

05

4

Mathcad

15

5

AV Net Protector

20

Details of Softwares:

Sr. No.

IT Software

Prior

Existing

Updated on

1

Acenet 5.1 (Learner Version)

01

01

11/12/2009

IT Facilities

Prior

Existing

Updated on

AutoLib Library Management SW with Barcode Scanner.

Nil

01

10/01/2020

"DELNET"

01

01 (Renewal)

13/04/2021

Biometric Attendance System

Nil

01

08/10/2018

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**4.3.2 - Number of Computers**

282

File Description	Documents
Upload any additional information	<a href="#">View File</a>
List of Computers	<a href="#">View File</a>

**4.3.3 - Bandwidth of internet connection in the Institution**

B. 30 - 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

17.75 lakh



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

The various physical, academic and support facilities such as laboratory, library, sports complex, computers, classrooms are provided by the Institute for student overall development and growth. Every year new committees are set up separately for Energy saving, Maintenance, Housekeeping and cleaning which monitor daily Activities. For services like electricity, housekeeping, maintenance separate registers are maintained and is on regular basis is reported to higher authorities. All the head of various departments monitor maintenance of different equipment's, computer systems in all laboratories. The faculty team from other department comes for verification of stock in the lab for the available equipments and discarded equipments, by verification process. Lab in-charge and lab assistant make sure that aforesaid requirement is submitted to departmental head and signed off from Principal for further action.

A proper procedure followed for purchasing of books, journals and e-journals. Each semester, faculties submit requisition for new books for both student and faculties through Head of the department. Requisition is processed for purchase once it is remarked by Principal. All the different types of e-resources such as printer, scanner, computer, CCTV, LAN and servers are monitored for breakdown and repaired from college system administrator. Maintenance of Electrical brake down is performed by Electrician. Security of institute is governed by Security forces by means of making inward and outward entry of staff and students entering and going out from college premises.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

646

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

19

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>A. All of the above</b>
<b>File Description</b>	<b>Documents</b>
Link to Institutional website	<p style="text-align: center;"><b>Nil</b></p>
Any additional information	<p style="text-align: center;"><a href="#">View File</a></p>
Details of capability building and skills enhancement initiatives (Data Template)	<p style="text-align: center;"><a href="#">View File</a></p>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<p style="text-align: center;"><b>5</b></p>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<p style="text-align: center;"><b>5</b></p>	
<b>File Description</b>	<b>Documents</b>
Any additional information	<p style="text-align: center;"><a href="#">View File</a></p>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<p style="text-align: center;"><a href="#">View File</a></p>
<b>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</b>	<b>A. All of the above</b>

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

22

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

6

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

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

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<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 university/state/national / international level (award for a team event should be counted as one) during the year**

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

11

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

The progress of institute is not only depends upon infrastructure, physical facilities, and teachers but also on active participation of students at various levels of academic

bodies or committees. The institute is involving students at various events, activities or annual functions such as cultural events and sports.

Nominations are requested from boys and girls for various events in the institute. Selected students are acting as coordinator or volunteer for different events.

The various committees in which students are involved are as follow:

1. Women's Grievance Redressal
2. Anti- ragging Committee
3. Sports committee
4. Cultural committee
5. Canteen committee
6. Stage committee
7. Discipline Committee
8. Reception Committee

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

**5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

9

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

#### 5.4 - Alumni Engagement

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

The Institute has registered Alumni association and it aids in overall development of the academic and infrastructure of the institute. Alumni has significant role in as a member of IQAC cell and network of Alumni students are maintained by the efforts taken by the all departmental heads and Alumni coordinators. Alumni association meeting with the students and coordinator is organized periodically in the college and its main objective is to utilize the knowledge, experience and the wisdom of the students for the betterment of the institute. The alumni are visiting to institute and give their valuable feedback about the curriculum design, training & placement activities, industry institute interaction and new area for research development etc. Feedback taken from the students is used as corrective measure for improvement of the academic performance of the current year students and the development of the institute. Few alumni have come forward for giving seminar and lecture to the students to share their knowledge about industries work ethics and how to attain industry standard. They also assist the students in project selection and choosing right career path. Alumni are also connected to College through its social networking page where they are free to share their knowledge.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

<b>5.4.2 - Alumni contribution during the year (INR in Lakhs)</b>	<b>E. &lt;1Lakhs</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
<b>GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>	
<b>6.1 - Institutional Vision and Leadership</b>	
6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution	
<p>Vision-To develop a technical capability through quality technical education providing value aided programs and technical excellence to serve the society.</p> <p>Mission-</p> <ul style="list-style-type: none"> <li>• To be renowned as institute of international repute.</li> <li>• Shaping nations economy by providing technocrats and entrepreneurs.</li> <li>• Imparting outcome and skill based Technical education.</li> </ul> <p>Governing Body (GB) and Local Management Committee (LMC) have been constituted for the effective governance and management of the institute Vision, mission, quality policies and goals are designed by Governing Body and implemented by institute, reviewed time to time by Local Management Committee (LMC). The institute prepares and conducts various activities such as seminars and workshops.</p> <p>The strategies employed by the college to improve the qualities are as follows:</p> <p>Teaching and learning: The faculty members are also motivated to use innovative tools like e-learning, and LCDs. Interdepartmental coordination. Industrial visits are arranged to explore student to corporate culture and practical aspects of industrial working.</p> <p>Research and development for staff and students: Management always encourage and provide funding for promotion of research and development. Faculties are encouraged to publish their work in national and international Journals with high impact factor.</p>	



**Community engagement:** ACEM Community engagement Social activities such as blood donation camp, donation of food and clothes to orphanage are planned and executed. Activities Swatcha Bharat Abhiyan is undertaken by the institute Student Welfare/Development

**Industry interaction :** Industry institute interaction is facilitated by inviting eminent experts from the industry and academia to interact with staff and students to meet the industrial requirement.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Institute always believes and promotes a culture of participative management at all levels. The principal conducts regular meetings and involves all the staff and students in decision making wherever possible. The principal ensures participation of all the staff through decentralized administration by forming various committees. That is successfully implemented by our institute based Performance Appraisal System (PAS). There are some assessment parameters outlined to optimize the performance of faculties though calculation of Performance Indicator (PI).

1. Student centric activities (SCA) which covers Teaching-Learning and Evaluation related activities like 100 % compliance of allocated lectures, practical's, Extra lecture in excess of AICTE/ SAVITRIBAI PHULE PUNE UNIVERSITY norms, University examination duties, University In semester/ Internal examination work such as invigilation, Internal examination/evaluation duties internal/continuous assessment work, utilization of innovative teaching-learning methodologies like ICT .coordination of student centric activities as a coordinator or member like industrial visit, sponsored projects, participation in technical competitions like BAJA, Techfest, placement support, Technical festivals, sports, cultural, Alumni, educational tour, admission work, result analysis, timetable, student feedback and results of students.

2. Development and Academic contribution (DAC): In professional development parameters covered are upgradation of qualification, certification of expertise in skill development, academic contributions like conducting activities of professional bodies, interaction with outside world, organization and participation in training program, institutional and society level governance responsibilities like NAAC,

3. Research contribution: it covers number of research publications, no. of papers in conferences, consultancy, patents, Innovative projects of UG and PG level, guidance of research, involvement in student research

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The distinctiveness that has been planned and executed accordingly with different aspects exposure to both faculty as well as students of institution is research and development. To inculcate research aptitude in students different aspects such as guest lecture of industrial experts, industrial visit, in-plant training, involving students in different research schemes with faculties and encouraging them to participate in different scientific events such as Abhinavan II. Similarly teaching staff is encouraged to pursue doctoral studies, participate in seminars, conferences and workshops national and international level. Competition/conferences/seminars/workshops in the form of poster and oral presentations. This leads to development of scientific temperament by interaction between faculty and students. The faculties undertake interdisciplinary research as a part of their doctoral studies for upgradation of skills, knowledge and qualification. Furthermore, faculties and students brought accolades to the institute by presenting their research work at national and international conferences and thus institute appreciate their success in the form of incentives and appreciation letter. Mentors guide postgraduate (PG) students to write research manuscript of their research work in well reputed scientific journals, this instills and nurture the ability of PG students to understand scientific writing skills. Linkages with

neighboring institutes of repute and communities improve the competencies of faculty both in research and teaching-learning. Collaborations with local agencies result in exposure of leads to opening of tremendous scope for research on various issues. These collaboration enabled students and faculty members to interact and develop contacts with personnel from diverse field.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Governing body or Management is at uppermost level in the Organizational structure of the institution. Local management committee or college development committee aids for the overall development of institute. Internal Quality Assurance Cell (IQAC) is headed by the Principal, under his supervision quality activity inside the institute is framed and regulated for improving academic quality. Academic sections are controlled by heads of different departments responsible for daily execution of teaching learning process.

Administrative section consists of HR, Accounts, Student Section and Office superintendent for administrative system.

Anti Ragging Committee controls ragging practices at institute since, Anti Ragging Committee is framed

based upon the AICTE procedure.

Women's Grievance Cell acts as problem solving platform for all the female Teaching staff, Non-teaching staff and Students of institute.

Training and placement Cell consists of Training and Placement Officer, responsible for students development for aptitude and getting selected in various organizations.

Cultural activities are planned and successfully performed by

cultural committees.

Institute ensures recruitment of teaching and non-teaching staff based upon requirement, by giving

advertisement in news papers

Selected faculties are governed by institute service rule and other directives laid down by management. Faculties are promoted based upon interview followed by Local selection committee constituted by SPPU, Pune

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://www.alardcollegeofengineering.com/NAAC/6.2.2_link%20supp.pdf">https://www.alardcollegeofengineering.com/NAAC/6.2.2_link%20supp.pdf</a>
Upload any additional information	<a href="#">View File</a>

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

**6.3 - Faculty Empowerment Strategies**

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

Institute provides various welfare measures for teaching and non-teaching staff.

Medical leaves and casual leaves are provided to all teaching and non-teaching staff at ACEM. All the staff in ACEM is benefited by Employee's Provident Fund scheme.

Maternity leave is provided to female staff.

Employees are getting advance payment upto 10000/

The children of both teaching and non-teaching staff are getting admission in Alard International Public

school at concession rate of fees

Two set of uniform are given to nonteaching staff every year free of cost.

Hostel facility is provided for teaching and non-teaching staff.

Yoga and meditation activity is organized by the institute

File Description	Documents
Paste link for additional information	<a href="https://www.alardcollegeofengineering.com/NAAC/6.3.1.link%20supppdf.pdf">https://www.alardcollegeofengineering.com/NAAC/6.3.1.link%20supppdf.pdf</a>
Upload any additional information	<a href="#">View File</a>

### **6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

#### **6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### **6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

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

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)****6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

9

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

Institution has performance appraisal system for teaching and non-teaching staff based upon Academic Performance Indicator (API) System. Aim of appraisal system is to improve the technical knowledge and skills of teachers. Teachers are asked to fill performance appraisal form and are evaluated by respective departmental HODs. Principal reviews all the performance appraisal forms and gives feedback.

The performance appraisal is based upon various parameters such as

Number of subject taught

No. of classes taken theory

No. of classes taken Practical

Student attendance in classes theory and practical

University Result of subject

Use of ICT

Students Feedback

Research Publications

Administrative Duties Performed

Workshop/Conference/Seminar/STTP/FDP Attended

File Description	Documents
Paste link for additional information	<a href="https://www.alardcollegeofengineering.com/NAAC/6.3.5%20link%20supp.pdf">https://www.alardcollegeofengineering.com/NAAC/6.3.5%20link%20supp.pdf</a>
Upload any additional information	<a href="#">View File</a>

#### **6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Regular audits of financial transactions are an essential aspect

of any organization's functions for it to run smoothly. ACEM has a system in place for both internal and external auditing. All academic departments, libraries, institution estate and works, students' facilities, IT services, and wages are budgeted in advance to the greatest extent possible. Each item's spending is subjected to a pricing and quality inspection, institute management clearance, acquisition of the item via an established purchase procedure, and installation and commissioning (for laboratory equipment). The institute has kept accurate income and expense records as well as annual accounts that have been audited. Internal auditing is handled by qualified chartered accountants in a designated department. The accounts department keeps track of how much money comes in and how much money goes out. All payments, with the exception of those of a small nature, are paid by cheque. The Institute's accounts are also audited on a regular basis by experienced and independent auditors. The audit team, led by a trained Chartered Accountant, ensures that the Institute's accounting records are kept up to date. The audit findings are meticulously recorded. The management appoints a certified Chartered Accountant to audit the accounts on a regular basis. The financial audit is overseen by the accounting committee and presented to the qualified Chartered Accountant. Reservation funds must be used to distribute all of the pupils on their account. The government audits and verifies this account on a regular basis

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### **6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**

##### **6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**



File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institute is receiving primary funds from student's fees hence institute has developed effective strategies

for mobilization of this available fund and also effective utilization of financial resources. Annual income and expenditure budget is prepared for every year and funds are allocated for various heads of expenditures.

The some of the heads of expenditures are as follow:

Income: Fees from students.

Salary Expenses: Teaching and Non-teaching Staff Salary

Academic Expenses: Student expenses over industrial visits, Training & placement for student, l etc,

Administrative Expenses: Printing, Stationery expenses, Advertisement expenses, operating &

Other expenses, any other expenses

Development Expenses: Service charges of electricity, security, Internet and water bill. Expenses.

Repair and Maintenance of Laboratories and Consumables

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

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

The institution has constituted an Internal Quality Assurance Cell (IQAC). This IQAC cell consist of various members such as all the departmental heads, Principal, management representative, alumni. IQAC cell promotes activities for the improvement in academic performance of students as well as overall development of students. Internal Quality Assurance Cell (IQAC) aims for continual improvement in academic as well as administrative functions.

Activities instated for improvement in teaching learning process are as follow:

- Use of ICT for better understanding of concepts to students.
- Arranging different types of workshop, seminar and guest lecture for improving industry institute interaction.
- Arranging field trips for students to bridge curricular gap.
- Motivating student to understand social issues by organizing social awareness programs in the campus.
- Result Analysis: The result analysis gives number of students passed, all clear passing percentage, number of students with distinction, first class, second class, pass class and failed students in theory, practical.
- Continuous Assessment Sheet : It gives continuous assessment record of laboratory work performed by students and submission of journals. Finally, marks are assigned either 25 or 50 as applicable.

Participation of students in different competitive activities at different level.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

**IQAC cell monitors and take review of teaching learning process in the Institute. IQAC is headed by**

**Principal and other members such as Dean Academics, Heads of the department, Alumni and industrial**

**member.**

Based upon University academic calendar institute academic calendar is prepared and communicated to all the departments and administrative sections. Every department then prepare department level academic calendar. IQAC cell ensures that activities planned in academic calendar are executed for every class and from every faculty. Before formulation of IQAC cell , the institute has internal Academic Monitoring Committee (AMC) comprising of Principal, all Head of Departments and senior faculty members. The AMC monitors teaching learning processes, structures & methodologies of operations and learning outcomes at periodic intervals as per norms of institute. Two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC:

1. Department Library: The institute has come up with concept of Departmental library. Every department has departmental library. It consists of all the reference books, project reports etc. This facility motivates students for reading habits and use of technical knowledge for practical examination etc.

2. ICT Classroom: To facilitate e-learning resource and as a part of learning resource management system ICT tools such as NPTEL videos are used by all departments. This aids faculties to share teaching learning resources such as ppts, online lecture notes etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

#### **1. SAFETY AND SECURITY:**

The institution provides all possible types of safety and security to students irrespective of gender. It also provides safety by maintaining a record of all entries and exits of visitors regularly at the entrance. The institution campus including main gate, corridors, examination sections, main entrance, canteen and library are monitored by CCTV cameras. Anti ragging committee is constituted. Anti ragging squad is vigilant and conducts regular inspection. The anti ragging committee has

11 members and anti ragging squad has 7 members which include teaching and non-teaching staff. Institution has Women Grievance Cell / Internal Complaint Committee which conducts the awareness programs for ladies staff and girls students on International women's day every year. Separate male/female wardens and security guards are deployed to boys/girls hostel respectively. Additional safety precautions are taken by monitoring through CCTV camera installed in the hostel premises. A separate consulting room is provided with basic medical facilities. The institution has a tie-up with "Ruby Hall Clinic", Pune with ambulance facility for emergency medication. Bus transport facility is available for commutation. Fire extinguisher is installed in the institution at security gate.

2. COUNSELING: The Guardian Faculty Members provide personal, academic, carrier, financial, gender equality and psychological counselling to the students.

3. COMMON ROOM: Separate girl's common room and boy's common room facilities are available in the institution.

File Description	Documents
Annual gender sensitization action plan	<a href="https://drive.google.com/file/d/1-GkFbRTjA_04d0c-WnCCohKssGK_420Hc/view?usp=share_link">https://drive.google.com/file/d/1-GkFbRTjA_04d0c-WnCCohKssGK_420Hc/view?usp=share_link</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<p><u>The institution provides all possible types of safety and security to students irrespective of gender. It also provides safety by maintaining a record of all entries and exits of visitors regularly at the entrance. The institution campus including main gate, corridors, examination sections, main entrance, canteen and library are monitored by CCTV cameras. Anti ragging committee is constituted. Anti ragging squad is vigilant and conducts regular inspection. The anti ragging committee has 11 members and anti ragging squad has 7 members which include teaching and non-teaching staff. Institution has Women Grievance Cell / Internal Complaint Committee which conducts the awareness programs for ladies staff and girls students on International women's day every year. Separate male/female wardens and security guards are deployed to boys/girls hostel respectively. Additional safety precautions are taken by monitoring through CCTV camera installed in the hostel premises. A separate consulting room is provided with basic medical facilities. The institution has a tie-up with "Ruby Hall Clinic</u></p>
<b>7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment</b>	<b>C. Any 2 of the above</b>

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The excellent area of ACEM moves occupants to remain eco-accommodating. Without clogged city condition, the staff and understudies appreciate the nature personally on this ground. Other than having foundation development according to the need for an instructive ground, the establishment puts in cognizant endeavours to upgrade and sustain the eco-accommodating condition on the grounds. Checking and evaluation of the green condition on the grounds is finished. All potential outcomes of enhancing condition are continually investigated and executed in arranged manner.

#### Energy conservation:

Power utilization is decreased switching off the electric gadgets like PCs, fans, lights, and so on before leaving the rooms. The fans and lights in the room can be constrained by a solitary switch inside the room. Consequently, at the snap of the switch fans and lights of each room, office, the entire foundation can be decreased. classroom, labs, workplaces, workshop lobby, board room, library, and so on are furnished with window shades to decrease heat conduction and diminish the utilization of power.

#### SOLID WASTE MANAGEMENT:

Solid waste management-Daily garbage is collected by housekeeping personnel and handed over to Municipal garbage vehicle.. Waste like plastic, papers etc. are collected and sold out to scrap vendor time to time.

LIQUID WASTE MANAGEMENT All waste water lines from toilets; bathrooms are connected with Municipal drainage mains Liquid Waste from the wash rooms is conveyed to the municipal sewage line. A wastewater from laboratories is treated through proposed novel cavitations

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

**A. Any 4 or All of the above**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<b>No File Uploaded</b>

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the**

**B. Any 3 of the above**



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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment  
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**C. Any 2 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).**

At ACEM, efforts are constantly made in providing inclusive environment to students who admitted in the college at a young age. ACEM campus is rich in green spaces which are maintained, giving a message of living with nature and keeping the ambience clean. A number of cultural and sports activities are planned in an academic year on occasion of foundation day and cultural fests, indoor and outdoor sports, service to society through various activities. Navratri and Ganesh Pooja is done on regular basis for spiritual development. Some other facilities are also provided to staff and faculty members like:- It is compulsory for boys and girls to wear uniform during working hours. This reduces wastage of time in selection of dress. This is also useful to avoid socioeconomic diversities among students. Fee relaxation has been granted by the management for the students who are economically weak but are good in their studies. Different activities are being organized time to time like Cultural Programs on Foundation day Essay Competition on Clean India Green India Poster Competitions on Save Water Save Life to conserve our resources Road Safety Awareness program for students and faculties. Different programs are conducted related to the empowerment of woman and their gender equity like poster competition on Save Girl Child, Empowerment and Life Balance-Key to Success on occasion of International Women's Day. Celebration of Birth and Death anniversaries of well-known people to know about their gaining's and sacrifices to students

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

ACEM conducts a variety of programmes to educate students and employees about the citizens' values, rights, duties, and responsibilities as stipulated in the Constitution. ACEM places a strong emphasis on a student's overall development as a responsible citizen. Every year on August 15th, our school commemorates the battle of freedom fighters and the importance of liberty in order to instill a sense of patriotism among students and employees. On March 8, 2022, ACEM hosted a one-day Webinar on

"Women Empowerment" for female students and employees, to raise awareness about Gender Equality - rights and self-determination in all aspects and stages of women and men's lives. Republic Day is observed on January 26th every year. It is a time to reflect on citizens fundamental rights, duties, values, and obligations as outlined in the Indian Constitution, as well as to honor the National Flag and National Anthem. As per Government of India guidelines were provided to the institute to inform them about COVID-19. ACEM is concerned about environmental issues, Civil Department has organized a poster competition to on various environmental issues. Holi festival, Ganesh Sthapana, Navratri Puja, and Dandia event are all organised by the college to bring students closer to traditional and cultural beliefs. ACEM offers audit courses in professional ethics and human values, as well as democratic values, to help students and employees develop human values and improve democratic values. In addition, college commemorates all births and death anniversaries of all legendary persons to know about their sacrifices.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://drive.google.com/file/d/1bSewmASQBVw0G7UKFwRybY4_UpvawgEg/view?usp=share_link">https://drive.google.com/file/d/1bSewmASQBVw0G7UKFwRybY4_UpvawgEg/view?usp=share_link</a>
Any other relevant information	<a href="https://drive.google.com/file/d/142piDA1KGezRJoB7noNs5h4dacWTL5Eh/view?usp=share_link">https://drive.google.com/file/d/142piDA1KGezRJoB7noNs5h4dacWTL5Eh/view?usp=share_link</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

A. All of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Every year, our college celebrates various national festivals such as, Ganesh sthapna is performed on Ganesh Chaturthi, and everyone gets the opportunity to perform Ganesh Aarti. Holi is a special celebration where the entire campus exchanges wishes by rubbing herbal colors on each other. Navratri is observed on campus, where faculties and students follow the nine days dress colour coding and everyone actively participates in Dandiya Night. Dussehra is celebrated by worshipping all laboratories, mechanical instruments and other equipments. Diwali is a festival where devotee's pays tribute to Lord Rama with prayers to commemorate the end of evil and the restoration of good in society. International Women's Day, Teachers' Day, International Yoga Day, and Engineer's Day are all celebrated with zeal. On March 8, International Women's Day is commemorated as a global day honouring women's social, economic, cultural, and political achievements. Yoga day is celebrated every year on 21st June by students, faculty and staff members. Engineers Day is celebrated by revealing biography of Sir M.Vishweshwrya by organizing some speeches. On 5th Sept Teachers Day is observed with much zeal and enthusiasm by celebrating the Birth Anniversary of great teacher and philosopher Dr. Sarvapalli Radhakrishnan. The birth anniversary of author of Indian constitution and a great scholar Baba Sahab Bhim Rao Ambedkar is celebrated as Ambedkar Jayanti on 14th April and Mahaparinirvan Divas is also celebrated on 6th December 2020. The National days of 26th January and 15th August are celebrated with patriotism and pride.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

**Best practices-1-Effective use of Virtual Lab**  
**Title of the Practice:** Effective use of Virtual Lab  
**Goal:** ? Remote access to labs in a range of science and engineering areas. Students at all levels of education, including undergraduates, postgraduates, and research experts, would benefit from these Virtual Labs. ? To stimulate students' interest in doing experiments by piqueing their curiosity. Through remote experimentation, they will be able to acquire fundamental and complex topics

**The Context :** -Under the auspices of the National Mission on Education through Information and Communication Technology, the Ministry of Human Resource Development (MHRD) of the Government of India has launched the Virtual Labs project (NMEICT).

**The Practice:** In laboratory conduction, most of the faculties conducted an experiment of a virtual lab for the students. Also, organized Outreach programs of virtual lab for Junior college faculties and students to make aware about the Virtual labs.  
**Evidence of Success:** Virtual Lab attendance of students and photos.  
**Problems Encountered and Resources Required:** Virtual Lab Site has given specific subjects for Virtual Labs.

**Best practices-2 Enrichment of Skill Sets of Student**  
**Title of the Practice:** Enrichment of Skill Sets of Student  
**Goal :** ? Alard College of Engineering and Management in Pune is devoted to assisting students to build employment skills. ? Bridging the gap between industry and academia is a vital step toward achieving this goal.

**Evidence of Success:** All workshops, seminars, guest lectures, webinars and Internship reports are attached.

File Description	Documents
Best practices in the Institutional website	<a href="https://drive.google.com/file/d/1gL64LFb8L3xm9oYtXYtF5vwTqOkXsDU6/view?usp=share_link">https://drive.google.com/file/d/1gL64LFb8L3xm9oYtXYtF5vwTqOkXsDU6/view?usp=share_link</a>
Any other relevant information	<a href="https://drive.google.com/file/d/1A_zpHD8ZF0912ZE4gwaaZDOmtunr0mBS/view?usp=share_link">https://drive.google.com/file/d/1A_zpHD8ZF0912ZE4gwaaZDOmtunr0mBS/view?usp=share_link</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Motivation to Faculties and students The main objective is to appreciate the work done by the teaching staff, non-teaching staff and students of the institute and motivate them to boost in their areas of expertise. The Institute believes that a motivated employees and students can be an integral part of the Institute's success. For this reason, the institute understood the power of the reward system and how it affects the behavior of students and staff.

Best Academic Performer: - Depending on academic performance of faculties, this award will be decided.

All rounder Faculties from each department: - Recommendation taken from Head of department considering, academic, Co-curricular and extra-curricular activities, all rounder faculty award will be decided.

Best Class: - The institute demands application from respective departments regarding SE TE BE class performances from Classteacher.

Best Guardian Faculty:- The class which is selected as Best Class, that respective classteacher will be awarded as Best Guardian Faculty

Best Department: - The institute invites applications from the all the departments for the Best Department award.

Best HOD:-The department who will get Best department award, that head will be awarded as Best HOD.

Topper of the Class:- From each department ,in each class SE,TE ,BE ,First 3 toppers will be selected and awarded as Topper

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.3.2 - Plan of action for the next academic year

The institute has been opened for students on 1st February 2022 post-pandemic. The students are visiting the campus and the traditional teaching-learning model is gaining pace gradually. Although the institute is located remotely is devising plans to attract the students to campus and eradicate the fear of infections. This includes the following action items planned -

1. Introducing new ERP to take care of academic module along with the assessment
2. To provide transport facilities at affordable rates to students and convenient bus routes.
3. To provide good sports facilities and a beautiful campus to students for making them stay and learn on campus.
4. To provide the schemes of institutional scholarship to aspiring students.
5. To provide the platforms to learn from industry interactions and work close to industrial practices.
6. To provide more and equal opportunities to all students from various programs through certificate programs to make the students ready for the industry.
7. To provide better training and placement opportunities to students.
8. The NSS and student council are active and will be conducting more society-oriented programs.