YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	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
2.Institutional status	
• 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.Zarina Shaikh**
• Phone No.	**02066523702**
• Alternate phone No.	**02066523700**
• Mobile	**9901966224**
• IQAC e-mail address	**hodelectrical.acem@gmail.com**
• Alternate Email address	**reshma.kharche17@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://alardacem.com/NAAC/AQAR-II_2019-20.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://alardacem.com/NAAC/Academic%20Calender%202020-21.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.16**	**2019**	**26/11/2019**	**25/11/2024**

6.Date of Establishment of IQAC	**18/12/2017**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	**Nil**	**Nil**	**Nil**	**Nil**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	View File

9.No. of IQAC meetings held during the year	4
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

1.Membership with Professional Bodies like ISTE done

2.Permanently affiliated from Savitribai Phule Pune University, for all departments of Institute.

3.Approved as Nodal Center for Virtual Labs by IIT Bombay

4.Use of Google Classrooms and Virtual labs and MS TEAMS under ICT for further improvement in Teaching Learning Process.

5. AQAR-II Submitted on 09/03/2020.

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

Plan of Action	Achievements/Outcomes
IQAC Meetings Scheduled	Conducted on 26/09/2020 and 10/05/2021
Permanent Affiliation from Savitribai Phule Pune University, Pune	Extensive efforts are taken by IQAC and Received Permanent Affiliation from SPPU
To get ISTE Lifetime Membership at Institute Level	ISTE Lifetime Membership approved at Institute Level
To get Nodal Centre for Virtual Labs from IIT Bombay	Nodal Centre for Virtual Labs by IIT Bombay approved till 31st Dec 2021.
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, etc. during COVID pandamic situation.
To offer value added courses for student	Institute has organized value added courses for students and also run the value added courses mentioned in the curriculum designed by the University.
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	AQAR-II Submitted on 09/03/2021

13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
College Development Committee	26/06/2020

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020	**25/01/2020**

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**235**

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	**716**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**150**

File Description	Documents
Data Template	[View File](#)

2.3 Number of outgoing/ final year students during the year	**225**

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1	**64**

Number of full time teachers during the year	

File Description	Documents
Data Template	No File Uploaded

| 3.2

Number of sanctioned posts during the year	**64**

File Description	Documents
Data Template	[View File](#)

4.Institution

| 4.1

Total number of Classrooms and Seminar halls	**28**
4.2

Total expenditure excluding salary during the year (INR in lakhs) | **23.45** |
| 4.3

Total number of computers on campus for academic purposes | **282** |

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

The Alard College of Engineering and Management is affiliated to the Savitribai Phule Pune University (SPPU) and approved by AICTE. It conducts five UG and two PG program in engineering. The Institute follows the curriculum approved by SPPU. Institute has an Academic committee comprising of Principal, Academic Dean, Heads of all department (HODs) and Department Academic Coordinators which is responsible for planning and monitoring of overall academic activities and its functioning. Principal receives inputs from IQAC Head and Academic committee for planning Co-curricular and extra-curricular activities in academic calendar for institute. Each department prepares their academic calendar in line with the institute academic calendar. Principal conducts a common meeting with all departmental HOD, IQAC head and academic committee before

commencement of every semester. Students are made aware of commencement of semester through common notice.

As per syllabus given by University and the area of specialization of faculties, HOD allot teaching load to faculty members who prepare their course plan according to departmental academic calendar. Individual faculty prepare theory and practical teaching plans, course files, lab manuals, question bank with explanations, assignments and share with students by Google Apps before commencement of semester.

Schedule of internal Unit test, external In-sem End-sem exam schedule and project examinations are displayed on notice board from time to time. Institute has adopted innovative and creative teaching learning process by using of ICT, Virtual lab , learning management system and student centric method for enhancing teaching and learning experience. The effective implementation of curriculum is ensured by supplementing classroom teaching with Guest lectures, seminars, mini projects, industry visits, industrial internships, tutorials, e-learning, NPTEL lectures, assignments, unit test etc.

Institute has taken initiative to provide soft skill training, GATE preparation , MCQ practices by MY Examo software ,value added courses and counselling for better development of students. Each department assigns teachers to all the students in a batch of 20 students for mentoring and counselling. They regularly take feedback from students and try to solve their problems by counselling and keep records of the university examination marks and extra-curricular activities. Academic committee track the progress of syllabus coverage throughout the semester. Extra lectures and doubt session is taken for students. Subject teacher monitors the performance of each student and conducts remedial classes for further improvement. Defaulters list is prepared and displayed based on student monthly attendance. The academic performance of students is continuously monitored by class tests, assignments and oral evaluations along with result analysis of Online and In-semester examinations. The appropriate remedial measures are initiated for the students having poor performance in these evaluations. Performance and attendance of all the students is regularly communicated to parents through teacher guardian by telephonic conversation and through e-mail communications. Student's feedback is taken in the middle of each semester. Institute also has its own stakeholder's feedback system for improvement of course curriculum. Continuous assessment is done for Practical, Term work, Projects, Seminars, internal examination, assignment evaluation. Due to Covid-19 Pandemic situation, all teaching learning and Internal

evaluation process handled using Microsoft Teams software.

File Description	Documents
Upload relevant supporting document	View File
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 academic calendar, institute formulates Institute academic calendar. Institute Academic calendar is disseminated to all the concerned department 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.

Tentative dates of Industrial Visits/Virtual visits.

Examination dates of ORAL/ Practical and End Sem Examinations

Number of Holidays.

Internal Examination

Guest Lecture / Seminar

Mock Oral and Practical

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://www.alardacem.com/NAAC/1.1.2%20Academic%20Calender%202020-21.pdf

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	A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

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

7

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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)

23

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

96

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

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 Studies-I & II" 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 poster making on Save Water Save Life , Essay competition on Clean India Green India ,public awareness programs with the help of students e.g. road safety awareness programe and individual responsibilities regarding the same. Institute runs number of courses related to Professional ethics, human values, environment and sustainability like Humanity and social science, Entrepreneurship Development, Speaking effectively course depends on choice of students as University had given in syllabus to students. As per the Government of Maharashtra and DTE norms institute follows reservation policy for Girls students. Anti Ragging committee 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.

Entrepreneurship Development Cell

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

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	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

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

48

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

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	https://alardacem.com/NAAC/1.4.1_mech_stake.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

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	View File
URL for feedback report	https://alardacem.com/NAAC/1.4.2_Mech_student.pdf

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

205

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

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

42

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

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 earns 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 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	View File

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

Number of Students	Number of Teachers
716	64

File Description	Documents
Any additional information	View File

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. (Due to Covid Pandemic Situation, Virtual visits are carried out.)

Participative learning

Participative learning is achieved by making students to work in

group rather than individual. Project is performed by students with 4 students which may enhance Participative learning. Also University had included Project based learning subject in all branches for team work development of students. Different activities and events such as seminars and guest lectures are arranged for students. Social activities and events such as clean India Green India , 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	View File
Link for additional information	http://www.alardacem.com/NAAC/2.3.1_upload1.pdf

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 like using crosswords,Kahoot , Prezi,screencastify,screen cast-o-matic. 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 Virtual 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 like Microsoft Teams 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	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

64

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

2.4 - Teacher Profile and Quality

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

50

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

1

File Description	Documents
Any additional information	View File
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)	View File

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

226

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

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. In this direction every departmental head ensures that students are aware of different internal assessment methods. The processes of internal evaluation, marks distribution are communicated to students.

Internal Assessment Transparency:-

Student's attendance e 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 by taking Project reviews.

File Description	Documents
Any additional information	[View File]()
Link for additional information	[http://www.alardacem.com/NAAC/2.5.1_link_supp.pdf]()

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 Exam 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. Due to Covid situation, all exams are conducted by University in Online mode so, if any student facing issue ,they can directly raise grievances to University through student login exam portal or they can contact to their hepline numbers.. 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	[View File](#)
Link for additional information	http://www.alardacem.com/NAAC/2.5.2_link%20supp.pdf

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 at various locations of institute. Displayed on college website and communicated to teachers and students by displaying at departmental notice boards. Displayed at all laboratories, class room, departmental heads cabin and library etc. Program outcomes, program specific outcomes and course outcomes are displayed in lab manuals, course files. 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

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.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://alardacem.com/NAAC/2.6.1_CO-PO.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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	View File
Paste link for Additional information	http://www.alardacem.com/NAAC/2.6.2_link%20Flowchart.pdf

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

204

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
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)

http://www.alardacem.com/NAAC/2.7.1RESULT_list.pdf

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)

5

File Description	Documents
Any additional information	**No File Uploaded**
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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	<u>View File</u>

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)	<u>View File</u>
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	<u>View File</u>
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 Incubation Cell, Entrepreneurship Development Cell (EDC), 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	View File
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

19

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
List of workshops/seminars during last 5 years (Data Template)	View File

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

2

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)	View File
Any additional information	View File

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

54

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 Alard institute are motivated for becoming technosocial person. College inculcates social values and responsibilities to the faculty and staff members and students by imparting extension activities in the holistic development of the society. In this regards various activities or events are organized by the college.

- Swachh Bharat Abhiyan: Under Swachh Bharat Abhiyan the institute have conducted Essay competition on Clean India- Green India.
- Gender Equality: The institute has organized a Webinar to celebrate a women's success and raising awareness on the occasion of International Women's Day.

- **Spiritual Development:**
  - The institute has organized a Webinar on "Success and You" for spiritual development of students and staff.
  - The institutes has received Donation from ISKCON temple in the form of "Shrimad Bhagvadgeeta" 12 copies for the Spiritual Development of students.
- **Environment Awareness:** The institute has conducted Poster Making competition on Save Water Save Life to understand Water conservation and the importance of its protection.
- **Safety Awareness:**
  - The institute has conducted Road Safty and Management program to spread awareness among people about road safety measures and rules.
  - The institute has conducted online program on "Covid Stay Safe" to make everyone understand about the importance of social distancing and other preventive measures prescribed by the government.
- **Health Awareness:**
  - 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.
- **Examination Guidance:** The institute has organized a Webinar on "How to write board Exams" to guide students about difficulties while writing exam papers.

The impact of the extension activities to knowledge, skills and values of the students is an important measure of success that determines action for future plans and development of the institution.

The extension activities organized by the College help to achieve the following objectives:

- To generate deep concern for the needs of other people and the desire to encourage students in uplifting the quality of their life.
- To preserve a harmonious relationship with the community and establish actions in cooperation with government and non-government groups and individuals.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

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

01

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

10

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

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

429

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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

43

File Description	Documents
e-copies of related Document	View File
Any additional information	**No File Uploaded**
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

12

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

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 a three story building with separate space for different departments with classrooms and laboratories. Institute has separate buildings for boys and girls hostels. The total available land is 5 acres. The built up area of the 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 are18 and 3 Seminar Hall.

Laboratories:

Institute has 41 well equipped laboratories for conducting different experiments for improving experimental learning approach. There is a well equipped workshop consisting 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 a sufficient number of computers and software's for performing computational study irrespective of curriculum. Computers are connected in LAN. The internet bandwidth of 50 Mbps gives sufficient internet connectivity.

Library:The Central Library of the institution is spread over 442 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	[View File](#)
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 in annual sports held within the institute and the winner is awarded with prizes. This gives motivation to students for academic excellence along with the regular teaching learning process.

Institute has made available ground for outdoor games like cricket, football, basketball, Volleyball. Similarly indoor sports such as carom, chess, Table tennis are arranged at the 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. Also in this pandemic situation online cultural event has been conducted.

 Alard group of Institutes have expanded the sports facilities and started a Sports Academy with facilities like flood light ,cricket nets and turf, biggest box cricket facility and many more also alard sports academy has 80,000 sq ft turf ground with FIFA certified artificial turf. Students will have National and International Exposure and also they will get the opportunity to play district and club level.

File Description	Documents
Upload any additional information	[View File](#)
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	[View File](#)
Paste link for additional information	**Nil**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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)

0.25

File Description	Documents
Upload any additional information	[View File](#)
Upload audited utilization statements	[View File](#)
Upload Details of budget allocation, excluding salary during the year (Data Template	[View File](#)

4.2 - Library as a Learning Resource

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

Alard College of Engineering and management's library is an integrated knowledge resource for all the staff and students. ACEM

Library is automated with AutoLib NG Software. All the work related to issue and return has been computerized and 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.This software purchased from Akash Infotech, Pune. They provide online & offline support for software problems, proper backup, and maintenance of software during the annual maintenance contract period.

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 a 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.

Newspaper Section: There is a separate Newspaper section

File Description	Documents
Upload any additional information	View File
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	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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)

0.27

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

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	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

ACEM provides internet facilities to all the staffs and students present within the campus. ACEM   is Wi-Fi enabled to enjoy the internet irrespective of where you are in the campus. In ACEM all computers are connected with LAN and internet using CAT6 cables. It gives information via connectivity of 50 Mbps to ACEM. 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. Updated IT facilities are given as below.

Details of IT Facilities:

Sr. No.

IT Facilities

Prior

Existing

Updated on

   1.

AutoLib Library Management SW with Barcode Scanner.

Nil

01

10/01/2020

   1.

"DELNET"

01

01 (Renewal)

13/04/2021

3.

"NDL"

Nil

01

4.

CCTV

Nil

15

16/09/2016

5

Biometric Attendance System

Nil

01

08/10/2018

6

Lease Line

20 MBPS

50 MBPS

14/10/2019

7

Cyberoam Firewall

01

Nill

16/08/2011

8

Wi-Fi facility (Router)

-

20

2015(Kushi electronics ,bhor sir bill

09 (Icon Computer)

09

03 (Wireless router D-Link)

03

Network Updation

Star topology

Star topology

From establishment

9

IBM Server

01

2/01/2010

10

Dell server T110 Xeon E3430

04

29/09/2010

11

Internet switches (manageable)

02

02

29/09/2010 Bil account

12

Internet switches (Ummanageable)

08 (24 port)

08

29/09/2010 Bil account

13

Internet switches (Ummanageable)

08 (16 port)

08

29/09/2010 Bil account

14

Internet switches (Ummanageable)

08 (08 port)

08

29/09/2010 Bil account

15

Internet switches (Ummanageable)

05 (24 port)

05

16

D Link 16 Port Switch

01

01

16/09/2013

17

D Link 08 Port Switch

02

02

18

Cannon Image Runner 2525 (Xerox Machine)

01

01

19

Web Camera Logitech

01

01

Details of computing facilities:

Sr. No.

Item

Quantity

1.

Desktop Computers

65 (HCL) + 130 + 12 (ACER) + 75 (Lenovo Thinkcenter)

2.

Servers

3.

Laptops and notebooks

4

Laser Printer (B&W)

5 + 06 (HP LaserJet P1108)

5

Dot Matrix Printer

1+ 4

6

Color Printers

7

LCD Projectors

4 (Toshiba)   + 5(SVGA)

8

Scanners

9

Sound Card Blaster

22

10

Biometric machine

01

11

Head Phone Intex

22

12

Barcode Scanner (Library)

01

13

Digital fast copier cum printer

1

14

SATA 500 GB Hard Disk

05

15

USB Net Service Dlink

01

16

LAN Cable Tester

01

17

SMPS Volts

05

18

DVD R/W USB

02

19

Mouse USB U7

10

20

 Keyboard U7

05

21

Crmpiny tool

01

22

Fizzible company Bealebone Blade, traffic Light, Graphics card- 1 GB, Stepper Motor

03

23

Innovative solution WSN kit for Fire Detection

01

24

Slave unit-89552 PCB adaptor, Xbee module, smoke sensor module

02

24

Dynolog India Ltd. Advanced 8086 microprocessor trainer with 40*2 line LCD display

05

26

Dynolog India Ltd. 8255 study card

02

27

Dynolog India Ltd. 8253 study card

02

28

Dynolog India Ltd. 8251 study card

02

29

Dynolog India Ltd. 8259 study card

02

30

Dynolog India Ltd. 8279 study card

02

31

Dynolog India Ltd. PIO ADC 01 PIO Based single channel A to D

convertor card

02

32

Dynolog India Ltd. PIO DAC 01 PIO Based single channel D to A
convertor card

02

33

Dynolog India Ltd. PIO based stepper motor

02

34

Dynolog India Ltd. Cable connetcor set with keyboard

05

Details of Softwares:

Sr. No.

IT Software

Prior

Existing

Updated on

1

Acenet 5.1 (Learner Version)

01

01

11/12/2009

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

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.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

282

File Description	Documents
Upload any additional information	View File
List of Computers	View File

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

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

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)

52.72

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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. It is very important to perform regular maintenance and repair activities for proper functioning of the institute. Every year new committees are set up separately for Energy saving, Maintenance, Housekeeping and cleaning which monitor daily Activities. Along with these personnel are appointed by the Institute for proper functioning of the college for maintenance, furniture, transportation, generator shut down and computer repairment. For services like electricity, housekeeping, maintenance separate registers are maintained and is on regular basis is reported to higher authorities. All the laboratories, classrooms and administrative offices are cleaned by means of team of housekeeping personals. Housekeeping activity at every lab is monitored by respective lab In-charges. All the heads of various departments monitor maintenance of different equipments, 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. Institute provides funds for purchase of consumable materials, new equipment's or repairs of breakdown machines or equipments for every departments. 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 books, journals and e-journals. Each semester, faculties submit requisition for new books for both students and faculties through the Head of the department. Requisition is processed for purchase once it is remarked by the Principal.

All the different types of e-resources such as printer, scanner,

computer, CCTV, LAN and servers are monitored for breakdown and repaired by the college system administrator. Maintenance of Electrical breakdown is performed by an Electrician.

Security of the 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	View File
Paste link for additional information	https://alardacem.com/NAAC/4.4.2-link%20supp.pdf

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

624

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
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)	View File

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

21

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

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	[View File](#)
Details of capability building and skills enhancement initiatives (Data Template)	[View File](#)

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

6

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

6

File Description	Documents
Any additional information	[View File](#)
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	[View File](#)

5.1.5 - The Institution has a transparent mechanism for timely redressal of student	**A. All of the above**

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	**No File Uploaded**
Details of student grievances including sexual harassment and ragging cases	View File

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

77

File Description	Documents
Self-attested list of students placed	**No File Uploaded**
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

02

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	**No File Uploaded**
Details of student progression to higher education	View File

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

04

File Description	Documents
Upload supporting data for the same	View File
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

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.

04

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at univer sity/state/national/international level (During the year) (Data Template)	View File

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 Institution has a platform for the active participation of the students in the various academic and administrative bodies including other activities. This empowers the students in gaining leadership qualities, and execution skills. 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. Student Council Committee 4. Grievance Redressal Committee

A student council constitution and operation highlights are given below:

- The student council has a representative sub council, which is called Class Committee and includes

  student members. The student members bring forward the views and suggestions of the entire class   with respect to the faculty, subjects, syllabus and other things related to the class.

- The Student Council helps students to share ideas, interests, and concerns with faculty members.

Student council members are directed to take care of different activities under the guidance of the faculty in-charge. The students committee is also actively involved in academic development of the college.

File Description	Documents
Paste link for additional information	https://drive.google.com/file/d/1x1S2VH9vosu HGKTL6w9d5iA8zRD1-gC0/view?usp=sharing
Upload any additional information	View File

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

05

File Description	Documents
Report of the event	View File
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)	View File

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 online 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	[View File](#)

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

File Description	Documents
Upload any additional information	[View File](#)

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.**
- **Enhancing abilities of common masses by developing research attitude, values and skills required for engineering**

excellence thus contributing in nation building.

Governing Body (GB) and Local Managenent 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 GB approves the budget recommended by LMC. For academics the organization depicts the flow of authority and the functions of various coordinators. The institute prepares and conducts various activities such as seminars and workshops within the academic calendar of the institute. There are different activity coordinators for the activities like academic coordinator, training and placement, examination Incharge (Chief Examination Officer) etc are appointed. Objectives of perspective plan of the institute is to impart quality teaching and learning process, innovative research methodologies, upgradation in modern state-of-the-art laboratory facility. Further improving interaction with industry and also preparing students for becoming future leader in Engineering community.

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 Feedback from the students is to improve teaching methodology. 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. Students encouraged to participate in research activities like Abhinavan II.

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: Student welfare activities involve applying for QIP sports scheme of SPPU, Pune. Organizing various programs such as personality 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	View File

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).

Principal should submit the report duly completed in all respect, to the Chairman.

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, Teacher guardian, Class teacher, student attendance, 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	View File

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 apptitude 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. Students are motivated to participate in techfest competition, which includes different events. 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	View File
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	http://www.alardacem.com/NAAC/6.2.2_link%20supp.pdf
Upload any additional information	View File

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	**No File Uploaded**
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Welfare measures policy provides welfare measures for teaching /non-teaching staff during the employment at Alard College of Engineering and Management, Pune. The policy document is prepared in consideration of different aspects for overall development of staff. The document highlights policies in the areas of academic freedom and areas of personnel prosperity as per eligible criteria and norms.

ELIGIBILITY:- This policy is applicable to full time teaching/Non-teaching staff of the Alard College of Pharmacy.

OBJECTIVE:- The objective of welfare measures policy is to enhance the overall development of staff.

List of Welfare measures provided by institute for teaching and non-teaching staff:

1.Faculty members are encouraged for attending self development programs and higher education. 2.Group insurance scheme is provided for teaching and non-teaching staff.

3.Staff members can avail the leave facilities as per the eligibility criteria and norms. Various leaves available to teaching and non-teaching staff are vacation leave, casual leave, earned Leaves, medical leave and maternity leave (for ladies staff)

 4.Concession in fees for staff for those enrolled to courses in campus for themselves and their wards.

5.Employee Provident Fund is provided for teaching and non-teaching staff.

6.College vehicle is available in campus for any medical emergency.

7.The Institute provides college uniform to Security Personal and peons.

8.Teachers are presented with the Best Faculty, Best All rounder Teacher and Best HOD awards on foundation day on basis of overall performance in previous academic year.

9.Institute shall organize various academic/administrative training programs to upgrade skills/knowledge of teaching/Non-teaching staff. After Successful completion of training/attending the program, staff shall be awarded with certificates.

10.Institute has constituted an Internal Grievance Redressal Cell to address issues related to women employees/Girl students. The mechanism has been established to register/handle and solve the women's grievances as per the norms of regulatory authority.

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

12.The institute is having MOU with Health Clinic giving health care

facility for all teaching/Nonteaching staff.

File Description	Documents
Paste link for additional information	http://www.alardacem.com/NAAC/6.3.1.link%20s upppdf.pdf
Upload any additional information	View File

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

3

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

7

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

13

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	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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 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	http://www.alardacem.com/NAAC/6.3.5%20link%20supp.pdf
Upload any additional information	View File

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. Additional Information includes audited income and expenditure statements as well as audited institute accounts. 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	[View File](#)

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)

0

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	[View File](#)

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	[View File](#)

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 consists 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.

Two initiatives taken through IQAC

1. Effective use of Virtual Lab: During COVID pandemic situation, for Students College was run in online mode, so to get best practical knowledge to all students, IQAC had taken initiative for getting nodal centre from IIT Bombay and after approval from them, all practicals are conducted on Vlabs Platform.

2. Enrichment of Skill Sets of Student: Promoted students for taking more Internship since second year of UG program. Imparting need based training to the students to enhance employability and entrepreneurship. Value added courses run in terms of audit courses. Conducting guest lectures, workshops and seminars to encourage higher education within and outside the country. Promote students to participate in copyright conference.

Provided career guidance programs.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

Teaching learning process involves classroom pedagogy combined with theory and practical platforms. Classroom teaching is assisted by Microsoft Teams software due to pandemic situation.. This not only helps better understanding of technical knowhow among students, they also learn presentation skills. The teaching is assessed by seminars, conducting internal tests assessments, scheduling extra classes for course completion on time, arrangement of remedial classes for slow learners and initiating self-research based learning through PBL-II and BE projects, in order to encourage research activities. Provision of Wi-Fi facility has enriched the teaching process. Students are well informed of course plan at the beginning of every session. IQAC collects feedback from students in specially designed questionnaires. Feedback is collected on curricular aspects, teaching learning methods, faculty programs and institutional programs. Steps are taken to improve overall performance of the college by analyzing the feedback from the students.

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. Virtual Lab platform is used by all

faculties for understanding practicals to students in pandemic situation. This aids faculties to share teaching learning resources such as ppts, online lecture notes etc.

Some of the incremental improvements are made in both academic and administrative are mentioned below:

1. Innovative and technology enabled teaching methods have been incorporated in the teaching learning process.

2. All departments conducted seminars and workshops to enhance academic quality

3. Academic Administrative Audit (AAA) mechanism has been strengthened.

4. Institute organized outreach program for the local community under virtual labs and also organized program for 12th students regarding how to write board exams effectively.

5. An Entrepreneurship Development Cell has been set up to coordinate and encourage the students to become entrepreneurs.

 6. Virtual visits have been conducted using YouTube video links.

7. Online Admission was introduced to ensure an efficient admission process.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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

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. The institution has separate boys and girls hostel with capacity of 117 and 75 respectively. Separate male/female wardens and security guards are deployed to boys/girls hostel respectively. Students need special permission and intimation to warden for late reporting after 9pm in the hostel. 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. First aid box is available in common places in the institution. 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 counseling 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	http://www.alardacem.com/NAAC/7.1.1 Annual%20Action%20plan_supp.pdf
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	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. The institution has separate boys and girls hostel with capacity of 117 and 75 respectively. Separate male/female wardens and security guards are deployed to boys/girls hostel respectively. Students need special permission and intimation to warden for late reporting after 9pm in the hostel. 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. First aid box is available in common places in the institution. The institution has a tie-up with "Ruby Hall Clinic

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy	**C. Any 2 of the above**

Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

File Description	Documents
Geo tagged Photographs	[View File]()
Any other relevant information	[View File]()

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.

SOLID WASTE MANAGEMENT:

1. Daily garbage is collected by housekeeping personnel and handed over to Municipal garbage vehicle.
2. Waste like plastic, metals, glass, cardboard, newspaper and stationery are systematically collected, are collected and sold out to scrap vendor time for recycling.
3. The college has adopted a nearly paperless concept by digitizing office procedures through electronic methods such as WhatsApp groups, email, and so on.
4. In office practices, the use of one-sided paper is promoted in printing draughts before final documents, meeting minutes, memos, and notes.
5. During numerous extracurricular activities, students are encouraged to use waste paper and newspaper in imaginative ways.
6. To help with garbage separation, dustbins have been placed throughout campus.

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.

E-WASTE MANAGEMENT

1) Electronic gadgets are repaired for minor defects by our lab technicians to ensure its optimum utilization.

2) The electronic waste components such as computer system components, CPU and ICs are used in practical demonstration to students.

HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE

Campus is free from any kind of radioactive waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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	View File
Any other relevant information	View File

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	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	View File
Any other relevant information	View File

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	C. Any 2 of the above

reading material, screen	**reading**	

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
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 tender age. The students are taken on a journey of learning with an exposure to living in harmony which inculcates in them moral values and tolerance for each other. 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 The students living in hostels are served with food with a flavor of different regions to appreciate the diversity of our culture. Navratri and Ganesh Pooja will be 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, if they submit their request.**
- **Paid leave has been provided to faculty members of minority community during Eid, Christmas etc.**

Different activities are being organized time to time like

- **Cultural Programms 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 Suceess on occasion of International Womens Day.**
- **Celebration of festivals like Navratri, Ganesh Sthapna.**
- **Celebration of various days to know the importance to students.**
- **Celebration of Birth and Death anniversaries of well-known people to know about their ganings and sacrifice to students.**

Due to COVID-19, ACEM students could not participate in most of the events physically,so conducted events in online mode.

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

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 instil a sense of patriotism among students and employees. On March 8, 2021, ACEM hosted a one-day Webinar on "Women Empowerment and Work-Life Balance-Key to Success" for female students and employees, with a Sukshmaurja (Numerologist) as the resource person, 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 honour the

National Flag and National Anthem. As per Government of India guidelines were provided to the institute to inform them about COVID-19. Our students conducted awareness program on use of masks and sanitizers in online media. ACEM is concerned about gender equality , the Mechanical Department organised a poster competition to help save girl children. 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	http://www.alardacem.com/NAAC/7.1.9.pdf
Any other relevant information	http://www.alardacem.com/NAAC/7.1.9_supp.pdf

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	View File
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	View File
Any other relevant information	View File

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

Cultural significance is marked with celebrations. Peace and unity are brought about by festive feeling. Every year, our college celebrates National Festivals by hosting an event throughout the year to keep such feelings alive. Faculty, staff, and students get together to celebrate Holi, Diwali, Ganesh Sthapana, and Navratri.

- Ganesh sthapna will be performed on Ganesh Chaturthi, and each department will get the opportunity to perform Shri Ganesh Aarti for ten days. Students prepare Mahaprasad for the entire campus on the last day.
- Holi is a special celebration for faculty, students, and staff, during which the entire campus exchanges wishes by rubbing herbal colors and chandan powder on each other's foreheads.
- Navratri is observed on campus, and students organize a special program to honor Goddess Durga's idol, which they actively participate in Dandiya Night.
- Dassehra is celebrated by worshipping all laboratory and mechanical workshop instruments and equipment.
- Diwali is a few days long festival in which devotees pays tribute to Lord Rama with prayers, cultural events, and fireworks displays to commemorate the end of evil and the restoration of dharma in society.
- Maha Shivaratri is an annual Hindu event dedicated to the god Shiva. The devotees at the institute observe it by chanting prayers and fasting.
- 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. ACEM honours female faculty members with special awards and gifts on this day.
- 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 the students. On Teachers Day, we celebrate 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.

- **We celebrate birth anniversary of Mahatma Gandhi, the father of Nation as Gandhi Jayanti on 2nd of October by organizing various competitions.**
- **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)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

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.**
- **To provide a full Learning Management System focused on the Virtual Labs, where students can access a variety of learning resources, such as extra web resources, video lectures, animated demonstrations, and self-evaluation.**

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).

- We can take practical practise sessions online using Vlab. Through remote experimentation, they will be able to acquire knowlege o fundamental and advanced topics.
- The teacher can explain dynamic programme execution on various inputs.
- All Science and Engineering College students and faculty members who do not have access to good lab facilities and/or tools.

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. So every faculty could not be able to take advantage of this lab, if it is not available on the Vlab portal. So,in that case we have taken help of other resources for taking practicals.

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.
- For updated learning, students are offered with Value Added Programs under the Savitribai Phule Pune University Syllabus and other learning platforms such as workshops based on developing technologies, virtual industry visits, and guest lectures.

The Context:

In India, the increased demand for emerging trends training among engineering graduates indicates a mismatch between academic education and business demands. ACEM is a college connected with

Savitribai Phule Pune University and it is not allowed to add new subjects to the curriculum. However, more training is required to meet industrial requirements. According to comments from stakeholders (students, alumni, employers, and parents), digital transformation of industries requires skilled manpower with a basic understanding of platforms and technology. Artificial Intelligence, Electric Vehicles, advanced languages and other fields in the software industry require specialised training. Core engineering organisations, on the other hand, require engineers who are familiar with Industry 4.0.

The Practice:

- Promoted students for taking more Internship since second year of UG program

- Imparting need based training to the students to enhance employability and entrepreneurship.
- Value added courses run in terms of audit courses.
- Conducting guest lectures, workshops and seminars to encourage higher education within and outside the country.
- Promote students to participate in copyright conference.
- Provided career guidance programs.

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

Problems Encountered and Resources Required: As these courses are not from the university syllabus, so arranging of webinars and workshops is another challenge. College also faced problem due to lack of adequate skill-sets for Industry 4.0.

File Description	Documents
Best practices in the Institutional website	http://www.alardacem.com/NAAC/7.2.1_best%20practices.pdf
Any other relevant information	http://www.alardacem.com/NAAC/7.2.1_best%20practices_supp.pdf

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

Institutional Distinctiveness

- 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. When employees and students are motivated to work with higher levels of skills and abilities, the institute as a whole can work more efficiently and achieve its goals and objectives more effectively. For this reason, the institute understood the power of the reward system and how it affects the behavior of students and staff. Reward is a positive result of the achievement of employees and students.

The institute has constituted the following Awards for its staff and students.

The mode of awward is in terms of appreciation certificates and momentos.

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

2. 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.

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

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

5. Best Department: - The institute invites applications from the all the departments for the Best Department award. The committee evaluates the forms submitted by each department and will decide the

department having maximum score as the Best Department Award

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

7. Best Subject Teacher for 100% University Result: The faculty who taught subject and university result is 100% then that faculty is awarded as Best Subject Teacher.

8. 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	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1) To promote research activities by motivating the staff for more publications, patents, innovations, research grants, etc.

2) To organize skill development/training programs for Non-teaching Staff.

3) To motivate staff for pursuing MOOCs courses.

4) To get research proposals through national/ international collaborations.

5) Enhancement in faculty cadre ratio by appointing doctorate faculty and increase in number of internal doctorate faculty.

6) To increase certificate courses for students.

7) Intensive training for preparing students for competitive examination, departmental Training placement co-ordinator will work for providing support to students willing to prepare for various competitive examinations and for creating conducive environment for students for the same.

8) To increase more placements for current academic year.