



Yearly Status Report - 2019-2020

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 own campus | Yes |
| Phone no/Alternate Phone no. | 020-66523700 |
| Mobile no. | 8411010602 |
| Registered Email | principalacem@alardinstitutes.com |
| Alternate Email | 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 |

| Pincode | 411057 | | | | | | | | | | | | | | | | | | |
|--|---|------|---------------------------------------|-------------|-------------|-------|-------|------|----------------------|----------|--|-------------|-----------|---|---|------|------|-------------|-------------|
| 2. Institutional Status | | | | | | | | | | | | | | | | | | | |
| Affiliated / Constituent | Affiliated | | | | | | | | | | | | | | | | | | |
| Type of Institution | Co-education | | | | | | | | | | | | | | | | | | |
| Location | Urban | | | | | | | | | | | | | | | | | | |
| Financial Status | private | | | | | | | | | | | | | | | | | | |
| Name of the IQAC co-ordinator/Director | Prof.Zarina Shaikh | | | | | | | | | | | | | | | | | | |
| Phone no/Alternate Phone no. | 02066523702 | | | | | | | | | | | | | | | | | | |
| Mobile no. | 9975605509 | | | | | | | | | | | | | | | | | | |
| Registered Email | hodelectrical.acem@gmail.com | | | | | | | | | | | | | | | | | | |
| Alternate Email | reshma.kharche17@gmail.com | | | | | | | | | | | | | | | | | | |
| 3. Website Address | | | | | | | | | | | | | | | | | | | |
| Web-link of the AQAR: (Previous Academic Year) | http://www.alardacem.com/NAAC/AQAR_Final_ACEM_2018-19.pdf | | | | | | | | | | | | | | | | | | |
| 4. Whether Academic Calendar prepared during the year | Yes | | | | | | | | | | | | | | | | | | |
| if yes,whether it is uploaded in the institutional website: Weblink : | http://www.alardacem.com/NAAC/Academic-Calendar-2019-20-Term-I-Term-II.pdf | | | | | | | | | | | | | | | | | | |
| 5. Accrediation Details | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.16</td> <td>2019</td> <td>26-Nov-2019</td> <td>25-Nov-2024</td> </tr> </tbody> </table> | | | | | | Cycle | Grade | CGPA | Year of Accrediation | Validity | | Period From | Period To | 1 | B | 2.16 | 2019 | 26-Nov-2019 | 25-Nov-2024 |
| Cycle | Grade | CGPA | Year of Accrediation | Validity | | | | | | | | | | | | | | | |
| | | | | Period From | Period To | | | | | | | | | | | | | | |
| 1 | B | 2.16 | 2019 | 26-Nov-2019 | 25-Nov-2024 | | | | | | | | | | | | | | |
| 6. Date of Establishment of IQAC | 18-Dec-2017 | | | | | | | | | | | | | | | | | | |
| 7. Internal Quality Assurance System | | | | | | | | | | | | | | | | | | | |
| Quality initiatives by IQAC during the year for promoting quality culture | | | | | | | | | | | | | | | | | | | |
| Item /Title of the quality initiative by | Date & Duration | | Number of participants/ beneficiaries | | | | | | | | | | | | | | | | |

| IQAC | | |
|--|------------------|-----|
| Covid-19 Awareness Quiz | 02-May-2020 7 | 550 |
| E-Quiz on Artificial Intelligence | 19-May-2020 4 | 537 |
| Industrial Visit of Sardar Sarovar Dam, Gujrat | 31-Jan-2020 1 | 30 |
| Webinar on STADD-PRO | 26-May-2020 1 | 40 |
| Seminar on Electric Vehicle by PCRA | 18-Jan-2020 1 | 71 |
| Workshop on Arduino | 08-Nov-2019 5 | 60 |
| Workshop on Block chain Technology | 30-Aug-2019 2 | 41 |
| Workshop on Python | 10-Mar-2020 5 | 25 |
| Industrial Visit at ARAI Chakan | 12-Oct-2019 1 | 20 |
| CAD/CAM/CAE Awareness | 31-Jul-2019 1 | 27 |
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--------------------------------|------------|----------------------------------|-----------------------------|--------|
| Institute | QIP Scheme | Savitribai Phule Pune University | 2019 180 | 130000 |
| View File | | | | |

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

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

| | |
|---|--------|
| 11. Whether IQAC received funding from any of the funding agency to support its activities during the year? | Yes |
| If yes, mention the amount | 130000 |
| Year | 2019 |

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

1 Initiation of Institute Incubation Centre in association with Skywings Technology Pvt.Ltd. 2 Execution of National Seminar TechnoScience dated 13 Feb to 14 Feb 2020 3 Permanently affiliated from Savitribai Phule Pune University, for all departments of Institute. 4 Achieved NAAC Accreditation 5 Use of Google Classroom and Virtual labs under ICT for further improvement in Teaching Learning Process 6 Initiation of Institute Incubation Centre in association with Savitribai Phule Pune University(SPPU) and conducted Hackathon competition under the same 7 AQAR Submitted on 14/03/2020.

[View File](#)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

| Plan of Action | Achivements/Outcomes |
|---|---|
| IQAC Meetings Scheduled | Conducted on 20/06/2019 and 02/01/2020 |
| Permanent Affiliation from Savitribai Phule Pune University, Pune | Extensive efforts are taken by IQAC and Received Permanent Affiliation from SPPU |
| National Level Seminar to scheduled | Conducted on 13/02/2020 to 14/02/2020 |
| 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 organize various online quizez and workshops for knowledge improvement of students | Conducted online quizzes on syllabus oriented subjects and general awareness, Conducted workshop on technical awareness. |
| To offer value added courses for student | MOU with Youth Peace foundation like "Success and You" and Program on IQ ,EQ |
| Industry Institute Interaction to be improved | MOUs has been increased . |
| Industry visit initiative | Significant improvements in number of industrial visit organised, MoUs,internships and training . |

| Submit AQAR | AQAR-I Submitted on 14/03/2020 | | | | |
|--|--------------------------------|------------------------|--------------|-------------------------------|-------------|
| View File | | | | | |
| 14. Whether AQAR was placed before statutory body ? | Yes | | | | |
| <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td>College Development Committee</td> <td>22-Jul-2019</td> </tr> </tbody> </table> | | Name of Statutory Body | Meeting Date | College Development Committee | 22-Jul-2019 |
| Name of Statutory Body | Meeting Date | | | | |
| College Development Committee | 22-Jul-2019 | | | | |
| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ? | Yes | | | | |
| Date of Visit | 23-Nov-2019 | | | | |
| 16. Whether institutional data submitted to AISHE: | Yes | | | | |
| Year of Submission | 2020 | | | | |
| Date of Submission | 25-Jan-2020 | | | | |
| 17. Does the Institution have Management Information System ? | No | | | | |

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The 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.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entrepreneurship | Skill Development |
|-----------------------------|-----------------|-----------------------|----------|--|-------------------|
| Block Chain technology | NA | 30/08/2019 | 2 | Focus on employability | Nil |
| Workshop on Python | NA | 10/03/2020 | 5 | Focus on employability | Nil |
| Workshop on Industry 4.0 | NA | 11/03/2020 | 4 | Focus on employability | Nil |
| PLC SCADA | NA | 04/09/2019 | 5 | Nil | Yes |
| AMCA | NA | 27/09/2019 | 5 | Nil | Yes |
| AURDINO Workshop | NA | 08/11/2019 | 5 | Nil | Yes |
| Ultra Tech Cement Ltd. Pune | NA | 26/08/2019 | 1 | Focus on employability | Nil |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---------------------------|--------------------------|-----------------------|
| BE | First Year Engineering | 15/06/2019 |
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|---|---|
| BE | Computer Engineering | 15/06/2019 |
| BE | Civil Engineering | 15/06/2019 |
| BE | Mechanical Engineering | 15/06/2019 |
| BE | Electrical Engineering | 15/06/2019 |
| BE | Electronics and Telecommunication Engineering | 15/06/2019 |
| ME | Computer Engineering | 15/06/2019 |
| ME | Mechanical Design Engineering | 15/06/2019 |

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

| | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 246 | Nil |

1.3 – Curriculum Enrichment

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

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|---------------------------|----------------------|-----------------------------|
| Soft skill | 15/06/2019 | 56 |
| Soft Skills | 15/12/2019 | 50 |
| Aptitude Preparation | 27/11/2019 | 16 |
| Soft Skills | 15/12/2019 | 29 |
| Aptitude Preparation | 27/11/2019 | 30 |
| Soft Skills | 18/06/2019 | 54 |
| PLC SCADA | 04/09/2019 | 37 |
| AMCA | 27/09/2019 | 17 |
| AURDINO WORKSHOP | 08/11/2019 | 25 |
| View File | | |

1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|---------------------------|--------------------------|---|
| BE | Computer Engineering | 3 |
| BE | Mechanical Engineering | 3 |
| BE | Electrical Engineering | 4 |
| BE | Civil Engineering | 16 |
| View File | | |

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|----------|-----|
| Students | Yes |
|----------|-----|

| | |
|-----------|-----|
| Teachers | Yes |
| Employers | No |
| Alumni | Yes |
| Parents | Yes |

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

Feedback Obtained

The purpose of this feedback policy is for enhancing the overall development of the Institution. Action taken Report on Feedback from Stakeholders Effective feedback, both positive and negative, is very helpful. Feedback is valuable information that will be used to make important decisions. It provides a framework for quality and effectiveness of the Institute's curriculum from students and stakeholders who can be used for program evaluation, accreditation and other academic quality assurance processes and activities. This Policy provides monitoring and improving the quality of student's learning experiences through the timely collection, analysis and reporting of student feedback concerning teaching, learning and assessment. It also provides opportunities for students and stakeholders to actively participate in the continuous improvement of programs. The Academic Head and academic coordinators are jointly responsible for the collection, analysis and reporting of stakeholder feedback relating to academic programs. Coordination of responses to feedback will be the responsibility of the Heads of Departments. Corrective action is implemented after discussion in departmental and IQAC meetings .Student feedback is a core component of program evaluation but feedback is also sought from Alumni, Graduates, Parents and Academic peers. Every year, Institution organizes Alumni Meet by inviting alumni to college. They interact with faculty members and students and share their knowledge which creates strong bond for getting internships, trainings, job links etc. Feedback collected from alumni is discussed in departmental meetings and corrective measures are implemented. Feedback from parents is collected during every departmental parents meeting. Suggestions given are discussed in faculty meetings and corrective actions are initiated. Feedback processes will be systematic, rigorous and respectful of the rights of students and staff and will incorporate strategies to maximize student participation. Collecting Feedback: The Institute seeks student feedback in a Google form which can be analyzed and reported every time a course is delivered through course end survey. A set of questions will form the basis of a survey used to systematically evaluate teaching and learning in all courses. Actions on summarized feedback: All the feed backs received from various stakeholders are summarized and analysis is carried out at department level. Recommendations received from the heads are discussed in HODs meeting and forwarded to management for approval/sanctions. The whole objective of this policy is effective implementation of Curriculum for better learning and continuous improvement of the processes and practices.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|--------------------------|---------------------------|--------------------------------|-------------------|
| ME | Mechanical Engineering | 12 | 3 | 3 |
| ME | Computer Engineering | 12 | Nil | Nil |

| | | | | |
|---------------------------|---------------------------|-----|----|----|
| BE | E &TC Engineering | 60 | 4 | 4 |
| BE | Computer Engineering | 120 | 76 | 76 |
| BE | Civil Engineering | 120 | 35 | 35 |
| BE | Electrical Engineering | 60 | 51 | 51 |
| BE | Mechanical Engineering | 240 | 56 | 56 |
| View File | | | | |

2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2019 | 578 | 3 | 70 | 7 | 7 |

2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 75 | 62 | 11 | 5 | Null | 11 |

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Student mentoring is an immersive system for students to discuss common student problems ranging from anxiety, tension, anxiety, home sickness, and a number of other academic concerns. It is a method of establishing relationships between teachers and students that aims to grow students in a systematic way. Mentoring helps to carve out the beliefs and values of a person in a constructive way. In student growth, there are many advantages of mentorship that include communication, interpersonal relationships, and student encouragement for extracurricular activities. This, with the aid of the Student Council, ensures the growth of students in academic, co-curricular and extra-curricular activities. The Institute has a mentoring system where about twenty students have one instructor mentor. The Mentor supports the head of the department in the smooth running of mentoring by all teachers at department level. The Departmental Mentor coordinator distributes the hard copy to the department mentors in the appropriate formats. After Mentor-mentee meeting, the mentors come to know various concerns, worries, grievances of mentee etc. Based on that, in the appropriate areas/issues where he/she requires mentoring, the student is advised. He/she is sent to the Head of the department depending on the severity of mentee issues. Mentoring was undertaken online during the pandemic. The timely and comprehensive introduction of mentoring promotes positive relationships between students, parents and teachers and leads to less feedback from students. The Institutes mentoring activity assists students in their overall holistic growth. Individuals should explore alternative, draw on individual strengths, and learn new skills.

| | | |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|

578

70

8:25

2.4 – Teacher Profile and Quality**2.4.1 – Number of full time teachers appointed during the year**

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 75 | 45 | 30 | 30 | 2 |

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

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---------------|---|---------------------|--|
| 2020 | Prof. Kavita shrivastava | Assistant Professor | Best performer of the year |
| 2020 | Prof. Aprajita Kumari | Assistant Professor | Best Academic Performer |
| 2020 | Prof.Zarina Shaikh | Assistant Professor | Best Academic Performer |
| 2020 | Prof. Chetana Baviskar | Assistant Professor | Best All Rounder Faculty |
| 2020 | Prof. Chetana Baviskar | Assistant Professor | Best Academic Performer |
| 2020 | Prof.Deepak Malgar | Assistant Professor | Best Academic Performer |
| 2020 | Prof.Reshma Patil | Assistant Professor | Best All Rounder Faculty |
| 2020 | Prof.Rachana Vaidya | Assistant Professor | Best Academic Performer |
| 2020 | Prof. Ganesh Shitole | Assistant Professor | Best Academic Performer |
| 2020 | Prof. Rajasree Saha | Assistant Professor | Best All Rounder Faculty |

[View File](#)**2.5 – Evaluation Process and Reforms****2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year**

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|----------------|----------------|----------------|--|---|
| BE | 632537210 | 8 | 05/06/2020 | 11/11/2020 |
| BE | 632529310 | 8 | 05/06/2020 | 11/11/2020 |
| BE | 632519110 | 8 | 05/06/2020 | 11/11/2020 |
| ME | 632561220 | 4 | 05/06/2020 | 10/11/2020 |
| BE | 632561210 | 8 | 05/06/2020 | 11/11/2020 |

| | | | | |
|---------------------------|-----------|---|------------|------------|
| ME | 632524520 | 4 | 05/06/2020 | 10/11/2020 |
| BE | 632524510 | 8 | 05/06/2020 | 11/11/2020 |
| View File | | | | |

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

Institute's primary focus is on strengthening teaching learning process through rigorous assessment and evaluation. Various evaluation reforms initiated by the SPPU University are adopted by the Institution. As per the requirement of the University, the Institution has deputed approved faculty at the post of College Examination Officer (CEO) for better coordination among the Institution and the University exams. Institute has consistent practice to conduct class tests, assignments, tutorials, quizzes which are part of formative assessment. Retests are conducted for performance improvement and confidence building, to give an opportunity to non performing students. Term work marks are allotted by maintaining Continuous Assessment Sheet (CAS) by each teacher to evaluate performance of students during practical sessions. Project progress is monitored periodically in both the semesters by departmental Project coordinator specially constituted for this purpose. Mock practical examinations are conducted to give beforehand experience of university practical examination to students. Makeup classes are introduced for students who could not attain the required attendance for medical or other valid grounds, in view of bringing these students academically at same level as that of regular students. Remedial classes are taken for academically weaker students at the end of each term.

Internal assessment is based on two unit tests and four assignments and attendance. Various student centric activities such as seminars, presentation and demonstrations are applied for evaluation of student.

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

As Institute is affiliated by SPPU, it follows academic calendar of SPPU. Before commencement of each semester institute prepares its own academic calendar according to university academic calendar and based on Institute's academic calendar, department prepares its academic calendar showcasing events planned by individual department. It has a standard procedure to plan and develop curricular and co-curricular activities. Dates proposed by university for commencement and conclusion of semester, in semester, end semester, online examination are reflected in institute's calendar and strictly followed. University schedules TW/ Practical /Oral examinations and appoints external examiner. Academic Committee and Department Academic Coordinator discuss and plan various academic, co-curricular, sports, cultural activities and social activities in accordance with university calendar. All these activities are included in academic calendar of institute. Technical events like expert lectures and FDP, cultural activities like Shiv jayanti, sport events like EFFORTS are planned before start of term. All departments prepare their academic calendar in accordance with Institute academic calendar. Various activities such as industrial visit, expert lecture, seminars/ workshops/ conferences etc are included in department academic calendar. Teaching plan is prepared by each faculty according to the academic calendar of institute. Academic Committee has standard procedure of monitoring that ensures smooth conduction of lectures and practical sessions. Cumulative attendance and Defaulter student lists are displayed every month as per the procedure. CAS is weekly maintained by individual subject teacher as per the teaching plan of practical sessions. Every department conducts Mock practical examinations, project progress review and seminar presentations as per standard procedure set by each department according to academic calendar of department.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.alardacem.com/NAAC/PO_PEO_CO_All-dept.pdf

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|--------------------------|---|---|-----------------|
| 632529310 | BE | Electrical engineering | 45 | 44 | 97.77 |
| 632537210 | BE | E &TC Engineering | 1 | 1 | 100 |
| 632519110 | BE | Civil Engineering | 46 | 29 | 63 |
| 632561210 | BE | Mechanical Engineering | 67 | 63 | 94.02 |
| 632524510 | BE | Computer Engineering | 15 | 15 | 100 |

[View File](#)

2.7 – Student Satisfaction Survey

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

http://www.alardacem.com/NAAC/SSS_2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|-----------------------|----------|--|------------------------|---------------------------------|
| Major Projects | 180 | NITHT TALEGAON | 0.04 | 0.04 |
| Major Projects | 180 | SHREEJI AVENUE, PROJECT BY MADUR ENTERPRISES | 0.05 | 0.05 |
| Major Projects | 180 | A.J Construction | 0.04 | 0.04 |
| Major Projects | 180 | Alard Industry | 0.05 | 0.05 |

[View File](#)

3.2 – Innovation Ecosystem

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

| Title of workshop/seminar | Name of the Dept. | Date |
|---------------------------|-------------------|------------|
| National Seminar on | ACEM | 13/02/2020 |

| | | |
|---|------------------------|------------|
| techno Science- Changing paradigm of Energy technology through Innovation | | |
| Workshop on Block chain Technology | Computer Engineering | 30/08/2019 |
| Workshop on Industry 4.0 | Mechanical Engineering | 11/03/2020 |
| Workshop on Latest Building Material Products by Ultratech | Civil Engineering | 26/08/2019 |
| PLC Workshop | Electrical Engineering | 04/09/2019 |
| Career Guidance Program for Training Placement by IIHT . | Computer Engineering | 18/01/2020 |
| Smart India Hackathon 2020 | Computer Engineering | 18/01/2020 |
| Five days Workshop on Python | Computer Engineering | 10/03/2020 |
| Seminar on GDT | Mechanical Engineering | 14/01/2020 |
| Workshop on Artificial Neural Network and Application in Civil Engineering. | Civil Engineering | 14/01/2020 |
| AMCA Workshop | Electrical Engineering | 27/09/2019 |
| Guest Lecture on Information about Abroad Studies | Computer Engineering | 22/02/2020 |
| Faculty Development Program on CO-PO Attainment. | Computer Engineering | 26/12/2019 |
| i-2-e cluster level Competition at State level by Savitribai Phule Pune University on | Computer Engineering | 10/10/2019 |
| Seminar on CADD Opportunities in Civil Industries | Civil Engineering | 08/08/2019 |
| Five days workshop on Aurdino | Electrical Engineering | 11/11/2019 |
| Guest lecture for PSOC | Electrical Engineering | 12/09/2019 |
| Guest Lecture on Parallel Computing for BE Computer Engineering Students | Computer Engineering | 26/07/2019 |
| Guest Lecture on Data Structure and Algorithms for SE Students | Computer Engineering | 17/07/2019 |
| CAD/CAM/CAE Awareness by Apollo Institute | Mechanical Engineering | 31/07/2019 |
| CAD/CAM Scenario and | Mechanical Engineering | 02/08/2019 |

| | | |
|---|----------------------|------------|
| Introduction to CATIA Ansys by Global Engineering Solutions | | |
| Guest Lecture on Machine Learning | Computer Engineering | 29/02/2020 |
| Career Guidance Program for Training Placement . | Computer Engineering | 09/01/2020 |
| Program on Developing Soft skills and Personality by T P Cell | T P cell | 17/09/2019 |

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

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|--|--|--|---------------|-----------|
| MULBOTICS | Ulka Ghosalkar, Shweta Gaware, Shraddha Panchal and Prof. Chetana Baviskar | Ministry of Commerce Industry Department for Promotion of Industry Internal Trade Copyright Office | 04/02/2020 | Copyright |
| Floodalert System using IOTquot | Prajakta Ingale, Mayuri Mohod, Pallavi Wable and Prof. Zarina Shaikh | Ministry of Commerce Industry Department for Promotion of Industry Internal Trade Copyright Office | 04/02/2020 | Copyright |
| Transaction Theft Prevention using Face Detection and Shuffled Keyboard using Machine Learning | Namita Velgekar, Ranjana Tondare Soumya Jobali, | Ministry of Commerce Industry Department for Promotion of Industry Internal Trade Copyright Office | 04/02/2020 | Copyright |

[View File](#)

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

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start- up | Date of Commencement |
|----------------------------|----------------------------|--------------|-------------------------|------------------------|-------------------------|
| Incubation Center, ACEM | Incubation Center, ACEM | ACEM | Skywings technology | software, h ardware | 03/06/2019 |

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| | | |
|-------|----------|---------------|
| State | National | International |
|-------|----------|---------------|

| | | |
|---|---|---|
| 0 | 0 | 0 |
|---|---|---|

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

| Name of the Department | Number of PhD's Awarded |
|------------------------|-------------------------|
| 0 | Nill |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---------------|------------------------|-----------------------|--------------------------------|
| National | Computer Engineering | 5 | Nill |
| International | Computer Engineering | 9 | 5.81 |
| National | Mechanical Engineering | 12 | Nill |
| International | Mechanical Engineering | 4 | 5.54 |
| National | Civil Engineering | 10 | Nill |
| International | Civil Engineering | 7 | Nill |
| National | Electrical Engineering | 9 | Nill |

[View File](#)

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

| Department | Number of Publication |
|------------------------|-----------------------|
| Civil Engineering | 17 |
| Mechanical Engineering | 16 |
| Electrical Engineering | 9 |
| Computer Engineering | 14 |

[View File](#)

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|---|-------------------------|---|---------------------|----------------|---|---|
| Design Fabrication of Double Sided Linear Induction Motor | Prof. Aprajita K. | STM | 2020 | Nill | ACEM | Nill |
| Cellular Lightweight Concrete Bricks Using | Prof. Harsha Talodhikar | International Journal Of Advance Scientific | 2019 | Nill | ACEM | Nill |

| | | | | | | |
|---|--------------------------|---|------|------|------|------|
| Foaming Agent | | Research and Engineering Trends | | | | |
| Design of Accumulator Unit using SPST | Ms. Deepali P. Sukhdeve | Techno-Science | 2020 | Nill | ACEM | Nill |
| Tubular Linaer Induction Motors | Prof. Kavita Shrivastava | STM | 2020 | Nill | ACEM | Nill |
| Transact ion fraud detection using face authentication and invisible virtual Keyboard | Prof.Zarina Shaikh | International Journal of Research and analytical reviews | 2020 | Nill | ACEM | Nill |
| Mulbotics :a multifunctional robot for military services | Prof.Chetana Baviskar | International journal of research and analytical review | 2020 | Nill | ACEM | Nill |
| COMPARISON OF CONVENTIONAL HIGH RISE BUILDING WITH SHEAR WALL BUILDING | Prof.Ganesh Shitole | International Journal Of Advance Scientific Research and Engineering Trends | 2019 | Nill | ACEM | Nill |
| Analysis of Turbocharger and its Optimization for Heavy duty CNG Engine | Dr. K. D. Sapate | IJSART | 2020 | Nill | ACEM | Nill |
| A review on :Desgin and Modelling of Compressor Driven Vehicle | Prof.Reshma Patil | IJSRD | 2020 | Nill | ACEM | Nill |
| Review on :Design and Develo | Prof.Ruchita Goje | Techno-Science | 2020 | Nill | ACEM | Nill |

| | | | | | | |
|---|--|--|--|--|--|--|
| ment of Electric D ifferential Locking System | | | | | | |
| View File | | | | | | |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|--|-----------------|---------------------------|---------------------|---------|---|---|
| Study of Effect of Constrained Layer Damping In Vibration Characteristics of Automobile Panels | Dr.K. D. Sapate | Conference MECHPGCON2 019 | 2019 | Nil | Nil | ACEM |
| View File | | | | | | |

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

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 7 | 14 | Nil | 188 |
| Presented papers | 1 | 37 | Nil | Nil |
| Resource persons | Nil | 1 | Nil | Nil |
| View File | | | | |

3.4 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|--|--|--|
| Free Mask Distribution among people | ACEM | 8 | 500 |
| Family health care program | Health care Express Clinic | 2 | 50 |
| Demonstration of Fire extinguisher for safety purpose | ACEM | 2 | 50 |
| Peace and happiness program | Youth peace foundation | 1 | 60 |
| Blood Donation Camp | Morya Blood Bank | 4 | 23 |

| | | | |
|---------------------------------|-----------------------|----|----|
| Diabetes awareness / Power walk | ACEM | 2 | 15 |
| International Yoga Day | ACEM | 2 | 35 |
| Swaccha Bharat Abhiyan | ACEM | 2 | 61 |
| International Womens Day | Mai Bhavan- NGO, Pune | 2 | 22 |
| Road safety awareness program | ACEM | 10 | 70 |
| View File | | | |

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

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---------------------------|-------------------|------------------|------------------------------|
| Blood Donation | Appreciation | Morya Blood Bank | 13 |
| View File | | | |

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

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|------------------------|---|---|--|--|
| Extension activity | ACEM | Free Mask Distribution among people | 8 | 500 |
| Awareness program | Health care Express Clinic | Family health care program | 2 | 50 |
| Awareness program | ACEM | Demonstration of Fire extenguisher for safety purpose | 2 | 50 |
| Awareness program | Youth peace foundation | Peace and happiness program | 1 | 60 |
| Extension activity | Morya Blood Bank | Blood Donation Camp | 4 | 23 |
| Awareness program | ACEM | Diabetes awareness / Power walk | 2 | 15 |
| Awareness program | ACEM | International Yoga Day | 2 | 35 |
| Swachha Bharat Abhiyan | ACEM | Swaccha Bharat Abhiyan | 2 | 61 |
| Women Empowerment | Mai Bhavan- NGO, Pune | International Womens Day | 2 | 22 |
| Awareness | ACEM | Road safety | 10 | 70 |

| | | | |
|---------------------------|--|-------------------|--|
| program | | awareness program | |
| View File | | | |

3.5 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
|---|---------------------------|---------------------------------|----------|
| Faculty Exchange | Prof.Swapnil Wagh | AIMS | 30 |
| Faculty Exchange | Prof.Swapnil Wagh | ACBS | 30 |
| Faculty Exchange | Prof.Trupti Tekale | AIMS | 30 |
| Faculty Exchange | Prof.Trupti Tekale | ACBS | 30 |
| Faculty Exchange | Prof.Swapnil Wagh | ACBS | 30 |
| Faculty Exchange | Prof.Yogita Bhatanagar | AIMS | 30 |
| Faculty Exchange | Prof.Yogita Bhatanagar | ACBS | 30 |
| Student Exchange (Internship at Salasar Autocrafts Pvt Ltd.) | TE Mechanical 01 Students | Salasar Autocrafts Pvt Ltd. | 120 |
| Student Exchange (Internship at Samruddhi Engineering, Bhosari) | BE Mechanical 01 Students | Samruddhi Engineering, Bhosari) | 30 |
| Student Exchange (Internship at IMTMA Technology Centre) | BE Mechanical 4 Students | IMTMA Technology Centre | 12 |

[View File](#)

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

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|---|--------------------------------|---|---------------|-------------|-------------|
| Internship | Industry Institute Interaction | Salasar Autocrafts Pvt Ltd. | 13/01/2020 | 13/04/2020 | 1 |
| Training, workshops and Technical Support | MOU | Mindlabz Software Solutions Pvt.Ltd, Akurdi Pune | 13/11/2019 | 13/11/2020 | 75 |
| Training, workshops | MOU | Elite Softwares | 21/10/2019 | 21/10/2020 | 250 |

| | | | | | |
|--------------------------------------|--------------------------------|---|------------|------------|----|
| and Technical Support | | | | | |
| TP MOU | MOU | IIHT | 18/01/2020 | 31/12/2020 | 23 |
| Industrial Visit | Industrial Visit | I-Medita, Pune | 15/10/2019 | 15/10/2019 | 15 |
| Internship | Industry Institute Interaction | Wisdom Sprouts | 15/01/2020 | 22/08/2020 | 1 |
| Seminar/Training Session | MOU | CADCAMGURU Solutions Pvt.Ltd | 07/01/2020 | 31/12/2020 | 75 |
| Industrial Visits and Guest Lectures | MOU | DesignTech CAD Academy | 04/05/2019 | 04/05/2020 | 73 |
| Industrial Visit | Industrial Visit | Industrial Visit of Om Sai roofing and Steel Traders, Marunji | 18/09/2019 | 18/09/2019 | 19 |
| Industrial Visit | Industrial Visit | Industrial Visit of Central Water and Power Research Station, Khadakwasla | 24/08/2019 | 24/08/2019 | 23 |
| View File | | | | | |

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

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|--|--------------------|---|---|
| Elite Softwares | 21/10/2019 | Training, workshops and Technical Support | 15 |
| Mindlabz Software Solutions Pvt.Ltd, Akurdi Pune | 13/11/2019 | Training, workshops and Technical Support | 75 |
| CADCAMGURU Solutions Pvt Ltd | 07/01/2020 | Seminar/Training Sessions | 75 |
| Aryavidant Promoters and Builders | 04/03/2020 | Industrial Visit | 20 |
| Gold Sunrise Infrastructure | 09/09/2019 | Industrial Visit | 16 |
| Saif Construction | 07/08/2019 | Industrial Visit | 20 |

| | | | |
|------------------------------------|------------|------------------|----|
| Sanjay Constuction | 22/08/2019 | Industrial Visit | 15 |
| Shree Nilkantheshwar Infra Pvt.Ltd | 17/09/2019 | Industrial Visit | 25 |
| S.N.K ASSOCIATES | 09/07/2019 | Workshop | 54 |
| SKYWINGS | 22/09/2019 | Workshop | 56 |
| View File | | | |

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

| | |
|--|--|
| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
| 40 | 17.94 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|-----------------------------------|-------------------------|
| Others | Newly Added |
| Classrooms with Wi-Fi OR LAN | Existing |
| Seminar halls with ICT facilities | Existing |
| Classrooms with LCD facilities | Existing |
| Seminar Halls | Existing |
| Laboratories | Existing |
| Class rooms | Existing |
| Campus Area | Existing |
| View File | |

4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---------------------------|--|----------------------|--------------------|
| Autolib NG | Fully | NG (New Generation) | 2010 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|----------------------|----------|---------|-------------|-------|-------|---------|
| | | | | | | |
| Text Books | 10713 | 3518621 | Nill | Nill | 10713 | 3518621 |
| e-Books | 351 | Nill | 25 | Nill | 376 | Nill |
| Others(s pecify) | 46 | Nill | 5 | Nill | 51 | Nill |
| e-Journals | 361 | 13570 | Nill | Nill | 361 | 13570 |
| Digital Database | 1 | 13570 | Nill | 13570 | 1 | 27140 |

| | | | | | | |
|--------------------|-----|-------|-----|-------|-----|-------|
| CD & Video | 528 | Nil | Nil | Nil | 528 | Nil |
| Library Automation | 1 | 55000 | Nil | 21000 | 1 | 76000 |
| Others (specify) | 258 | Nil | 16 | Nil | 274 | Nil |

[View File](#)

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

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|--------------------------|-------------------------|---------------------------------------|-----------------------------|
| Prof. Harsha Talodhikar | Civil Engineering | Youtube Channel | 18/08/2020 |
| All Department Faculties | All academic activities | MS Teams, ZOOM, | 16/03/2020 |

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|---------------------------------|--------|
| Existing | 240 | 8 | 50 | 20 | 40 | 7 | 193 | 50 | 0 |
| Added | 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Total | 260 | 9 | 50 | 20 | 40 | 7 | 193 | 50 | 16 |

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

50 MBPS/ GBPS

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
|--|---|
| Microsoft Teams | https://drive.google.com/file/d/1-d7wD5nE2-7NT3gp5kPyhvza0Jyftv5C/view?usp=sharing |
| Youtube Channel | https://www.youtube.com/watch?v=WMik550pk04 |

4.4 – Maintenance of Campus Infrastructure

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

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| | | | |

40

38.5

25

19.35

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

The institute adopts standard procedures for maintaining and utilizing the physical, academic and support facilities such as laboratory, library, sport complex, computers, classroom etc. Procedure for maintaining equipment and furniture : A dead stock register is maintained for all the equipments. Annual maintenance contract is given for maintenance of computers, Printers, Photocopy Machine, Cameras, Water coolers/filters, gardening, cleaning etc. A vendor is fixed for maintenance of books in library. The Lab In charge or the concerned teacher and Lab assistant maintain the record of equipments and any other material in lab. In case of any breakdown/repair the Lab In charge or Concerned Staff Contact the vendor from whom the equipment is purchased and get the equipment checked for the fault. After inspection the Lab In charge then take the report from the maintenance person and forward submission to Principal for approval. In case of major repair and maintenance approval for the expenses is taken from the Management. There are college level committees that look after the various aspects of the utilization and maintenance of the physical, academic and support facilities. Laboratory Maintenance: In case maintenance of equipment arises, the concerned laboratory In charge issues a maintenance request to Management through the Department head and Principal. Based on the request, the equipment maintenance work is assigned to third party equipment experts. These experts carry out the repair/maintenance of the equipment and all such records are maintained in the history card of the equipment. Stock register is maintained and updated regularly for each lab. Stock verification and inspection is carried out by inter department at the end of each semester. Library Maintenance: The library is continuously updated in terms of latest books, journals and e contents by the Library In charge. The book list requirement is received from the concerned department as per their curriculum and as per the variation of intake. The students have an Identity card to access the library. If student fails to return the book in time, fine has to be paid by the student. All books borrowing and lending are monitored by fully automated library software. Every student can access online journals and magazines through Digital library. Periodically, conditions of all the library books are monitored. Maintenance of Computer Laboratories: The computer laboratories are allotted to the students as per their curriculum. As per the timetable, the computer labs are allocated to the students for particular subject. The maintenance of computer laboratories are taken care by laboratory in charge and the system administrators take care of the repairs and maintenance of all computers .All outdated and under configured computers are disposed.

<http://www.alardacem.com/NAAC/Under-IQAC-House-Keeping-and-Maintainance.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--------------------------|--------------------|------------------|
| Financial Support from institution | Institute Scholarship | 7 | 171000 |
| Financial Support from Other Sources | | | |
| a) National | FREESHIP and SCHOLARSHIP | 710 | 8457248 |

| | | | |
|---------------------------|-----|-----|-----|
| b)International | Nil | Nil | Nil |
| View File | | | |

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

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|---|
| Bridge Courses | 14/10/2019 | 56 | Industrial Visit of CCA and HP subject at DesignTech Academy |
| Bridge Courses | 12/10/2019 | 20 | Industrial Visit at ARAI Chakan, Kothrud of Final Year Mechanical Department |
| Bridge courses | 10/10/2019 | 26 | i-2-e cluster level Competition at State level by Savitribai Phule Pune University on |
| Personal Counselling and Mentoring | 15/06/2019 | 107 | All Faculty members of Computer Engineering Dept. ACEM, Pune |
| Remedial Coaching | 18/06/2019 | 146 | Electrical Department |
| Soft skill development | 18/06/2019 | 51 | Included in University Syllabus |
| International Yoga Day | 21/06/2019 | 35 | ACEM |
| Bridge courses | 30/08/2019 | 41 | Workshop on Block chain Technology |
| Bridge Courses | 30/01/2020 | 30 | Industrial visit of Design of Hydraulic Structures at Sardar Sarovar Dam, Gujarat |
| Bridge Courses(Quiz/Assignments) | 02/05/2020 | 550 | Covid-19 Awareness E-Quiz |
| View File | | | |

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

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|------|--------------------|--|--|--|---------------------------|
| 2020 | Career | 30 | 3 | Nil | 3 |

| | | | | | |
|---------------------------|---|----|----|---|----|
| | Counselling Guidance Program for Training Placement by IIHT . | | | | |
| 2019 | Competitive Examination | 45 | 21 | 6 | 15 |
| View File | | | | | |

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

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|-------------------------------|---------------------------------|---------------------------|-------------------------------|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| VARROC ENGINEERING | 5 | 3 | NetAmbit | 1 | 1 |
| View File | | | | | |

5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Department graduated from | Name of institution joined | Name of programme admitted to |
|---------------------------|--|--------------------------|---------------------------|---|-------------------------------|
| 2019 | 1 | BE | Electrical Engineering | UK | MS |
| 2019 | 1 | BE | Computer Engineering | Webster University | MS |
| 2019 | 1 | BE | Mechanical Engineering | Alard College of Engineering and Management, Pune | ME |
| View File | | | | | |

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|---------------------------|---|
| GATE | 6 |
| GRE | 1 |
| View File | |

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

| Activity | Level | Number of Participants |
|---------------------------|--|------------------------|
| Kabaddi(Boys) | Effort 2020 (Inter-Collegiate Competition) | 60 |
| Volleyball (Boys) | Effort 2020 (Inter-Collegiate Competition) | 80 |
| Cricket (Boys) | Effort 2020 (Inter-Collegiate Competition) | 132 |
| Cricket (Boys) | Inter Department Competition | 42 |
| Kabaddi(Boys) | State Level Morya Youth Festival | 8 |
| Volley Ball(Boys) | State Level Morya Youth Festival | 11 |
| Carrom (Boys) | Inter Department Competition | 18 |
| Carrom (Girls) | Inter Department Competition | 22 |
| Chess (Boys) | Inter Department Competition | 10 |
| Badminton(Boys)) | Inter Department Competition | 15 |
| View File | | |

5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---------------------------|-------------------------|------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| 2019 | 2nd Rank Shooting | National | 1 | Nil | 43949326 2493 | Adesh Chamalwar |
| View File | | | | | | |

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

The aim of forming Student council is to involve the students in academic, co curricular and extracurricular activities. Through these student Council members learn to plan, organize, analysis, estimate and execute which help in their overall development. Student council is elected every year having the representatives from every branch of the Institution. General Secretary and Joint General Secretary are selected by the respective department. The Student council is governed by Principal of the college and a committee of faculty members. The Student council is further subdivided into committees such as Student Grievance, Anti Ragging, Cultural, Sports and Technical events. Student Grievance: This committee addresses student grievances and maintains harmony and discipline among the students. Anti Ragging: This committee ensures zero ragging incidents in the Institute and also spreads awareness among students against any type of ragging activities. Cultural: This committee coordinates various cultural activities and events throughout the year. Sport: This Committee organizes EFFORTS which include games like cricket, volleyball and kabbadi at Inter college level. It also organizes interdepartmental sports

event Extension Activities: Any education is incomplete without social awareness. Student council is active in carrying out different extension activities such as Blood donation Camp, Swachha Bharat Abhiyan, Yoga day, Tree plantation etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institute established Alumni association in the academic year 2018. Previously At college level Alumni Meet was informally conducted. After registration of Alumni Association, conducted two alumni Meets in academic year 2018-19 and 2019-20. The main objective of association is to promote mutually beneficial interaction between Alumni and the Institute and to encourage the Alumni to take interest in the process of development of Institute. Alumni meet also help to arrange and support in placement activities for the students of Institute. It also helps to mentor the students for higher education and encourage them for personal development. Other than that, Students and Institute both are benefited in student placement, training, expert lectures, career guidance sessions, Industrial visits and mentoring. The alumni of Institute is guiding and nurturing our students to become engineering professionals.

5.4.2 – No. of enrolled Alumni:

174

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

3990

5.4.4 – Meetings/activities organized by Alumni Association :

One Alumni Meeting is organized every year from 2018. Alumni Meet 2019 was organised on 08.02.2020 at 2:00 pm at Alard college of Engineering and Management, Pune. Principal along with Head of Departments and Governing body members of Alard college of Engineering and Management, Pune and Alumni committee members were present. Total participation for the event was 50 including Alumni, faculties and Student council members. The event started with an open house where alumni interacted with the College faculties and they also visited the department which was along with tea and snacks. A cultural program was presented by students of the college. There was an open session where the alumni participated with full enthusiasm to relive the old memories for the time spent in the college. The Alumni Meet was smoothly organized as per the schedule and concluded with dinner.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute continued with decentralization practices and participative management a various level. The governance comprises of Governing Body, Local Management Committee (LMC), Department Advisory Committee (DAC), development committee and Internal Quality Assurance Cell (IQAC). They all play significant role in the evolutionary reforms of the Institute. The Institute believes in promoting a culture of handing over of powers through strategic policies. The Principal of Institute is assisted by Academic Dean, HODs, Administrative Head and coordinators of various cells and committees in decision making process of the Institute. IQAC has a well developed process to ensure quality of academic

and administrative activities. Institute follows recruitment policies and service conditions as per the rules and regulations of regulatory authorities. Quality Policies are framed by the needs of the corporate world, society and stakeholders. Institute has a perspective plan developed by Principal and HOD's with suggestions of IQAC, DAB under the guidance of LMC and GB. Student's surveys and feedback from all the stakeholders plays vital role in framing and revising policies. Internal Quality Assurance cell (IQAC) formulates perspective plan taking into consideration inputs from all stake holders. This plan is presented and deliberated under the guidance of Principal to get consent. This plan is forwarded to the governing body for approval.

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

No

6.2 – Strategy Development and Deployment

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

| Strategy Type | Details |
|--------------------------------------|---|
| Admission of Students | <p>Admissions are done through Centralized Admission Process (CAP) rounds as per the schedule given by DTE. To improve admissions, following activities are being done</p> <ul style="list-style-type: none"> • Banners are placed a prominent locations around Pune • Advertisements in leading newspapers . • College magazine is also prepared. • Institute brochure and newsletters are shared with parents and students during admission counselling sessions and expert lectures are arranged to guide students and parents to resolve queries related to engineering discipline. • Institution participates in education expo exhibitions to create awareness among stakeholders regarding organizational policies. |
| Industry Interaction / Collaboration | <ol style="list-style-type: none"> 1. Every staff member tries to liaison with industry through which students are facilitated for internship/placement/project guidance /guest lectures/ industrial visit etc. 2. At the start of semester, every subject teacher has to plan industrial visit and expert talk by industry expert by providing all the details to the department such as industry details, planned date of conduction, budget required for the same, etc 3. Value added courses for the student in association with industry is another major aspect where institute is focusing. 4. At the end of semester, standard formats are made available to the department to compile all the activities conducted in association with industry and summary sheet of the |

same is also prepared and communicated to all the departments for analysis and future plans.

Human Resource Management

1. The Institution has well defined HR policy. 2. Key points of human resource management of the college are as follows Recruitment through the Local Staff Section Committee Staff requirements are obtained from all Heads of Department and reviewed by the Principal Approval is taken from the management. Advertisement in leading newspapers and Institute website Conducting interviews by Local Staff Section Committee . 3. Annual appraisal of all faculties done by HOD and reviewed by the Principal Promotions of the faculty decided through the Staff Selection Committee. Annual increment decide by management based on annual appraisals. 4. The benefits such as Provident fund, Group Insurance, leaves (casual/medical/maternity/study/earned) and vacations are provided to staff as per rules.

Library, ICT and Physical Infrastructure / Instrumentation

1. Central Library is using the AutoLib NG Library Software for all day to day library transactions. 2. Bar code based system is used for issue / return of books. 3. University question papers ,university syllabus available in library. 4. Subscription of DELNET. 5.NPTEL video lectures 6. Digital library and wifi system is available in library for utilization of E-resources. 7. NPTEL Local chapter is coordinated by Library. ICT: 1. Internet leased line connection - connectivity speed improved and upgraded to 50 MBPS 2. Student can assess all teaching material like hand written notes, PPTs, Question Papers using Google apps 3. Google classroom helps faculties to create classes, distribute assignments, communicate to students 4. Each department having ICT classroom is equipped with Projector and speakers for playing NPTEL Videos . Physical Infrastructure: 1.Incubation center development 2.Campus security using surveillance cameras 3.Examination section 4. Separate canteen is made available. 5. Development of New laboratories as per requirement

Research and Development

Institute is having Incubation Centre with the following objectives Faculties are encouraged to publish research

papers in National/International Journal and conferences. Facility is provided for faculties and students to do their research work. 1. To create awareness for Research and Development among faculty and students. 2. To create interest and motivate faculty to take up research projects.

Examination and Evaluation

: Examinations are conducted according to rules and regulations of Savitribai Phule Pune University (SPPU). Continuous assessment process measures students performance in assignments, unit test, online tests, seminar and projects for outcome based education. For theory courses, the assessment is carried out by Online Examination (for FE / SE) InSem Examination (for TE / BE) as an internal examination of 50 and 30 marks respectively. The End Semester Examination of 50 (for FE / SE) and 70 (for TE / BE) marks carries out the final assessment of each course. Since the InSem exam for FE /SE is online, the assessment is computer based, whereas the assessment of TE /BE InSem exam is carried out at CAP center at college level. The assessment of End Semester Examination is carried out at CAP center organized by the affiliating University for FE to BE.

Teaching and Learning

The Institution ensures effectiveness of the teaching learning process by preparation of Academic calendar well in advance before commencement of the semester and adherence to it. Academic coordinator of the department monitors the teaching learning process, and prepares a report which is periodically shared with the Institute Academic Coordinator. During COVID 19 Pandemic Situation, all academic work done in online mode. The academic coordinator monitors the following teaching learning activities: 1. Conduct of lectures and practical as per the time table 2. Preparation of the list of defaulters whose attendance is less than 75. 3. Slow students and Fast students are identified by different exercises and resources take vital activities to engage them. 3. Conduct of remedial classes for the defaulters. 4. Coverage of the curriculum as per the syllabus. 5. Continuous assessment of the practicals. 6. Conduct of

| | |
|------------------------|---|
| | <p>project and seminar presentations</p> <p>7. Conduct of the unit tests as per the plan</p> <p>8. Assignments as per the plan</p> <p>Activities of the Academic monitoring are periodically reviewed.</p> |
| Curriculum Development | <p>The Institute follows the curriculum approved by Savitribai Phule Pune University (SPPU). Institute has its own stakeholder's feedback policy . The purpose of this Policy is to provide a framework for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute's curriculum. All the feedbacks received from various stakeholders are summarized and analysed. Faculty participates in Curriculum development and implementation programs organized by University. Suggestions given by faculty members are incorporated in Curriculum time to time.</p> |

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

| E-governance area | Details |
|-------------------------------|--|
| Planning and Development | 1) NDL SOFTWARE, 2) (DELNET-Developing Library Network) , 3)Autolib library automation software. |
| Administration | 1. CCTV Systems 2. Bio Metric Attendance System. 3. College Website 4. Internal Landline System |
| Finance and Accounts | 1. Tally software 2. Following tasks are achieved using Microsoft excel: a. Preparation of salary bills b. Preparation and maintenance of student's fees record |
| Student Admission and Support | <ul style="list-style-type: none"> • Website Hosting • Library automation • Management of books • Issue /return work • Library books acquisition. |
| Examination | <ul style="list-style-type: none"> • Information regarding examination matters such as weblinks and important dates of Exam form application , photocopy applications, results are published on University website and also communicated to students through Central as well as departmental notice boards or Google Classroom etc. |

6.3 – Faculty Empowerment Strategies

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

| Year | Name of Teacher | Name of conference/ workshop attended | Name of the professional body for | Amount of support |
|------|-----------------|---------------------------------------|-----------------------------------|-------------------|
|------|-----------------|---------------------------------------|-----------------------------------|-------------------|

| | | | | |
|---------------------------|---|---|----------------------------------|-------|
| | | for which financial support provided | which membership fee is provided | |
| 2019 | Prof.Shweta Khandelwal | Industrial Visit at Load Dispatch Airoli | NIL | 4720 |
| 2019 | Prof.Ganesh Shitole/Prof.Harsha Talodhikar/Prof.Rajasree Saha/Prof.Aparna Ghadge alongwith Students | Industrial Visit at Sardar Sarovar Dam,Gujrat | NIL | 10000 |
| 2020 | Prof. Aprajita K | National Seminar TECHNO-SCIENCE | NIL | 290 |
| 2020 | Prof.Kavita Shrivastav | National Seminar TECHNO-SCIENCE | NIL | 290 |
| 2020 | Prof.Vishal Shinde | National Seminar TECHNO-SCIENCE | NIL | 290 |
| 2020 | Prof.Akshay Patil | National Seminar TECHNO-SCIENCE | NIL | 290 |
| 2020 | Prof.Dipak Malgar | National Seminar TECHNO-SCIENCE | NIL | 290 |
| 2020 | Prof.Vanita Agrawal | National Seminar TECHNO-SCIENCE | NIL | 290 |
| 2020 | Prof.Rachna Vaidya | National Seminar TECHNO-SCIENCE | NIL | 290 |
| 2020 | Prof.Zarina Shaikh | National Seminar TECHNO-SCIENCE | NIL | 290 |
| View File | | | | |

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|--|---|------------|------------|---|---|
| 2020 | Seminar on Teaching Learning Process | NA | 07/01/2020 | 07/01/2020 | 29 | Nil |

| | | | | | | |
|---------------------------|--|--|------------|------------|-----|-----|
| 2019 | Faculty Development Program on CO-PO Attainment | NA | 26/12/2019 | 29/12/2019 | 29 | Nil |
| 2019 | Gnomio Moodle using Virtual Cloud | NA | 20/07/2019 | 20/07/2019 | 24 | Nil |
| 2020 | Webinar Series on "Skill Development and Employability" | Webinar Series on "Skill Development and Employability" | 27/05/2020 | 29/05/2020 | 24 | 7 |
| 2020 | Seminar on GD T for Mechanical Department | NA | 14/01/2020 | 14/01/2020 | 9 | Nil |
| 2020 | Workshop on Industry 4.0 | NA | 11/03/2020 | 14/03/2020 | 9 | Nil |
| 2020 | TECHNO-SCIENCE-CHANGING PARADIGM OF ENERGY TECHNOLOGY THROUGH INNOVATION | TECHNO-SCIENCE-CHANGING PARADIGM OF ENERGY TECHNOLOGY THROUGH INNOVATION | 13/02/2020 | 14/02/2020 | 27 | 3 |
| 2020 | E-Quiz on Artificial Intelligence | NA | 19/05/2020 | 19/05/2020 | 537 | Nil |
| 2020 | E-Quiz on Covid-19 Awareness | E-Quiz on Covid-19 Awareness | 02/05/2020 | 07/05/2020 | 550 | 7 |
| View File | | | | | | |

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

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---------------------------------|------------|------------|----------|
| Webinar on Salient features of National Power | 1 | 14/05/2020 | 14/05/2020 | 1 |

| | | | | |
|--|---|------------|------------|---|
| Grid its management during Emergencies by Tata Power | | | | |
| One week FDP on QCAD by IIT Spoken Tutorial | 1 | 20/04/2020 | 24/04/2020 | 5 |
| Short Term Training Program on CAD/CAM organised by NITTR,Kolkata. | 1 | 27/04/2020 | 01/05/2020 | 6 |
| FDP ON current Trends in Industry Organised byDr.D.Y.Patil Institute of Engg. Management | 1 | 02/05/2020 | 08/05/2020 | 7 |
| One week FDP on Latex by IIT Bombay Spoken Tutorial | 1 | 13/04/2020 | 17/04/2020 | 5 |
| Three days Course on JAVA SCRIPT PYTHON through Progate | 1 | 17/04/2020 | 19/04/2020 | 3 |
| webinar on IOT through Pantech | 1 | 04/05/2020 | 04/05/2020 | 1 |
| FDP - Trends in Technological intelligence | 1 | 31/05/2020 | 01/06/2020 | 2 |
| Workshop - Online Syllabus Orientation Workshop for S.E. Civil (2019 Pat.) | 1 | 22/06/2020 | 26/06/2020 | 5 |
| One week FDP on eSim | 1 | 05/05/2020 | 10/05/2020 | 6 |
| View File | | | | |

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

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 45 | 70 | 15 | 7 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|--|---|--|
| <p>1.Financial support for publications (IEEE, Springer, ASME and Elsevier etc), conferences, FDPs and workshops.2. EPF 3.Medical leave and Earned Leave (applicable to eligible staff) 4.Maternity leave (applicable to eligible staff) 5.Appreciation on acquiring higher qualification and excellent University result of theory subject.6.Advance payment to staff member to meet their emergencies.7.Birthday celebration of staff members at department level 8.Gymnasium facility 9. Permission for Qualification upgradation</p> | <p>1.EPF 2.Medical leave and Earned Leave (applicable to eligible staff) 3.Advance payment to staff member to meet their emergencies 4.Birthday celebration of staff members at department level 5.Gymnasium facility</p> | <p>1.Payment of fees in installments is allowed to the needy students 2.Institution offers prizes to students showing remarkable performances in cocurricular and extracurricular activities</p> |

6.4 – Financial Management and Resource Mobilization

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

The institute regularly follows internal and external financial audit system for every financial year with proper procedure and management permission. The internal audit is an ongoing continuous process to verify entire Income and Expenditure of the Institute each financial year. The Accounts department looks after the internal audit to verify actual expenses are not exceeded the budgeted amount and it is presented to the certified Chartered Accountant. Internal audit for the year 2019-20 was done in March 2020 by internal auditor and no major objections were raised during the audit.

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

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|--|-------------------------------|------------------|
| Alard Charitable Trust | 14720 | Educational Tour |
| View File | | |

6.4.3 – Total corpus fund generated

306000

6.5 – Internal Quality Assurance System

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

| Audit Type | External | | Internal | |
|------------|----------|--------|----------|-----------|
| | Yes/No | Agency | Yes/No | Authority |
| | | | | |

| | | | | |
|----------------|-----|--|-----|-----------|
| Academic | Yes | External Expert from other Engineering College | Yes | IQAC ACEM |
| Administrative | Yes | External Expert from other Engineering College | Yes | IQAC ACEM |

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

Parents contribute and give their valuable suggestions on following activities
 1. Parent Teacher Meeting is carried out for assessment of result and performance of students
 2. Parents and alumni visited campus for recruitment.
 3. Parents from industrial sector supports for enhancing industry institute interaction such as Internships and MOUs.

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

1. Yoga and Meditation programme
 2. Women's day celebration
 3. Annual cultural program for faculties
 4. Blood donation camp
 5. Training of Various conferencing tools like Google Classroom, Moodle and MS Teams.

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

1. Excellence Awards for Teaching and Non-Teaching Staff
 2. Incubation Cell
 3. Project Exhibition

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|--|-------------------------|---------------|-------------|------------------------|
| 2019 | CAD/CAM/CAE Awareness by Apollo Institute | 31/07/2019 | 31/07/2019 | 31/07/2019 | 27 |
| 2019 | Seminar CADD Opportunities in civil industries | 08/08/2019 | 08/08/2019 | 08/08/2019 | 27 |
| 2019 | Industrial Visit of Hydrology Water Resources Engineering at Indian Me | 03/09/2019 | 03/09/2019 | 03/09/2019 | 18 |

| | | | | | |
|---------------------------|---|------------|------------|------------|----|
| | teorological Department, Shivaji Nager, Pune. | | | | |
| 2019 | Workshop on Block chain Technology | 30/08/2020 | 30/08/2020 | 30/08/2020 | 41 |
| 2019 | i-2-e cluster level Competition" at State level by Savitribai Phule Pune University | 10/10/2019 | 10/10/2019 | 10/10/2019 | 26 |
| 2019 | Guest Lecture on Data Structure and Algorithms for SE Students | 17/07/2019 | 17/07/2019 | 17/07/2019 | 50 |
| 2020 | Alumni Meet | 20/08/2020 | 20/08/2020 | 20/08/2020 | 30 |
| 2019 | AMCA Workshop | 27/09/2019 | 27/09/2020 | 01/10/2020 | 44 |
| 2020 | Career Guidance Program for Training Placement by IIHT | 18/01/2020 | 18/01/2020 | 18/01/2020 | 30 |
| 2019 | Smart India Hackathon 2020 | 18/01/2020 | 18/01/2020 | 18/01/2020 | 18 |
| View File | | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

| Title of the programme | Period from | Period To | Number of Participants | |
|---------------------------|-------------|------------|------------------------|------|
| | | | Female | Male |
| Poster making Competition | 12/02/2020 | 12/02/2020 | 7 | 5 |
| Women Empowerment | 13/03/2020 | 13/03/2020 | 17 | 4 |

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

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

LED Lights

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|--|--------|-------------------------|
| Physical facilities | Yes | 690 |
| Provision for lift | Yes | Nil |
| Ramp/Rails | Yes | 665 |
| Scribes for examination | No | Nil |
| Braille Software/facilities | No | Nil |
| Special skill development for differently abled students | No | Nil |
| Rest Rooms | Yes | 690 |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|--|--|------------|----------|-----------------------------------|--|--|
| 2019 | 1 | 1 | 22/06/2019 | 1095 | Tieup with Sigma Hospital | MOU is signed for Medical problems if any | 690 |
| 2019 | 1 | 1 | 05/07/2019 | 52 | Facilitation centre | Registration for Admission process | 120 |
| 2020 | 1 | 1 | 08/03/2020 | 1 | Funding to NGO | Funding to NGO on Occasion of Womens Day | 21 |
| 2019 | 1 | 1 | 19/03/2019 | 1 | Distribution of Mask among People | Free Mask Distribution Activity at Akurdi Railway Station. | 8 |
| 2020 | 1 | 1 | 19/02/2020 | 1 | Fruit Distribution | Fruit Distribution | 18 |

| | | | | | | | |
|--|--|--|--|--|--------------------|-------------------------|--|
| | | | | | on at Orphanage | on to orphans NGO | |
|--|--|--|--|--|--------------------|-------------------------|--|

[View File](#)

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

| Title | Date of publication | Follow up(max 100 words) |
|------------------------------|---------------------|--|
| Code of Conduct for Students | 18/06/2019 | <p>1. The students must follow the rules and regulations set by the Institute. 2. The students should behave, dress and project their image like dignified, respectable citizens of the Country. 3. The students must be regular and punctual in their studies. 4. The students must observe discipline. They must observe self-imposed discipline in all activities, studies as well as other ones related to their stay in the College / Hostel. 5. They should read the notices regularly put on the notice boards of college, department office regularly so as not to miss any important information. 6. Their action must reflect respect for the Faculty members and mutual respect among themselves. 7. They must observe proper silence in the classes/library and avoid making noise. They must observe timings in the Office and the Library so as to avoid unnecessary disturbance/over-crowding. 8. Without written permission of the HOD/Class Teacher, if a student remains absent for lectures or practical for more than a week, he/she will have to abide by the punishment of academic nature as decided by the authorities. 9. It is a responsibility of Student</p> |

to help in maintaining building and the campus clean and tidy. 10. The student should not participate in any political or antisocial activities. 11. The student should note that he/she is responsible for his/her conduct in the premises. 12. According to clause 9.1 of the regulations, as per the High Court decision for the university Act. 1956-regulation 26(1)G-2009, if students found guilty of Ragging, he/she will liable for punishment. 13. Students shall be liable for disciplinary action for misconduct and for violation of code of conduct.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---------------|-------------|------------------------|
| Shivaji Maharaj Jayanthi | 20/02/2020 | 20/02/2020 | 250 |
| International Yoga Day | 21/06/2019 | 21/06/2019 | 35 |
| Swami Vivekanand Jayanti | 13/01/2020 | 13/01/2020 | 22 |
| Peace and Happiness by Youth Peace Foundation | 04/09/2019 | 04/09/2019 | 60 |
| Swaccha Bharat Abhiyan | 09/08/2019 | 09/08/2019 | 61 |
| Celebration of APJ Abdul Kalam Jayanti | 15/10/2019 | 15/10/2019 | 20 |
| Blood Donation camp(Morya Blood Bank) | 18/02/2020 | 18/02/2020 | 13 |
| International Womens Day | 11/03/2020 | 11/03/2020 | 21 |
| Road safety awareness program | 14/10/2019 | 14/10/2019 | 80 |
| Free Mask Distribution among people | 19/03/2020 | 19/03/2020 | 508 |

[View File](#)

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

1. Plastic Free Campus 2. Reuse of Papers 3. Tree Plantation 4. Rainwater harvesting: Rainwater harvesting is one of the important pro-environmental initiatives. The rainwater from the paved area and roof top are collected from the rain water collection drains and the collected rainwater is used to recharge and watering plants in the campus. 5. E-waste management Marginal quantities of electronic waste is generated mainly from computer, Electronics and Electrical department. This includes electrical and electronic components like CDs, batteries, PCBs and cables etc. The waste is separately collected and stored for further safe disposal.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: "FUN AND LEARN". Objectives: 1) The main objective of this practice is to provide an opportunity to explore innovation amongst students to identify and sort real life problems. 2) Group discussions, poster presentations, Mock Interviews encourage students to adopt innovative techniques and develop their ideas and skills. The context: Fun and learn is a self initiated program which consists of six modules like 1) Group discussion on Journal reviews 2) Mock interview 3) Personality Development 4) Industry Expert lecture 5) Poster Presentation 6) Tree Plantation. These six modules provide a great platform to display the knowledge and skills you have amassed over the years. Students go through a series of brainstorming sessions, rapid problem solving sequences and experience a totally diverse form of learning, which they usually don't practice in their schools or colleges. It creates interest in student for practical application. The practice: In Fun and learn we have taken different initiative for the development of students like: 1) Group discussion on Journal reviews- In this different trending and upcoming journals are being discussed and every student get the opportunity to discuss their own views. 2) Mock interview - The students are groomed according to the requirement for the campus drive and different competitive exams. 3) Personality Development- Different workshops and seminars are organized in the college for the development of the students with the help of soft skill trainer from different industries. 4) Industry Expert lecture- Technical workshops and seminars are being conducted to building the gap between the industrial and academic knowledge. 5) Poster Presentation- Poster presentation is organized on different technical and non technical issues by the student to find the inner skill other than the academics. 6) Tree Plantation- 'ONE TREE ONE LIFE' - to make this happen institute organize tree plantation program every year. Evidence of Success: The desirable form of competition is often referred to as positive, healthy, or cooperative competition. As the name suggests, positive competition promotes an "everyone wins" attitude where team members work collectively toward a common goal and the reward is communal. Problems encountered: Due to the busy schedule of industrial expert it is difficult to maintain the scheduled date and time. As the numbers of the posters were more and all posters were at part so it became difficult for the reviewers to select the best poster. Moreover the time constraint is the biggest problem encountered during the conduction and evaluation of the result for the practice. **Best Practice 2: "ENERGY CONSERVATION". Objective:** To educate students regarding the necessity of energy conservation. Context : In the institute at each electric point a messaging paper is pasted saying "Kindly switch off the lights when not in use" . This made the students as well as staff to understand the importance of energy. Energy saving is energy generated. Practice : Energy conserving lights like CFL and LED's are used in the campus.. Evidence of success: This has reflected in reducing monthly electric bill . **Best Practice 3: "MENTORING". Objective:** To solve and reduce the student's stress. Context : In the institute each student is assigned a

Mentor. Practice: In each department a group of students is assigned a mentor who takes care of students and keeps the record of all students. They talked collects the problems of the students and give them solutions with proper discussion between Mentor, HOD and Principal. Evidence of success: This has improved the performance of students in academic as well as they have become stress free.

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

<http://www.alardacem.com/NAAC/Under-IQAC-Institutional-Best-Practices.pdf>

7.3 – Institutional Distinctiveness

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

1. "A sound mind in a sound body (Sports). "Being a Technical institution, one area of thrust is to promote awareness and benefits of sports" The chief object of sports is, of course, bodily exercise. "A sound mind in a sound body is a well-known saying. To keep healthy, one must take an active interest in sports. Thus ACEM serve sports as an essential distinctive practice in student schedule because Sports ensure good health and build a fine physique. The Value of Sports benefits not only the body but also the mind. Almost every game requires a certain degree of skill to play. Skill is a mental quality which ACEM enhance in their upcoming Technocrats. Sports develop and encourage the spirit of healthy competition. The, competitive instinct is natural in man and demands outlets. Sports have wide scope for the competitive instinct. In ACEM, Matches and tournaments and contests are held to put to test the skill, toughness, stamina and endurance of values of participants. To boost up their confidence ACEM awards the students by Medals, Trophies, and certificates as an incentive to achieve excellence and a high standard of performance in their respective fields. The healthy spirit of rivalry and competition constantly leads to improvement in the performance. Purpose: - There are several other considerations which entail sports to an important place in life. It is usually by taking part in sports that we cultivate what is called the spirit of showmanship. This spirit of sportsmanship is an excellent quality in a man and consists of fair play, sense of discipline, capacity for team work and cooperation and confidence in oneself that enabled one to accept a defeat cheerfully. A sportsman playing on the field is not expected outplays foul. He must cooperate and finally, if his team suffers a defeat he must not lose self-confidence but must shake hands with his adversaries cheerfully. When a sportsman has acquired these qualities on the playground, he will naturally exhibit them in the wider sphere of life. If he has truly imbibed the lessons taught to him by sports, he will be very honest and fair in his dealings with other people. He will never see his enemies below belt. He will always obey his superiors. He will never feel heartbroken on account of the disappointments. If he shows these qualities in his general conduct, he has learnt how live truly. His life is successful and he will be admired everywhere. 2. "Reuse of Paper". Objectives: 1. To Reduce and promote reuse of papers. 2. Reduce time of Filling and record keeping. The Context: The Paperless Campus initiative is designed to reduce and remove existing paper documents stored within each department's physical repository. Organizations and individuals realize the damage done to the environment and are focusing on changes to make the environment better by means of minimum use of papers for documentation purpose. The Practice: There are several ways to contribute towards environmental betterment and a few significant contributions are

Provide the weblink of the institution

<http://www.alardacem.com/NAAC/Under-IQAC-Institutional-Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

The following are future plans for next academic year 2020-21

1. Firm up collaborations to bridge the gap between academia and industry. Industry is the major stake holder of technical institution. Institute has been in association with various industries and providing very good industrial exposure to the students in order to sustain and enhance the interaction with the industries. Also, planned to firm up association with industry by signing MoU for formal collaboration.
2. To get Professional Body membership for arranging various FDP, STTP and student Chapter under ISTE.
3. Applied for funding under AICTE Quality Improvement Schemes (AQIS).
4. Tie-up with Internshala at AICTE to get internships for students.
5. 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.
6. Industry Institute Interaction Activities: To enhance the industry institute interactions activities in line with the department. Due to pandemic an urge is initiated for upliftment of the technologies. Industrial collaboration would be strengthening the fulfillment of this urge.
7. To promote entrepreneurship and innovation through skill development. Institute has developed "Entrepreneurship Development Cell" and planning for enhanced activities in this area.
8. To encourage faculty members to participate in various Quality Improvement Program.
9. Introduction of value added courses: The College plans to explore the possibilities to introduce value added courses to enhance employability and cater to a wider cross-section of the society.
10. Students to be promoted for national and international level activities like Smart India Hackathon.
11. The faculties will have to publish at least two research papers annually and at the same time BE students must be encouraged to publish their project work at suitable conference/publication agencies. ME students are publishing their research in PGCONS and have to publish in appropriate journals and conferences.
12. Self improvement activities like FDPs, STTPs webinars conferences etc to be strengthened. Every faculty should attend at least 2 FDPs/STTPs in a year.
13. In continuation to previous year plans, the learning of the students would be strengthened by focusing on recorded video lectures by eminent personalities. All the faculties would be encouraged to create and upload their lectures in soft form (video). The institute will facilitate the domain for digitization. This will improve quality in education and will benefit students and faculty of the institute.