Yearly Status Report - 2018-2019

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	**K.D.Sapate**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02066523700**
Mobile no.	**8668759994**
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. KAVITA SHRIVASTAV**
Phone no/Alternate Phone no.	**02066523702**
Mobile no.	**9901966224**
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.alardinstitutes.com/iqac/#

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.alardinstitutes.com/alard-college-of-engineering-academics/

5. Accrediation Details

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 IQAC	Date & Duration	Number of participants/ beneficiaries

Career Opportunities in CAD/CAM/CAE	24-Jul-2018 1	34
Career Options for Mechanical and Civil Engineers	24-Sep-2018 1	33
Workshop on Android Programming	16-Aug-2018 4	85
Workshop on AMCA	21-Sep-2018 5	50
Workshop on PLC SCADA	04-Sep-2018 5	44
Industrial visit of Transportation Engineering at HOT MIX PLANT	08-Oct-2018 1	15
Seminar on Opportunities in Infrastructural Industries & Introduction to CAD	29-Jan-2019 1	25
National Seminar on TECHNO-SCIENCE- The role of entrepreneurial developments	15-Feb-2019 2	43
Industrial Visit to Substation Hinjewadi phase-I	21-Feb-2019 1	50
Guest lecture for DEM	26-Mar-2019 1	83
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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	Development Fund	Skywing Technology Pvt.Lt.	2019 1	30000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	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	**30000**
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.and Savitribai Phule Pune University(SPPU). 2.Execution of National Seminar TechnoScience dated 15 Feb to 16 Feb 2019 3.Permanently affiliated from Savitribai Phule Pune University, for all departments of Institute. 4..Foreign Collaboration with iCollege Limited,Australia for higher education. 5.Use of Google Classroom ICT for further improvement in Teaching Learning Process

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

Plan of Action	Achivements/Outcomes
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**
IQAC Meetings Scheduled	**Conducted on 17/12/2018 and 12/02/2019**
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 15/02/2019 to 16/02/2019**
Collaboration with Foreign University	**Mou Signed with iCollege Pvt ltd. Australia for three Years**
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
College Development Committee	14-Jul-2018

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, 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, internal-tests etc. Institute has taken initiative to provide soft skill training, 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. 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/entreprene urship	Skill Development
PLC SCADA	NA	04/09/2018	5	Employabilit y	Skill Development
AMCA	NA	21/09/2018	5	Employabilit y	Skill Development
Android Programming	NA	16/08/2018	4	Employabilit y	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Data Analytics	18/06/2018
BE	Airport and Bridge Engineering	18/06/2018
BE	Coastal Engineering	18/06/2018
BE	Audit Course V	18/06/2018
BE	Audit Course VI	18/06/2018
BE	Hydraulics and Pneumatics	18/06/2018
BE	Energy Engineering	18/06/2018
BE	Artificial Intelligence and Robotics	18/06/2018
BE	Machine Learning	18/06/2018
BE	Information and Cyber Security	18/06/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	18/06/2018
BE	Electrical Engineering	18/06/2018

BE	Mechanical Engineering	18/06/2018
BE	Computer Engineering	18/06/2018
BE	E &TC Engineering	18/06/2018

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

	Certificate	Diploma Course
Number of Students	135	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
PLC SCADA	04/09/2018	38
AMCA	21/09/2018	44
Android Programming	16/08/2018	35
Soft skill	18/12/2018	46
Soft skill	18/06/2018	58
Soft skill	18/12/2018	73
Soft skill	18/06/2018	22
Soft Skills	18/06/2018	9
Aptitude Preparation(Mechanical)	18/12/2018	21
Aptitude Preparation(Civil)	18/12/2018	6
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Engineering	2
BE	Mechanical Engineering	9
BE	Electrical Engineering	4
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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. 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, 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
BE	Civil Engineering	120	64	45
BE	Computer Engineering	120	68	31
BE	Electronics and Telecommunication Engineering	120	6	6
BE	Electrical Engineering	120	65	56
BE	Mechanical Engineering	240	78	70
ME	Computer Engineering	12	5	5
ME	Mechanical Engineering	12	3	3

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	600	8	88	4	4

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	Numberof smart classrooms	E-resources and techniques used
92	92	6	6	0	3
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring students is to address common student concerns like anxiety, stress, home sickness, fear of change and failure in the academic. It is a process of creating relationship between teachers, parents and students aiming at comprehensive development of students. In this activity, mentor help students to bring experience for values of life. There are many benefits of mentorship in student development that includes communication, interpersonal relationship, technical, verbal, creative thinking and motivating students for extracurricular activity. It prepare the students and teachers to face the real time challenges in the lives to handle isolation, anxiety, depression and other health problems. Through counseling, individual can explore alternatives, build on individual strengths and develop new skills. The feelings and concerns about family, friends, health and work deserve attention. Counseling gave the opportunity in a quiet and supportive environment to take the time to stop, think and plan. With sensitive and caring feedback, individual will gain new awareness and learn to deal with challenges in new and productive ways. Departmental Mentor coordinator distributes the hard copy of required formats to the department mentors. Departmental Mentor coordinator conducts the meeting twice in the semester within department and maintain the minutes. The process of mentoring includes appointment of teachers as mentors to the batch of 20 students of each class. This ensures that every student is allotted a mentor. Students allocated to specific mentor will remain with him/her till the completion of the semester. Then for next semester, new mentors are appointed who are teaching the subjects to the respective class. The mentor establishes the contact with the parents through telephonic discussion, appraise them about the development of their ward. The mentee meets the mentors once in a month and the observations about mentee viz. achievements, doubts, fears, grievances etc. are recorded. Based on which, the student is counseled in the necessary areas/ issues where he/she needs mentoring. The timely and extensive implementation of mentoring generates healthy interaction between students, parents and teachers and results in less student grievances.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
600	92	1:7

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

92	92	0	24	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
2019	Rachana Vaidya	Assistant Professor	Best Faculty
2019	Harsha Talodhikar	Assistant Professor	Best Faculty
2019	Aparna Ghadge	Assistant Professor	Best Faculty
2019	Rajasree Saha	Assistant Professor	All Rounder Faculty
2019	Ganesh Shitole	Assistant Professor	Best Faculty
2019	Chetana Baviskar	Assistant Professor	Best Faculty
2019	Chetana Baviskar	Assistant Professor	All Rounder Faculty
2019	Bhavani Veermani	Assistant Professor	Best Faculty
2019	Vanita Agrawal	Assistant Professor	Best Faculty
2019	Kavita shrivastava	Assistant Professor	Best performer of the year

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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	632561210	Semester-II	29/05/2019	18/07/2019
BE	632561210	Semester-I	12/11/2018	01/02/2019
BE	632519110	Semester II	29/05/2019	18/07/2019
BE	632519110	Semester I	11/12/2018	01/02/2019
BE	632524510	Semester-I	11/12/2018	01/02/2019
BE	632524510	Semester-II	29/05/2019	18/07/2019
BE	632529310	Semester-I	11/12/2018	01/02/2019
BE	632529310	Semester-II	29/05/2019	18/07/2019
BE	632537210	Semester-1	11/12/2018	01/02/2019
BE	632537210	Semester-2	29/05/2019	18/07/2019

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

Institute's primary focus is on strengthening teaching learning process through assessment and evaluation. Various evaluation reforms initiated by the Savitribai Phule Pune 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 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. Extra 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. Course file 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.alardinstitutes.com/alard-college-of-engineering-academics/

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

632519110	BE	Civil Engineering	20	12	60%
632529310	BE	Electrical engineering	38	22	57.89%
632561210	BE	Mechanical Engineering	60	49	81.66%
632524510	BE	Computer Engineering	21	21	100%
632537210	BE	E &TC Engineering	5	4	80%
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2.7 – Student Satisfaction Survey

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

https://docs.google.com/forms/d/e/1FAIpQLSelf90TzJ3RP_fUjJJL-ii4gelWNSEe3b2uW4rxPrWbGrog1w/viewform?vc=0&c=0&w=1

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
Any Other (Specify)	365	Skywings technology Pvt ltd.	0.3	0.3
Major Projects	120	Alard Charitable Trust	0.64	0.64
Major Projects	210	Manisha Industries	0.5	0.5
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
AMCA Workshop	Electrical Engineering	21/09/2019
TECHNO-SCIENCE- The role of entrepreneurial develeopments-National seminar	Applied Science	15/02/2019
Evolution challenges in race car Design	Mechanical Engineering	24/07/2018
Career Opportunities in CAD/CAM/CAE	Mechanical Engineering	24/07/2018
Career Options for Mechanical Engineering	Mechanical Engineering	24/09/2018

Intellectual Property Rights(Patent)	Mechanical Engineering	28/09/2018
Guest lecture on DELD	Computer Engineering	22/09/2018
State Level Workshop on Machine Learning and Research Methodology	Computer Engineering	16/03/2019
Guest lecture on Web technology	Computer Engineering	03/04/2019
Seminar on UBUNTU and Google Classroom	Computer Engineering	24/04/2019
Career Options for Mechanical and Civil Engineers	Civil Engineering	24/09/2018
Seminar on Opportunities in Infrastructural Industries Introduction to CAD	Civil Engineering	29/01/2019
Guest lecture for DEM	Electrical Engineering	26/03/2019
PLC Workshop	Electrical Engineering	04/08/2018

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
AN AUTOMATIC POTATO SOWING MECHANISM	RUSHIKESH SHIVAJI GAMBHIRE	Intellectual Property India	05/04/2018	Student Patent
WIRELESS ENABLED DEVICE TO FACILITATE ROADSIDE SERVICES	ABHILASH JADHAV	LEOROC TECHNOLOGY PVT. LTD., Pune, MH- INDIA	23/03/2018	Student Patent
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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,hardware	03/06/2019
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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
Computer Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	2	6.37
International	Mechanical Engineering	2	2.1
International	Computer Engineering	4	5.63
National	Electrical Engineering	9	0
National	Mechanical Engineering	3	0
National	Computer Engineering	1	0
National	ENTC Engineering	2	0
National	Civil Engineering	3	0
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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
Computer Engineering	2
Mechanical Engineering	12
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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
Study of Effect of Constrained Layer Damping In Vibration Characteristics of Automobile Panels	Dr.K. D. Sapate	Conference MECHPGCON2019	2019	0	ACEM	0
Design and Experimental Investigation on Composite drive shaft using CLT	Dr.K. D. Sapate	Conference MECHPGCON2019	2019	0	ACEM	0
Parametric analysis in develop	Yogesh Mahulkar	InternationalJournal of pure	2019	0	ACEM	0

ment of miniature loop heat pipe using ANOVA on heat pipe		and applied mathematics				
Review on study and characteristics of human liquid waste(urine) and its application	Prof. Rachna Vaidya	IJSART -International Journal for Science and advance Research in Technology	2018	0	ACEM	0
Study on human liquid waste and its Quantification	Prof. Rachna Vaidya	IJRSR- International Journal of Rescent Scientific research	2018	0	ACEM	0
Review on waste water management in pune city	Prof. Rachna Vaidya	NCTR-2018	2018	0	ACEM	0
Review on human liquid waste, composition and its application.	Prof. Rachna Vaidya	IJIRT, VOL-5, ISSUE 1	2018	0	ACEM	0
Systematic Quantification of Huaman liquid waste in APCOER	Prof. Rachna Vaidya	CIVIL-PGCON	2018	0	ACEM	0
Study of tribiological analysis of PTEE and its fillers using Taguchi Approach	Sima Raut Priyanka Bhosale	Techno-Science	2019	0	ACEM	0
3D Printing Technology-	Reshma Patil, Ashwini	Techno-Science	2019	0	ACEM	0

A Manufacturing Revolution	Mane, Dr.K. D. Sapate					

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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
No Data Entered/Not Applicable !!!						

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

Number of Faculty	International	National	State	Local
Presented papers	**2**	**13**	**0**	**0**
Attended/Seminars/Workshops	**0**	**0**	**0**	**12**

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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
Yoga and Stress management	**ACEM**	**31**	**0**
International Womens Day	**ACEM**	**34**	**50**
Blood Donation camp	**Morya Blood Bank**	**2**	**34**
Tree plantation	**ACEM**	**33**	**58**
Swaccha Bharat Abhiyan	**ACEM**	**30**	**61**
Blood Donation camp	**RED PLUS Blood bank**	**7**	**38**
No Horn Day	**ACEM With SPPU**	**5**	**38**
International Yoga Day	**ACEM**	**28**	**40**
Donation for Kerala Flood affected	**ACEM**	**40**	**15**

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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 activity	**Appreciation**	**Red Plus blood bank**	**20**

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 activites	Number of students participated in such activites
Blood Donation	Morya Blood Bank	Blood Donation camp	2	34
Blood Donation	RED PLUS Blood bank	Blood Donation camp	7	38
Tree Plantation	ACEM	Tree plantation	33	58
Swatch Bharat Abhiyan	ACEM	Swaccha Bharat Abhiyan	30	61
International yoga day	ACEM	International Yoga Day	2	50
Yoga and Stress management	ACEM	Yoga and Stress management	31	0
Donation for Flood affected	ACEM	Donation for Kerala Flood affected	40	15
Road safety	ACEM With SPPU	No Horn Day	5	38

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	Dr. Nitika Singhi	ACP	1
Faculty Exchange	Dr. Nitika Singhi	AIMS	1
Faculty Exchange	Chetana Baviskar	AIMS	1
Faculty Exchange	Bhavani Veermani	AIMS	1
Faculty Exchange	Trupti Tekale	AIMS	1
Faculty Exchange	Vanita Agrawal	AIMS	1
Field Trip	9	Barclays, Pune.	1
Student Exchange (Internship)	2	S9 Studio Pvt. Ltd.	90
Student Exchange (Internship at Manisha Industries)	4	Manisha Industries	210
Student Exchange (Internship at Gabriel India Limited)	4	Gabriel India Limited	210

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	Name of the	Duration From	Duration To	Participant

	linkage	partnering institution/ industry /research lab with contact details			
Internship	MOU	S9 Studio Pvt. Ltd.	23/05/2018	23/08/2018	2
Industrial Visit	Industrial Visit	Barclays, Pune.	03/08/2018	03/08/2018	9
Internship	National skill qualification framework (Level-4)-Ghodke Bapu, Girish Kulkarni	National skill qualification framework (Level-4)	05/04/2019	05/04/2019	2
Field trip	Sant Tukaram Sahakari Sakhar Karkhana , Kasarsai	Sant Tukaram Sahakari Sakhar Karkhana , Kasarsai	15/02/2019	15/02/2019	82
Industrial Visits and Guest Lectures	MOU	DesignTech CAD Academy	04/05/2019	04/05/2019	73
Soft skill development	MOU	Mutigen Lowen LLP	08/08/2018	08/08/2019	50
Internship	Industry Institute Interaction	thysenkrupp India Solutions	01/08/2018	01/05/2019	4
Industrial Visit	Industrial Visit	ARAI , Chakan	20/10/2018	20/10/2018	55
Industrial Visit	Industrial Visit	Industrial visit of Transportation Engineering at HOT MIX PLANT H.C. Kataria, Bhosari, PCMC Contact No. 9762888888	08/10/2018	08/10/2018	15

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 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
S.N.K ASSOCIATES	07/09/2018	Workshop	44

SKYWINGS Pvt, Ltd.	22/09/2018	Workshop	50
S9 Studio Pvt. Ltd.	20/03/2019	Internship	2
Om sai Engineers Pvt.Ltd.	05/09/2018	Project Assistance/Guest Lectures	70
Sadhguru Enterprises	17/06/2018	Project Assistance/Guest Lectures	44
Achieve robomation India Pvt. Ltd	02/01/2018	Internship	2
DesignTech CAD Academy	04/05/2018	Industrial Visits and Guest Lectures	73
Deepak Enterprises	16/01/2018	Industrial visit	40
Parag Enterprises	06/06/2018	Industrial visit	50
Mutigen Lowen LLP	08/08/2018	Soft skill development	50
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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
3272000	3856545

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or 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
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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)	2020

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	10643	3500106	70	18515	10713	3518621

e-Books	351	0	0	0	351	0
Others(specify)	46	0	0	0	46	0
Journals	361	13570	0	0	361	13570
Digital Database	1	13570	0	13570	1	27140
CD & Video	528	0	0	0	528	0
Library Automation	1	55000	0	21000	1	76000
Others(specify)	230	0	28	0	258	0

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 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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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	0
Total	260	9	50	20	40	7	193	50	0

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
Media Connect/ Recording Faciltiy	https://drive.google.com/file/d/1ooJHXXsvZdLoTJaEStpnHh86rACSp9Uk/view?usp=sharing

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 incurredon maintenance of physical facilites
36.95	38.28	25.04	28.53

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 , computers, classroom etc. Procedure for maintaining equipment and furniture : A DSR is maintained for all the equipments. Maintenance work is scheduled for computers, Printers, Photocopy Machine, Cameras, Water coolers/filters, gardening, cleaning etc. 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 through proper permission ,from whom the equipment is purchased and get the equipment checked for the fault. After inspection the Lab In charge 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 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 of the equipment. DSR is maintained and updated regularly for each lab. DSR 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 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: As per the timetable, the computer labs are allocated to the students for particular subject in the curriculum. 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.

http://www.alardinstitutes.com/wp-content/uploads/2020/03/House-Keeping-and-Maintainanace.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	Fee Waiver from ACEM for economically backward Students.	13	188946
Financial Support from Other Sources			
a) National	FREESHIP and SCHOLARSHIP	342	9110238
b)International	-	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge Courses (Seminars/Guest Lectures)	28/09/2018	20	Intellectual Property Rights(Patent)
(Bridge Courses) Industrial Visit Barclay,pune	03/08/2018	9	Barclay,pune
(Bridge Courses) Android programming workshop	16/08/2018	53	Fenixwork Solutions, Pvt. Ltd
Seminar on UBUNTU and Google Classroom	24/04/2019	7	ACEM, Computer Dept.
(Yoga-Meditation)International Yoga Day	21/06/2018	60	ACEM
Remedial coaching	18/06/2018	7	ACEM
Soft Skills	18/06/2018	8	Included in University Syllabus
Bridge courses(IV-Rebus Industry,Bhamboli)	03/09/2019	42	Electrical Dept, ACEM
Personal Counselling	18/06/2018	140	Electrical Dept, ACEM
Gate Practice Papers	18/06/2018	21	ACEM (Mechanical Department)
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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 passedin the comp. exam	Number of studentsp placed
2019	National Skill Development Corporation	2	0	2	2
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of stduents placed	Name of organizations visited	Number of students participated	Number of stduents placed
Triangle Automation	11	5	Suvarna FMS	4	2

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	BE	Mechanical	ACEM,Pune	ME Design
2018	1	BE	Electrical	Massachusetts Institute of technology	MS (Data Science)
2018	2	BE	Computer Engineering	Pimpri Chinchwad College of Engineering, Pimpri	ME

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

Items	Number of students selected/ qualifying
Any Other	2

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

Activity	Level	Number of Participants
Musical chair girls	College Level	12
Musical chair Faculty	College Level	16
Poster Competition	College Level	2
Rangoli Competition	College Level	16
Mehendi Competition	College Level	15
1-minute show	College Level	5
Chess (Boys)	Inter Department Competition	8
Carrom (Boys)	Inter Department Competition	8
Volley Ball(Boys)	Inter Department Competition	48
Cricket (Boys)	Inter Department	88

			Competition			

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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
No Data Entered/Not Applicable !!!						

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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. "NSS Committee" is active in carrying out different activities such as Blood donation Camp, Swach 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 2018-19. Previously At college level Alumni Meet was informally conducted. 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:

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108

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

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4472

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5.4.4 – Meetings/activities organized by Alumni Association :

Every year one Alumni Meet is organized. Alumni Meet 2019 was organised on 12.02.2019 at 4:00 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 90 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) 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 under the guidance of LMC and Governing Bodies. 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	Admissions are done through Centralized Admission Process (CAP) rounds as per the schedule given by DTE. To improve admissions, following activities are being done • 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		1. Every staff member tries to liaison with industry through which students are facilitated for internship/placement/project guidance /guest lectures/ industrial visit etc. There are total -------- MOUs. 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/mater nity/study/earned) and vacations are provided to staff as per rules
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. The academic coordinator monitors the following teaching learning activities: 1. Conduct of lectures and practicals as per the time table 2. Preparation of the list of defaulters whose attendance is less than 75 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 project and seminar presentations 7. Conduct of the unit tests as per the plan 8. Assignments as per the plan Activities of the Academic monitoring are periodically reviewed.
	Curriculum Development	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.
Research and Development	Institute is having Incubation Centre with the following objectives 1.To create awareness for Research and Development among faculty and students. 2.To create interest and motivate faculty to take up research projects
Library, ICT and Physical Infrastructure / Instrumentation	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

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

E-governace 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	• Website Hosting • Library automation • Management of books • Issue /return work • Library books acquisition
Examination	• 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 for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Aparna Ghadge	FDP on BIM Workflow for AEC Industry.	NA	500
2018	Chetana Baviskar	FDP on Laboratory Practice-I	NA	2000
2018	Ashwini Shirke	FDP on Laboratory Practice-II	NA	1600
2018	Bhavani Veermani	FDP on Data Analytics	NA	1000
2019	Kavita Shrivastava Ganesh Shitole	Examination Reform Workshop for teachers.	NA	1000
2019	Chetana Baviskar	FDP on Machine Learning	NA	600
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	TECHNO-SCIENCE- The role of entrepreneurial develeopments	NA	15/02/2019	16/02/2019	15	0

2019	WebTechnology Guest Lecture	NA	03/04/2019	04/04/2019	6	0
2019	State Level Workshop on Machine Learning and Research Methodology	NA	16/03/2019	16/03/2019	8	0
2018	Workshop in Android Programming	NA	16/08/2019	19/08/2019	6	0
2018	Guest Lecture DELD	NA	22/09/2018	22/09/2018	1	0
2019	Seminar on UBUNTU and Google Classroom	NA	24/04/2019	24/04/2019	26	0

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Syllabus Implementation of Mechanical System Design	1	12/01/2019	12/01/2019	1
Syllabus Implementation of Dynamics of Machinery	1	30/06/2018	30/06/2018	1
FDP on IOT Machine Learning	1	27/12/2018	27/12/2018	2
FDP on LP-IV	1	07/01/2019	07/01/2019	1
FDP on Machine Learning	1	13/12/2018	14/12/2018	2
FDP on BIM Workflow for AEC Industry.	1	20/12/2018	20/12/2018	1
FDP on LP-I	1	10/07/2018	12/07/2018	3
FDP on LP-II	1	16/07/2018	18/07/2018	3
FDP on Data Analytics	1	22/06/2018	23/06/2018	2

Syllabus Implementation of Industrial Engineering	1	09/01/2019	09/01/2019	1

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
42	92	20	20

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1.Financial support for attending 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. 6.Birthday celebration of staff members at department level 7.Gymnasium facility	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	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.3.Financial support to students for arranging various activities and sports competitions

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 2018-19 was done in March 2019 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
1) Skywings Technology Pvt Ltd	30000	Development Fund for students

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6.4.3 – Total corpus fund generated

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)

1. Parent Teacher Meeting is carried out for assessment of result and performance of students. 2. Parents are also a part of the first year induction programme to become familiar with college and to know about university curriculum, examination schemes etc. 3. Mentors also interact with the parents regarding their wards attendance and academic progress. 4. Parents from industrial sector supports for enhancing industry institute interaction such as Industrial Visit, Internships, MOUs etc.

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

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

1. Funding is granted from SPPU under Quality Improvement Program (QIP) scheme for National Seminar TECHNO-SCIENCE 2020 which was held on 13th -14th Feb 2020. 2. Excellence Awards for Teaching and Non-Teaching Staff 3. Incubation Cell is introduced to promote entrepreneurial projects. 4. Conduct of workshops and course work for faculty and students to enhance the quality of research. 5. Financial support to physically challenged, orphans and underprivileged people at Mai Bal Bhavan, Dehu Road, Pune on account of International Women's Day. 6. Financial support to flood affected people in Kolhapur Region. 7. Revised set of HR Policies for sourcing, recruitment, maintenance and retention.

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
2018	Industrial Visit to Om Sai roofing and Steel	09/08/2018	09/08/2018	09/08/2018	34

	Traders, Marunji				
2019	TECHNO-SCIENCE- The role of entrepreneurial develeopments-National seminar	15/02/2019	15/02/2019	16/02/2019	15
2018	AMCA Workshop	21/09/2018	21/09/2018	25/09/2018	44
2018	Intellectual Property Rights(Patent)	28/09/2018	28/09/2018	28/09/2018	20
2019	Android programming workshop	16/08/2019	16/08/2019	19/08/2019	59
2019	State Level workshop on Machine learning Research methodology	16/03/2019	16/03/2019	16/03/2019	22
2018	DesignTech CAD/CAM Academy	12/10/2018	12/10/2018	12/10/2018	49
2018	ARAI , Chakan	20/10/2018	20/10/2018	20/10/2018	55
2019	Guidance for competitive examinations	09/01/2019	09/01/2019	09/01/2019	21
2019	Industrial visit of Environmental Engineering I at Water treatment plnat, Nigdi, Pradhikaran,Pune	04/08/2019	04/08/2019	04/08/2019	20
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Womens day	08/03/2019	08/03/2019	33	51

Constitution Day	26/11/2018	26/11/2019	18	6
Tree Plantation	11/06/2018	11/06/2018	35	56
Swachha Bharat Abhiyan	01/07/2018	01/07/2018	35	62
Poster presentation on Gender Equity	11/02/2019	11/02/2019	6	0
International Yoga Day	21/06/2018	21/06/2018	48	20
Dr. Ambedkar Mahaparinirwan Din	06/12/2018	06/12/2019	16	6

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

Percentage of power requirement of the University met by the renewable energy sources
1. Energy and green audit was conducted wherein recommendations of previous year was implemented such as replacement of all FTLs with 20W Energy Efficient LEDs. 2. Tree plantation drive organized in premises by students. 3. Our college has taken initiative to prepare paper bags from students under fun and learn activity to make college premises plastic free. 4. Use of LED lights in classrooms and corridors. 5. Recycler. 6. Disseminate of information regarding prevention of Noise pollution on account No Horn Day in collaboration with SPPU.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	12/09/2018	1	No Horn ok day	Public transport	43

2018	1	1	01/06/2018	92	Facilitation centre	Registration for Admission process	134
2018	1	1	22/06/2018	1095	Tie up with Sigma Hospital	MOU signed for medical problems if any,	700
2018	1	1	23/06/2018	2	MAHA IT-PWD	Govt. entrance exam center	800

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students	18/06/2018	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 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
Constitution Day	26/11/2018	26/11/2018	24
Dr. Ambedkar Mahaparinirwan Din	06/12/2018	06/12/2018	22
Shivaji Maharaj Jayanthi	19/02/2019	19/02/2019	101
International Womens Day	08/03/2019	08/03/2019	84
International Yoga Day	21/06/2018	21/06/2018	68
No Horn Day	12/09/2018	12/09/2018	43
Yoga and Stress management	07/05/2018	07/05/2018	31
Donation for Kerala	23/08/2018	23/08/2018	40

Flood affected			
Marathi Divas	27/02/2019	27/02/2019	54

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

. Plastic Free Campus 2. Reuse of Papers 3. Tree Plantation 4. Paperless communication by using ICT tools 5. Rain Water Harvesting in the campus 6. College conducts energy audit and green audit of the campus every year

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.alardinstitutes.com/wp-content/uploads/2020/03/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.alardinstitutes.com/wp-content/uploads/2020/03/Institutional-

8.Future Plans of Actions for Next Academic Year

Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co -curricular and extracurricular activities, faculty development. Another aspect, institute is focusing is social exposure to students and faculty by conducting extension activities. In view of the vision, mission and core values, institute has planned for following initiatives. 1. Organize more community service activities to contribute to the wellness of the Society, along with NSS unit, departments are involved in the organization of different social activities. 2. 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 3. Applied for funding under AICTE Quality Improvement Schemes (AQIS) for STTP on Pedagogy for effective teaching and learning. 4. Applied for funding under AICTE Quality Improvement Schemes (AQIS) for FDP on Artificial Intelligence using Machine Learning and Deep Learning. 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. To promote entrepreneurship and innovation through skill development. Institute has developed "Entrepreneurship Development Cell" and planning for enhanced activities in this area. 7. To encourage faculty members to participate in various Quality Improvement Program. 8. 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.