



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

## **ALARD COLLEGE OF ENGINEERING AND MANAGEMENT , PUNE**

**SURVEY NO 50 , NEAR RAJIV GANDHI INFOTECH PARK , PHASE-II  
,HINJEWADI , MARUNJE , PUNE -411057 , PUNE , MAHARASHTRA.**

**411057**

**[www.alardinstitutes.com](http://www.alardinstitutes.com)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**(Draft)**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

### About the Trust

Alard Charitable Trust is an educational trust registered under Bombay Charitable Trust Act 1960 bearing Registration No. E-2964-Pune dated 3rd Nov 1999. Five trustees of the institute are associated with the educational field, industry and corporate world. Dr. L.R. Yadav is the Promoter & the chairman of the trust having 22 years' experience in the field of Consultancy, Turnkey Projects, Engineering and Marketing & Exports. The trust is established for promoting the educational activities & programs as well as to create job opportunities for rural masses.

### About the Institute

Alard College of Engineering and Management, Marunji, Pune is established in 2008. The institution is affiliated to Savitribai Phule Pune University approved by AICTE New Delhi and is recognized by DTE Government of Maharashtra. The institute offers five under graduate programs namely Civil, Mechanical, Computer, E&TC & Electrical Engineering and two Post Graduate program in Mechanical and Computer Engineering

### The Institution's Location

Institute is located at a distance of 26 kms from Pune Airport, 21 Kms from Pune Railway Station and 18 kms from Central Bus Stand (Shivaji Nagar). The postal address of the institution is:

Alard Knowledge Park, Survey No. 50, Near Rajiv Gandhi IT Park, Marunji, Hinjawadi, Pune, Maharashtra 411057.

### Vision

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

### Mission

- To be renowned as institute of national repute.
- Shaping nations economy by providing technocrats and entrepreneurs.
- Imparting outcome and skill based Technical education.
- Enhancing abilities of common masses by developing research attitude, values and skills required for engineering excellence thus contributing in nation building.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Well equipped laboratories and library.
- Green campus with healthy environment.
- Young and dynamic research oriented faculties.
- Collaboration with International University
- Participation in co-curricular and extra-curricular activities.
- Good connectivity through Public Transport System.
- Participation in social awareness activities

### Institutional Weakness

- Lack of Differently abled students.
- Lack of faculty nomination at various bodies of University.
- Lack of use of Renewable Energy sources

### Institutional Opportunity

- More number of PhD Faculties.
- More number of students from other states and countries.
- More number of differently abled students.
- More number of faculty nominations at various bodies of University.
- More number of students to become successful entrepreneur for economic development of the country.
- To become Centre of Excellence in Renewable Energy sources.

### Institutional Challenge

- Working hard to increase placement ratio.
- Overcoming admission challenges due to lack of interest of students in engineering.
- Bridging the gap between academia and industry.
- To increase the number of OMS students.
- To increase the students involvement in field projects and internships

## 1.3 CRITERIA WISE SUMMARY

## **Curricular Aspects**

The Alard College of Engineering and Management is affiliated to Savitribai Phule Pune University. The curriculum developed by SPPU is implemented in the institute. After every four years curriculum revision is performed by the university. The faculties from institute works in various university functions such as external examiner, junior supervisor and paper evaluation scheme. Based upon academic calendar from university institute prepares institute academic calendar. All the Academic, co-curricular and extra-curricular activities are executed in accordance with academic calendar. To bridge curriculum gap various types of add on courses, soft skill courses are conducted at the institute. Guest lecture, seminar and industrial visit also improve learning experience of students. The institution addresses cross-cutting issues such as gender, environment and sustainability, human values, professional ethics into the curriculum through audit courses. Stakeholder feedback about curriculum and institute is collected, analysis is performed and appropriate action is taken.

## **Teaching-learning and Evaluation**

The student enrollment process for the first year and direct second year engineering is monitored and regulated by the Directorate of Technical Education (DTE), Government of Maharashtra, which is named as the Centralized Admission Process (CAP). Students from different background such as category, gender and locality are admitted in the Institution.

The institution plans teaching learning activities in line with the academic calendar from university. The Academic Monitoring Committee (AMC) is ensuring effective implementation of teaching learning process through meetings. The teachers are preparing teaching plan and follows same for effective teaching-learning and evaluation process.

At the end of every semester, teaching learning process has been reviewed and subject allocation for the next semester is done.

A review of syllabus coverage is taken at the end of each month end during semester. Faculties and students are attending workshops, seminar for improving technical knowledge and skills. Faculties are using ICT-based tools, NPTEL videos, DELNET Software, different e-resources, language lab, Goggle Apps etc. to improve the learning experience of students at the institution.

Every program defines course outcomes for all the courses under their program .After defining course outcomes mapping of course outcomes is performed with program outcomes. This assessment of CO-PO-PSO is applied for identifying attainment level of program outcomes for every course. The student feedback mechanism also contribute for the overall improvement in the teaching learning process at institution.

## **Research, Innovations and Extension**

The institution has promotes Research and Development activity by organizing different workshop, seminar and guest lecture in the institution. The faculties and students are motivated to attended workshop, seminar and guest lecture outside of the institute.

At present, the institution has three Ph.D. holders. Students are participating various technical events and curricular activities. The final year students are presenting research papers based upon the project performed.

Faculties are also publishing research papers in different conferences and journals. Institution is setting up Incubation Centre to facilitate research activity.

The institute is also organizing various social and extension activities with the active participation of students. The aim of such activities is to make students aware of societal problems and student may give solution to such problems. The institute has MoUs with different organizations to facilitate industrial visit, internship and add on courses for the students.

### **Infrastructure and Learning Resources**

The institution has adequate infrastructure facilities and learning resources for the benefit of students and teachers. The institution is situated over area of 5 acres. The classrooms are ventilated and provided with ICT facility. The institute has well equipped laboratories for all departments. A well maintained seminar hall having provision of audio visual equipment along with power back up. Seminar hall enables organizing workshops, seminars, guest lectures and other activities inside the institute. The separate playgrounds are available for sports like, cricket, kabbadi, football, basketball and tennis. The institute has separate space given for gymnasium.

The adequate infrastructure is available to play indoor games table tennis, badminton, carom and chess. The institution has well furnished separate hostels for girls and boys in campus. A vary spacious reading hall is available in library. SLIM software is used for librar management system. The central library having regular library and digital library along with text books, reference books, journals/e-journals, NPTEL videos. The institution has 32 Mbps internet leased line. The internet connectivity inside the campus is provided either with LAN / Wi-Fi. Computer-Student ratio is 1:3. Institute has provided CCTV cameras for ensuring safety and monitoring activities inside the campus.

### **Student Support and Progression**

The students are coming from different background. Institute give benefit of government Schemes such as free-ships, scholarship, EBC. The institution provides financial assistance to 'Earn and Learn scheme' at college level. Institution gives financial assistance to students participating for BAJA Robocon, Go-KART and Hackathon *etc.* Through different activities and events efforts are made for the academic progression and employment. Training and Placement Cell ensures that students are well prepared for campus placement.

The institution organizes annual social cultural and technical event which explores student's hidden skills. Students are participating in student council and other bodies such as Women's Grievance cell, Anti-ragging Committee, Hostel, Mess Committees *etc.*

The academic progress of students is recorded by Academic Monitoring Committee (AMC).

Alumni association meetings are conducted and alumni feedback is taken for institute development.

### **Governance, Leadership and Management**

#### **Vision**

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

### **Mission**

- To be renown as institute of national repute.
- Shaping nation's economy by providing technocrats and entrepreneurs.
- Imparting outcome and skill based Technical education.
- Enhancing abilities of common masses by developing research attitude, values and skills required for engineering excellence thus contributing in nation building.

The Vision and Mission statements of the institution is formulated with the guidance of Management, Principal, Heads of the Departments .The institution has very transparent mechanism of governance and management. The decisions taken by governing body are student oriented and indicating welfare of faculties.

Faculties are part of various academic and administrative committees ensuring decentralization of responsibility. The institution adheres to HR policies in the recruitment promotion of faculties at all levels.

Performance appraisal of faculties is carried out every year by Heads of the Departments and reviewed by Principal with criteria's such as teaching proficiency, students' feedback and result analysis

Institution provides financial aid to faculties for participating the conferences, workshops, skill STTP, FDP, etc to improve technical quality.

Annual budget is prepared based upon the requirements from every department. Through periodic discussions with the Principal, management seeks information about the requirements for recruitment of faculties and staff, infrastructure development and financial needs.

Every year financial audits are conducted for evaluating income and expenditure of the institution. Internal Quality Assurance Cell (IQAC) ensures overall quality at the institution through periodic meetings. Institution conducts Academic and Administrative Audits for improving academic performance and quality.

### **Institutional Values and Best Practices**

The institution has made provision for rain water harvesting, solar lighting system, waste management system and performs green audit from accredited organization. The campus has planted number of trees to make campus green and pollution free.

The Institution facilitates differently-abled (Divyangjan) by providing physical facilities such as ramps, rest room, medical room and wheel chair. The institutions has undergone best practices such as Fun and Learn and reuse of paper office which aims for overall development of students.

Events for promoting truth, love, nonviolence and peace are organized. Institution celebrates the birth and death anniversaries of great personalities for giving moral education. Institution maintains complete transparency in financial, academic and administrative Code of conduct is available for both students and faculties.

Functions time to time. Institute has signed MOU with Green Solider organization to create awareness about plastic waste and its effects. Institute has organized gender sensitivity event such as women's day.

NAAC

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	ALARD COLLEGE OF ENGINEERING AND MANAGEMENT , PUNE
Address	Survey No 50 , Near Rajiv Gandhi Infotech Park , Phase-II ,Hinjewadi , Marunje , Pune -411057 , Pune , Maharashtra.
City	PUNE
State	Maharashtra
Pin	411057
Website	<a href="http://www.alardinstitutes.com">www.alardinstitutes.com</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K.D.Sapate	020-66523700	8668759994	020-66523789	principalacem@alardinstitutes.com
IQAC / CIQA coordinator	Kavita Shriwastav	020-66523702	9901966224	020-66523714	hodelectrical.acem@gmail.com

Status of the Institution	
Institution Status	Self Financing and Private

Type of Institution	
By Gender	Co-education
By Shift	Regular



<b>Recognized Minority institution</b>	
If it is a recognized minority institution	Yes <a href="#">minority.pdf</a>
If Yes, Specify minority status	
Religious	
Linguistic	Linguistic
Any Other	

<b>Establishment Details</b>											
Date of establishment of the college	01-01-2009										
<table border="1"> <tr> <td colspan="3"><b>University to which the college is affiliated/ or which governs the college (if it is a constituent college)</b></td> </tr> <tr> <td><b>State</b></td> <td><b>University name</b></td> <td><b>Document</b></td> </tr> <tr> <td>Maharashtra</td> <td>Savitribai Phule Pune University</td> <td><a href="#">View Document</a></td> </tr> </table>			<b>University to which the college is affiliated/ or which governs the college (if it is a constituent college)</b>			<b>State</b>	<b>University name</b>	<b>Document</b>	Maharashtra	Savitribai Phule Pune University	<a href="#">View Document</a>
<b>University to which the college is affiliated/ or which governs the college (if it is a constituent college)</b>											
<b>State</b>	<b>University name</b>	<b>Document</b>									
Maharashtra	Savitribai Phule Pune University	<a href="#">View Document</a>									
<b>Details of UGC recognition</b>											
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>									
2f of UGC											
12B of UGC											
<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>											
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day,Month and year(dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>							
AICTE	<a href="#">View Document</a>	25-04-2018	12	For Academic Year							

<b>Details of autonomy</b>	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

<b>Recognitions</b>	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Survey No 50 , Near Rajiv Gandhi Infotech Park , Phase-II ,Hinjewadi , Marunje , Pune -411057 , Pune , Maharashtra.	Urban	5	12600

## 2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Computer Engineering	48	HSC OR DIPLOMA OR BSC	English	60	10
UG	BE,Electronics And Telecommunication	48	HSC OR DIPLOMA OR BSC	English	60	0
UG	BE,Mechanical Engineering	48	HSC OR DIPLOMA OR BSC	English	120	7
UG	BE,Civil Engineering	48	HSC OR DIPLOMA OR BSC	English	60	3
UG	BE,Electrical Engineering	48	HSC OR DIPLOMA OR BSC	English	60	3
PG	ME,M E Computer Engineering	24	BE COMPUTE R ENGINEERING	English	24	3
PG	ME,M E Mechanical Engineering	24	BE MECHANICAL ENGINEERING	English	24	2

#### Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	13				24				75			
Recruited	0	0	0	0	0	1	0	1	30	45	0	75
Yet to Recruit	13				23				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				44			
Recruited	0	0	0	0	0	0	0	0	9	35	0	44
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				20
Recruited	13	7	0	20
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				7
Recruited	6	1	0	7
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				20
Recruited	13	7	0	20
Yet to Recruit				0

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	1	0	0	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	29	63	0	92

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	5	8	0	13

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	9	5	0	14

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
PG	Male	4	0	0	0	4
	Female	1	0	0	0	1
	Others	0	0	0	0	0
UG	Male	87	2	0	0	89
	Female	6	2	0	0	8
	Others	0	0	0	0	0

**Provide the Following Details of Students admitted to the College During the last four Academic Years**

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	10	19	7	6
	Female	0	2	3	0
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	24	39	30	35
	Female	1	4	5	5
	Others	0	0	0	0
General	Male	102	150	148	191
	Female	12	20	18	21
	Others	0	0	0	0
Others	Male	11	22	16	13
	Female	5	2	3	1
	Others	0	0	0	0
Total		165	258	230	272

### 3. Extended Profile

#### 3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 407

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	7	7	7	7

#### 3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
320	265	284	165	250

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
204	234	234	234	234

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
145	307	405	243	216



File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

### 3.3 Teachers

#### Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
106	120	117	112	96
File Description	Document			
Institutional Data in Prescribed Format	<a href="#">View Document</a>			

#### Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
120	120	118	112	96
File Description	Document			
Institutional data in prescribed format	<a href="#">View Document</a>			

### 3.4 Institution

#### Total number of classrooms and seminar halls

**Response: 28**

#### Total Expenditure excluding salary year-wise during the last five years ( INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
108.49	217.08	497.12	336.37	303.01

#### Number of computers

**Response: 240**

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

**1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process**

**Response:**

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

**Academic Calendar**

College Academic calendar for every year is prepared as per the academic calendar displayed on SPPU university website by Academic Dean and verified by Principal. Similarly each department Academic coordinator prepare departmental academic calendar for each academic session.

**Time Table and Load Distribution**

HOD of respective departments defines teaching load for all faculties and department level time table is prepared accordingly. Detailed time table for year wise and division wise is displayed at departmental notice board. Along with the teaching load, all faculties are assigned with different portfolios on Institute and departmental level.

**Lesson Plan and Teaching Plan**

The syllabus section on SPPU website provides details of syllabus for all programs starting from First year to Final Year. Every faculty prepares course file which consist of academic calendars, syllabus structure-course outcome, individual time table, lesson plan, teaching plans, attendance sheet, continuous assessment record and notes. For each lab related subjects lab manuals and lab files are prepared by the faculty.

Lesson plan and teaching plan contains course outcomes, complete insight on syllabus, reference books and time interval to complete syllabus.

**Continuous Assessment**

Continuous assessment of an individual student for improving their subject understanding is done throughout the year. It is based on the unit test conducted after every unit and assignment given by the respective faculties. For better understanding of subject, students are provided with PPTs and videos as learning material for different subject.

**Academic Evaluation**

Principal evaluates academic progress with HOD for improvement in teaching learning process. Counseling of students is done by mentor for solving student's difficulties for improving students'

performance. Student progressions are informed to their parents and are invited to meet Subject In-charge and HODs for student evaluation.

Regular feedback is taken from different stakeholders such as alumni, parent, teacher, student and employer for adding value to existing system of teaching learning. Guest lectures, workshops, seminars and industrial visits are organized on regular basis for students to enhance their knowledge.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 1.1.2 Number of certificate/diploma program introduced during the last five years

**Response: 7**

#### 1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	0	2	1	1

File Description	Document
Details of the certificate/Diploma programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

**Response: 79.85**

#### 1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
53	21	11	3	0

File Description	Document
Details of participation of teachers in various bodies	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<b>1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</b>  <b>Response: 14</b>	
1.2.1.1 How many new courses are introduced within the last five years  Response: 57	
File Description	Document
Details of the new courses introduced	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
<b>1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</b>  <b>Response: 100</b>	
1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.  Response: 7	
File Description	Document
Name of the programs in which CBCS is implemented	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
<b>1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</b>  <b>Response: 16.25</b>	
1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years	

2017-18	2016-17	2015-16	2014-15	2013-14
101	49	20	22	27

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

### 1.3 Curriculum Enrichment

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

##### Response:

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

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

File Description	Document
Any Additional Information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years****Response:** 16

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 16

File Description	Document
Details of the value-added courses imparting transferable and life skills	<a href="#">View Document</a>
Brochure or any other document relating to value added courses.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**1.3.3 Percentage of students undertaking field projects / internships****Response:** 2.19

1.3.3.1 Number of students undertaking field projects or internships

Response: 7

File Description	Document
List of students enrolled	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**1.4 Feedback System****1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise****A.**Any 4 of the above**B.**Any 3 of the above**C.** Any 2 of the above**D.** Any 1 of the above

**Response:** A.Any 4 of the above

File Description	Document
Any additional information	<a href="#">View Document</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

#### **1.4.2 Feedback processes of the institution may be classified as follows:**

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

**B. Feedback collected, analysed and action has been taken**

**C. Feedback collected and analysed**

**D. Feedback collected**

**Response:** B. Feedback collected, analysed and action has been taken

File Description	Document
Any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average percentage of students from other States and Countries during the last five years

**Response:** 2.43

##### 2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	5	9	7	4

#### File Description

#### Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

#### 2.1.2 Average Enrollment percentage (Average of last five years)

**Response:** 56.36

##### 2.1.2.1 Number of students admitted year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
250	165	284	263	320

##### 2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
408	468	468	468	468

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)



**2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years****Response:** 30.53

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
76	51	91	64	64

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

**2.2 Catering to Student Diversity****2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

After admission of students, institute identifies student as slow learner and fast learner for improving academic performance of students.

The internal evaluation through tests assignments and external evaluation through university examination results gives idea about slow learner and advanced learner students.

Slow Learners: Different efforts taken by institute for slow learner are as follows:

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

Advanced learners: Different efforts taken by institute for advanced learners are as follow:

- Advanced learner students are motivated for participating in workshop seminars and different types of events.
- Advanced learner students are provided with carrier guidance for future advancement.
- Faculties ensure that students will get NPTEL Videos, PPTS and webinars and any other similar learning resources.

- Advanced learner students are participating in SAE BAJA, Sports events.
- Students are also enrolling for courses like, CREO, PLC, SCADA and ANDROID Programming for improving technical skills.
- Institute Library helps student with different types of journal, periodicals for improving learning level apart from existing curriculum.

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

### 2.2.2 Student - Full time teacher ratio

**Response:** 3.02

### 2.2.3 Percentage of differently abled students (Divyangjan) on rolls

**Response:** 0

#### 2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

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

**Response:**

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

#### **Experiential learning:**

Experimental learning is achieved by performing practical demonstrations on the different types of experimental setups for understanding the theoretical concepts.

Experimental learning is supported by number of Labs for different courses across all programs in the institute.

Based upon different courses frequent industrial visits are being arranged at various industries for exploring actual application of theoretical concepts.

**Participative learning**

Participative learning is achieved by making students to work in group rather than individual. Project is performed by students with 4-5 students which may enhance Participative learning.

Different activities and events such as seminars and guest lectures are arranged for students.

Social activities and events such as blood donation, tree plantation are arranged and students are encouraged for participating in these events.

**Problem solving methodologies**

Problem solving methodologies such as performing project which are giving solution to industrial problems. Another way of problem solving is achieved by means of class assignments, quizzes. The e-Learning resources such as NPTEL Videos and PPTs are also aids students for solving different problems.

Courses like CREO will enhance SOLID modeling skills whereas Android programming will help students for developing different software codes for variety of applications.

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

**2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.**

**Response:** 91.51

**2.3.2.1 Number of teachers using ICT**

**Response:** 97

File Description	Document
List of teachers (using ICT for teaching)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.3.3 Ratio of students to mentor for academic and stress related issues**

**Response:** 3.02

**2.3.3.1 Number of mentors**

**Response:** 106

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

### 2.3.4 Innovation and creativity in teaching-learning

#### Response:

The teaching learning process in class room is made innovative and creative through various efforts taken by teachers in the institute. During class room teaching for specific topic tricky questions are asked by students which helps students for thinking in different directions.

A group discussion or debate on some topic, Seminars, guest lecture, quiz, unit test and Industrial visit also makes learning process simple and creative. Guest lecturers or seminars from industry expert increase the awareness of students about state of art technological advances.

Teacher uses platform of ICT for improving students' performance in classroom. Through platforms like Google Classroom students are made available every e learning resources likes NPTEL videos, webinars for discussing different topics in lectures. Teacher use modern teaching aids like projector teaching purpose. Along with that use of PPTs and demonstrations make the classroom experience more effective. Use of models of objects such as gear, key and shaft gives insight about these concepts.

Simulation of problems under study through software's such as CREO, MATLAB, ANSYS and CAM improves the learning level of students.

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

## 2.4 Teacher Profile and Quality

### 2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

**Response:** 97.5

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>

### 2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

**Response:** 1.44

**2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	2	1	1

**File Description****Document**

List of number of full time teachers with PhD and number of full time teachers for 5 years

[View Document](#)

Any additional information

[View Document](#)**2.4.3 Teaching experience per full time teacher in number of years****Response:** 18.74**2.4.3.1 Total experience of full-time teachers**

Response: 1986

**File Description****Document**

Any additional information

[View Document](#)**2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years****Response:** 15.43**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
9	6	2	0	0

**File Description****Document**

Institutional data in prescribed format

[View Document](#)

e-copies of award letters (scanned or soft copy)

[View Document](#)**2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the**

**last five years**

**Response: 5.16**

#### 2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
9	9	5	5	2

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

**Response:**

Teaching learning system guidelines are laid down by Savitribai Phule Pune University for all the Undergraduate programs. The university is doing continuous evaluation of students by means of online examination, Insem examination, End sem examination and Oral or Practical examinations. The university has made provision of Term work marks which are given by institute under internal evaluation scheme. Along with this institute is also pulling efforts towards reforms in continuous internal evaluation system. The different means of Reforms in Continuous Internal Evaluation (CIE) Systems are as follow:

- Unit Tests: All departments are preparing unit test schedule and displayed on departmental notice board. The unit tests are conducted as per the schedule prepared. The unit tests papers are checked and marks are communicated to students.
- Practice Oral and Practical Evaluation: Since to build up confidence among students and achieve better performance in final oral, practical examinations practice sessions of oral and Practical are conducted.
- Assignments or Quizzes: Based upon available topics or selected topics of course every teacher prepares assignment questions or quizzes and given to students. These assignments are evaluated time to time.
- Project Assessment: Students are forming 4 to 5 student group and working on project concept. Every department take monthly review of different project groups and suggests improvements in their work.
- Continuous Assessment of Term Work: Evaluation of Term Work for various courses is performed based upon students' performance in Practical, attendance.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

#### Response:

Institute has taken steps towards making internal assessment transparent and robust in terms of frequency and variety.

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

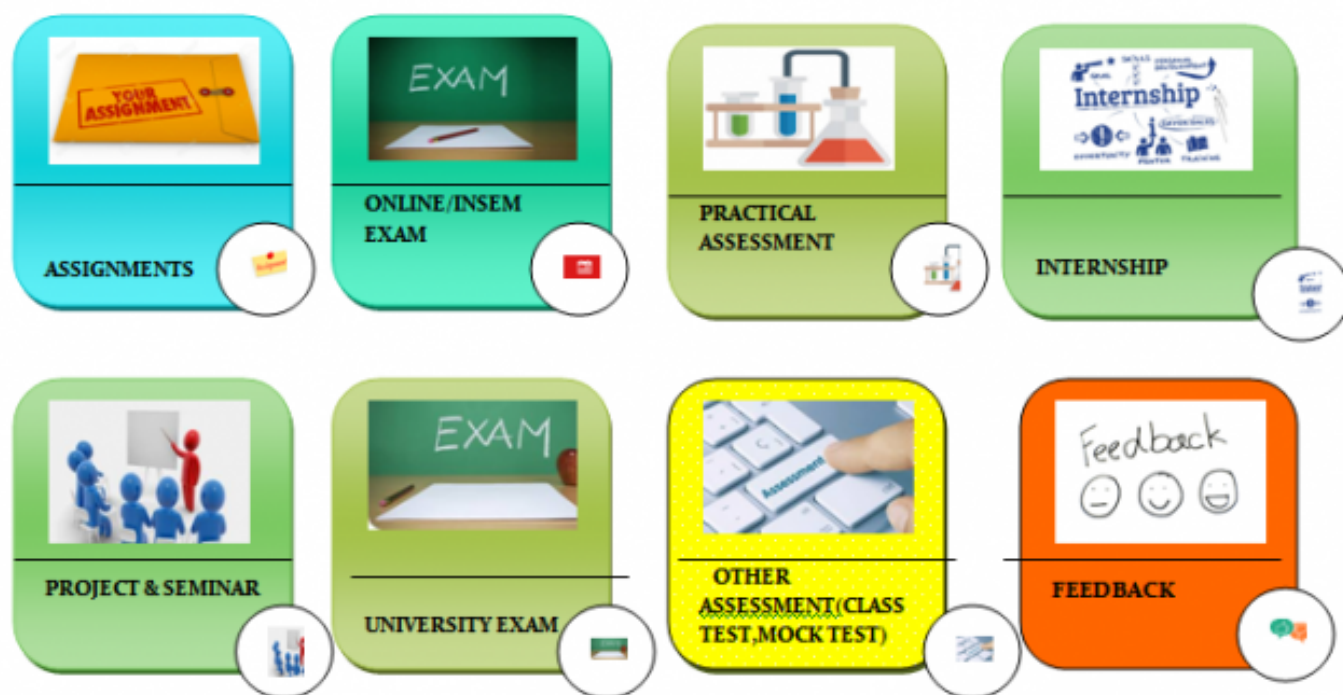
#### Internal Assessment Transparency:

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

#### Internal assessment robust in terms of frequency and variety

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





**Figure: Frequency of Assessment.**

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

#### Response:

Students may have grievances both for internal as well as university examinations. Institute has system for resolving these grievances transparently, efficiently and within less duration. As per the guidelines of Savitribai Phule Pune university institute had appointed Chief Examination Officer (CEO) smooth conduction of Online Examination, Insem Examination, End Sem Examination and Oral, Practical Examinations. The variety of grievances notified by students are as follow:

- Difficulty in Online form Submission.
- Repeating of same subjects in exam form
- Mismatch in Hall tickets.
- Change in marks in mark sheet
- Result hold in University
- Photocopy
- Rechecking



Aforesaid grievances are attended by student section team and resolved as early as possible.

After declaration of Results University has made provision of rechecking and photocopy of answers sheets for students through online application form to university by paying defined fees.

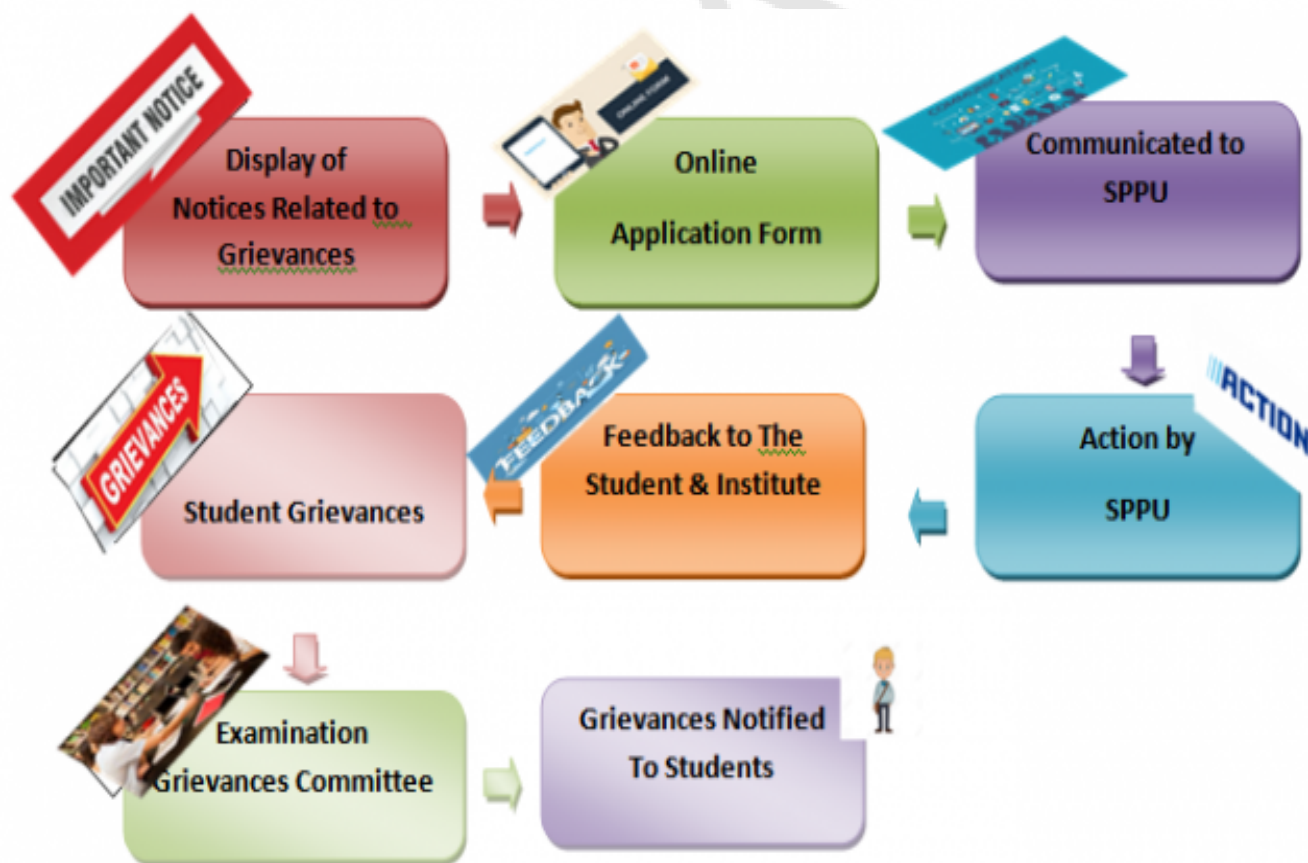
All these forms are submitted to university and approximately within 10 days students are receiving photocopy. The photocopy assemesemt can be once again challenged by students for reverification.

The changes in marks is communicated to students from university.

### Internal Examinations Grievances

If student reports, any grievance such as less marks in term work or other evaluation will be attended by respective head of department.

Head of department will discuss the issue with concerned teacher and action is taken for resolving the problem.



**Figure: Mechanism to Deal with Examination Related Grievances.**

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 2.5.4 The institution adheres to the academic calendar for the conduct of CIE

##### Response:

For improving system of Continuous Internal Evaluation institute follows academic calendar given by university.

Academic calendar gives idea about various activities and examinations for particular academic year. University gives academic calendar based upon that academic calendar institute, formulates Institute academic calendar. Institute Academic calendar is disseminated to all the concerned section heads.

Academic calendar is reviewed by every departmental head and department wise academic calendar is prepared and communicated to students and teachers. Teacher prepares course file accordingly.

Academic calendar consists of following points.

- Start of Academic Term.
- End of Academic Term.
- Examination dates of ORAL/ Practical and End Sem Examinations
- Number of Holidays.
- Internal Examination
- Industrial visits
- Guest Lecture/ Seminar
- Mock Oral and Practical

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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 on website and communicated to teachers and students**

##### Response:

Institute ensures that Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed at various locations of institute.

Displayed on college website and communicated to teachers and students by displaying at departmental notice boards.

Displayed at all laboratories, class room, departmental heads cabin and library etc.

Program outcomes, program specific outcomes and course outcomes are displayed in lab manuals, course files.

Program Outcomes (POs): Program Outcomes are nothing but graduate attributes that students acquire during four years of graduation program. POS are as follows:

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

Program Specific Outcomes (PSOs): Program Specific Outcomes are special qualities that student may acquire during graduation program.

Course Outcomes (COs): Course Outcomes are the attributes which student may acquire after studying specific course from different graduate programs.

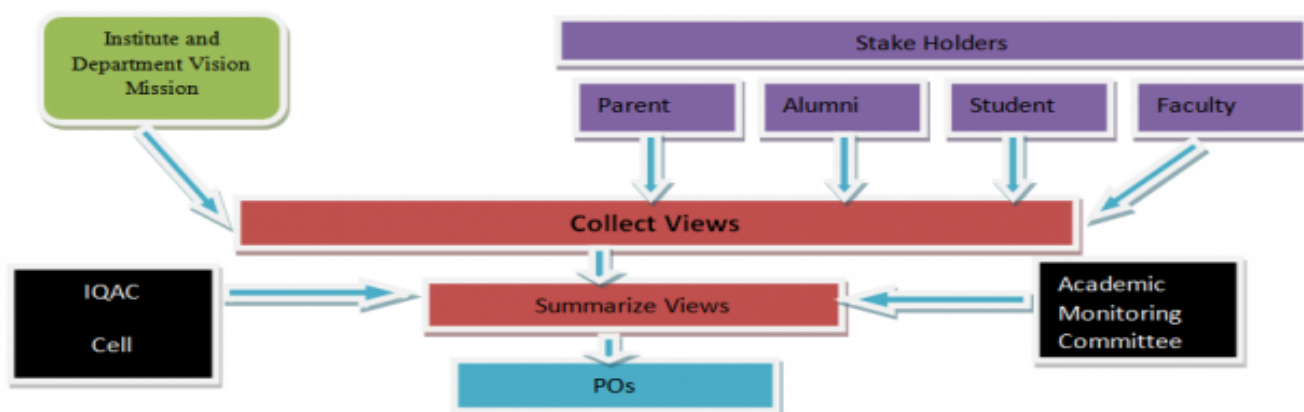


Figure: POs Formulation.

File Description	Document
COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

#### Response:

Institute has developed mechanism for Attainment of program outcomes, program specific outcomes and course outcomes at the end of each course.

First step is to formulate course wise course outcomes for all course. Then CO-PO-PSO mapping matrix is developed with 3 point scale where 3 is high, 2- Medium and 1- Low.

Next step is to use different assessment methods such as internal and external evaluation for attainment of course outcomes and PSO for each student.

Internal assessment tools consists of class test marks, assignment marks, while external assessment tools considered as Marks obtained in Online, In-Sem, End-Sem , Oral, Practical and Term Work examinations.

The excel sheet is prepared for entering above attainment marks and formulas applied which will give different values of attainment in percentage and these percentage ranges are stated as follow:

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

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

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

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

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students

**Response:** 64.83

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 94

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 145

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

## 2.7 Student Satisfaction Survey

**2.7.1 Online student satisfaction survey regarding teaching learning process**

**Response:**

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 0.77

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.5	0.273	0	0	0

File Description	Document
List of project and grant details	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.2 Percentage of teachers recognised as research guides at present**

**Response:** 0

3.1.2.1 Number of teachers recognised as research guides

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

**3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year**

**Response:** 0.09

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

**Response:** 4

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 221

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Funding agency website URL	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

#### Response:

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

Industry institution relationship works in the following areas: Industrial visits for students and faculties, Field and site visits of students. Students also have come up with innovations in the process of taking patents for their ideas.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

#### Response: 20

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	9	6	0	0

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during the last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

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

#### 3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

3.3.3.2 Number of teachers recognized as guides during the last five years

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>

#### 3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years



**Response: 0.33****3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
14	10	6	3	3

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

**3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years****Response: 0.34****3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
8	8	5	4	13

File Description	Document
List books and chapters in edited volumes / books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4 Extension Activities****3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years****Response:**

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

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

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

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

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

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

**Response:** 17

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
9	6	2	0	0

File Description	Document
Number of awards for extension activities in last 5 years	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

### 3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during

**the last five years****Response: 19**

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	5	7	1	0

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach programs conducted with industry,community etc for the last five years	<a href="#">View Document</a>

**3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years**

**Response: 34.15**

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
124	250	107	0	0

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>

**3.5 Collaboration**

**3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years**

**Response: 71**

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
23	19	12	10	7

File Description	Document
Number of Collaborative activities for research, faculty etc	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)**

**Response: 18**

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
8	5	3	2	0

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

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

**Land Availability:**

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

**Classrooms:**

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

**Laboratories:**

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

**Computational Facility:**

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

**Library:**

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

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

##### Response:

Alard institute has created facilities for different types of indoor and outdoor games and sports. The institute focuses on overall development of the students through co-curricular and extra-curricular activities. The students are participating into annual sports held within the institute and winner is awarded with prizes. This gives motivation to students for academic excellence along with regular teaching learning process.

Institute has made available ground for outdoor games like cricket, football, basketball, Volleyball and Kabaddi. Similarly indoor such as carom, chess and badminton are arranged at auditorium. Outdoor and indoor sports contribute significantly in grooming students. Qualities like leadership, team spirit, and competitiveness can be inculcated amongst the students through such sports activities.

For executing various cultural activities an auditorium with well-equipped sound system has been available.

Alard group of Institutes are going to expand and start Sports Academy in upcoming days.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:** 100

##### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

**Response:** 28

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	<a href="#">View Document</a>
any additional information	<a href="#">View Document</a>
Link for additional information which is optional	<a href="#">View Document</a>

#### 4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

**Response:** 11.8

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
17.67	27.75	55.86	31.88	27.96

File Description	Document
Details of budget allocation, excluding salary during the last five years	<a href="#">View Document</a>
Audited utilization statements	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

**Response:**

Library is automated with AutoLib NG Software. All the work related to issue and return has been computerized. All books are bar-coded. AutoLib NG software is a totally integrated software package encompassing all aspects of library management. Library software has facilities such as OPAC (Online Public Access Catalogue) which is used by students & faculty for search of books by title/ author name etc. This software purchased from Akash Infotech, Pune. They provide online & offline support for software problem, proper backup, and maintenance of software during annual maintenance contract period.

**Library Automation software details:-**

**Name of the ILMS software:-** Autolib NG

**Nature of automation:-** Fully automated

**Version:** NG ( New Generation)

**Name of service provider:-** Akash Infotech, Pune.

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

**Modules / Features of AutoLib NG Software:**

- Master setup
- Membership
- Acquisition
- Cataloguing
- Circulation
- OPAC
- REPORTS
- Stock Verification
- News Paper

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

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

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

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

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

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment**

**Response:**

Sr. No.	Title	Author	Publisher	No. of Cof Pub	Year



					opielicatio s n	
1	2013-14	Time Saver Standards For Architectural Design	Watson Donald / Crosbie Michael	MGH	1	2005
2		Pump Handbook	Karassik Iger	MGH	1	2008
3		Applied Process Design: For Chemical & Petro Chemical Plants Vol. 2	Ludwig, Ernest E	Elsevier	3	2009
4		Perrys Chemical Engineering Handbook	Green, Don W/ Perry, Robert H	MGH	1	2008
5		Industrial Noise Control: Fundamentals & Applications	Bell, Lewis H/ Bell, Douglas H	Marcel Dekker, Inc.	1	1994
6		Electric Power Engineering Handbook	Grig Sby, L L	CRC Press	1	2001
7		Unix Internals: The New Frontiers	Vahslia, Uresh	Pearson Education	1	2006
8		Gate Computer Science & Information Technology	Handa, A.		1	2014
9		Energy Management Handbook	Doty, Steve/ Turner, Wayne C.	CRC Press	1	2013
10		Design History, Theory & Practice Of Product Design	Burdek, Bernhard E.	Birkhauser Publishers for Architecture	1	2005
11		Emc For Product Designers	Williams, Tim	Elsevier	1	2013
12		Practical Modern Scada Protocols: Dnp3, Iec 60870.5 Related Systems	Clarke, Gordon/ Reynders, Deon	Newnes	1	2008
13		Securing Scada Systems	Krutz, Ronald L.	wiley	1	2004
14	2014-15	Jurans Quality Handbook: The Complete Guide To Performance Excellence	Juran, Joseph M./ De Feo, Joseph	MGH	1	2014
15	2015-16	Digital Evidence & Computer Crime: Forensic Science, Computers & The Internet	Casey, Eoghan	Elesiver Pub.	2	2015
16		Web Data Mining: Exploring Hyperlinks, Contents & Usage Data	Liu, Bing	Springer	1	2015
17	2017-18	Gurur se mukti: man ko apana guru na banaye	Sirshree Tejparkhi	Tej Foundation	Gyan	1 2011
18		Pahale ram phir kaam: bhakti shakti ramayan path	Sirshree Tejparkhi	Tej Foundation	Gyan	1 2015
19		Jeevan nayi kahani mrityu ke baad	Sirshree Tejparkhi	Tej Foundation	Gyan	1 2009
20		Anokha avatar: global aur lea der gum hanuman	Sirshree Tejparkhi	Tej Foundation	Gyan	1 2009
21		Niraakar: kul mul lakshya	Sirshree Tejparkhi	Tej Foundation	Gyan	1 2012
22		Dharmayog Ninety	Sirshree Tejparkhi	Tej Foundation	Gyan	1 2012
23		Kshama ka jaadu	Sirshree Tejparkhi	Manjul publishing House	1	2016
24		Samarpan ka adbhut rajmarg	Sirshree Tejparkhi	Tej Foundation	Gyan	1 2018

25	Sampurna Saphalata ka lakshya	Sirshree Tejparkhi	Manjul publishing House	1	2009
26	Mahapurusho ki kalam se: vishwa vicharak mahavakya	Sirshree Tejparkhi	Tej Foundation	Gyan1	2010
27	Geeta Sanyas: Karma Sanyas Yog	Sirshree Tejparkhi	Tej Foundation	Gyan1	2018
28	Final tool: adhyapan se mukti	Sirshree Tejparkhi	Tej Foundation	Gyan1	2012
29	Deeraj ka jaadu: santulit jeevan sangeet eight	Sirshree Tejparkhi	Tej Foundation	Gyan1	2012
30	Oraganic anubhav: apani kshamata pahchano	Sirshree Tejparkhi	Tej Foundation	Gyan1	2011
31	Karmyog ninety: har ek ki geeta alag hai	Sirshree Tejparkhi	Tej Foundation	Gyan1	2011
32	Son of Buddha	Sirshree Tejparkhi	Tej Foundation	Gyan1	2013
33	Ishwar hi hai tum koun ho yeh pata karo pakka karo	Sirshree Tejparkhi	Tej Foundation	Gyan1	2012
34	Aatm manobal prapt karane ki seven shaktiya	Sirshree Tejparkhi	Tej Foundation	Gyan1	2014
35	Karmjeevan sirshree aur aap	Sirshree Tejparkhi	Wow Pub. Pvt. Ltd	1	2010
36	Asaflta ka mukabla	Sirshree Tejparkhi	Tej Foundation	Gyan1	2016
37	Santo me sant tukaram maharaj	Sirshree Tejparkhi	Manjul publishing House	1	2017
38	Rishto me nayee roshani	Sirshree Tejparkhi	Tej Foundation	Gyan1	2007
39	Sunhara niyam	Sirshree Tejparkhi	Tej Foundation	Gyan1	2014
40	Dhyan diksha	Sirshree Tejparkhi	Tej Foundation	Gyan1	2010
41	Man:kaise bane man	Sirshree Tejparkhi	Tej Foundation	Gyan1	2007
42	Guruvani	Ramkrishna Kshirsagar	Tej Foundation	Gyan1	1999
43	Aalasavar maat: utasahi jeevanachi suruvat	Sirshree Tejparkhi	Tej Foundation	Gyan1	2013
44	Navvichar navnirmiti	Sirshree Tejparkhi	Tej Foundation	Gyan1	2006
45	Karmatma aani karmsindhant	Sirshree Tejparkhi	Tej Foundation	Gyan1	2007
46	Namamrut	Bhagwat Jayant	Tej Foundation	Gyan1	2004
47	Project Report	BE Students	ACEM, Pune		

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**4.2.3 Does the institution have the following:**

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

**Response:** B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)**

**Response:** 2.58

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.12	1.18	2.62	6.34	2.62

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.5 Availability of remote access to e-resources of the library

**Response:** Yes

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

#### 4.2.6 Percentage per day usage of library by teachers and students

**Response:** 14.55

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 62

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

### 4.3 IT Infrastructure

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

**Response:**

In ACEM all computers are connected with LAN and internet using CAT6 cables. It gives information

via connectivity of 100 Mbps to ACEM. ACEM is Wi-Fi enabled to enjoy the internet irrespective of where you are in the campus. The college usages ICT/ERP in improving efficient teaching learning process besides increasing the automation in administration

Institution always considers the suggestion and recommendation given by all stakeholders for the

necessary up gradation in IT facilities. Institution frequently updates the IT facilities including Wi-Fi like hardware, software and networking. Updated IT facilities are given as below.

#### Details of IT Facilities:

Sr. No.	IT Facilities	Prior	Existing		Upd.
1.	AutoLib Library Management SW with Barcode Scanner.	Nil	01		19/0
1.	“DELNET”	01	01 (Renewal)		07/0
3.	“NDL”	Nil	01		
4.	CCTV	Nil	25		16/0
5	Biometric Attendance System	Nil	01		08/1
6	Lease Line	16 MBPS	32 MBPS		30/0
7	Cyberoam Firewall	01	Nil		16/0
8	Wi-Fi facility (Router)	-	08		2
		09 (Icon Computer)	09		
		03 (Wireless router D-Link)	03		
	Network Updation	Star topology	Star topology		From est
9	IBM Server	01	01		2/0
10	Dell server T110 Xeon E3430	04	04		29/0
11	Internet switches (manageable)	02	02		29/0
12	Internet switches (Unmanageable)	08 (24 port)	08		29/0
13	Internet switches (Unmanageable)	08 (16 port)	08		29/0
14	Internet switches (Unmanageable)	08 (08 port)	08		29/0
15	Internet switches (Unmanageable)	05 (24 port)	05		
16	D Link 16 Port Switch	01	01		16/0
17	D Link 08 Port Switch	02	02		
18	Cannon Image Runner 2525 (Xerox Machine)	01	02		

#### Details of computing facilities:

Sr. No.	Item	Quantity
1	Desktop Computers	65 (HCL) + 130 + 12 (ACI Thinkcentre)
2	Servers	05
3	Laptops and notebooks	01
4	Laser Printer (B&W)	5 + 06 (HP LaserJet)

5	Dot Matrix Printer	1+ 4
6	Color Printers	02
7	LCD Projectors	4 (Toshiba) + 5
8	Scanners	02
9	Sound Card Blaster	22
10	Biometric machine	01
11	Head Phone Intex	22
12	Barcode Scanner (Library)	01
13	Digital fast copier cum printer	1
14	SATA 500 GB Hard Disk	05
15	USB Net Service Dlink	01
16	LAN Cable Tester	01
17	SMPS Volts	05
18	DVD R/W USB	02
19	Mouse USB U7	10
20	Keyboard U7	05
21	Crmpiny tool	01
22	Fizzible company Bealebone Blade, traffic Light, Graphics card- 1 GB, Stepper Motor	03
23	Innovative solution WSN kit for Fire Detection	01
24	Slave unit-89552 PCB adaptor, Xbee module, smoke sensor module	02
25	Dynolog India Ltd. Advanced 8086 microprocessor trainer with 40*2 line LCD display	05
26	Dynolog India Ltd. 8255 study card	02
27	Dynolog India Ltd. 8253 study card	02
28	Dynolog India Ltd. 8251 study card	02
29	Dynolog India Ltd. 8259 study card	02
30	Dynolog India Ltd. 8279 study card	02
31	Dynolog India Ltd. PIO ADC 01 PIO Based single channel A to D convertor card	02
32	Dynolog India Ltd. PIO DAC 01 PIO Based single channel D to A convertor card	02
33	Dynolog India Ltd. PIO based stepper motor	02
34	Dynolog India Ltd. Cable connetcor set with keyboard	05

**Details of Softwares:**

Sr. No.	IT Software	Prior	Existing	Update
1	Acenet 5.1 (Learner Version)	01	01	11/12

**Details of Perpetual Licenses Software:**

Sr. No.	IT Software	Details (QT)
1	Anitivirus (Quick Heal) (6*5 user Pack)	30 Users
2.	Operating System XP Prof. sp-3, sp-2, Vista KMS, Win 7-KMS	60
3.	Server 2008 std/32bit & 64bit	05
4	Mathcad	15
5	AV Net Protector	20

**Internet connectivity and Wi-Fi:** The institution has leased internet bandwidth of 32 Mbps. Campus is equipped with **Wi-Fi** facility with 07 Wi-Fi access point.

**Open source:**

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

#### 4.3.2 Student - Computer ratio

**Response:** 1.33

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

#### 4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

**>=50 MBPS**

**35-50 MBPS**

**20-35 MBPS**

**5-20 MBPS**

**Response:** 20-35 MBPS

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

#### 4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

**Response:** Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

### 4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

**Response:** 30.5

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
43.38	78.71	115.5	83.37	85.60

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	<a href="#">View Document</a>
Audited statements of accounts.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:**

The various physical, academic and support facilities such as laboratory, library, sports complex, computers, classrooms are provided by the Institute for student overall development and growth. It is very important to perform regular maintenance and repair activities for proper functioning of the institute.

Every year new committees are set up separately for Energy saving, Maintenance, Housekeeping and cleaning which monitor daily Activities. Along with these personnel are appointed by the Institute for proper functioning of the college for maintenance, furniture, transportation, generator shut down and computer repairment. For services like electricity, housekeeping, maintenance separate registers are maintained and is on regular basis is reported to higher authorities.

All the laboratories, classrooms and administrative offices are cleaned by means of team of housekeeping personals. Housekeeping activity at every lab is monitored by respective lab In-charges. All the head of various departments monitor maintenance of different equipment's, computer systems in all laboratories. The faculty team from other department comes for verification of stock in the lab for the available equipments and discarded equipments, by verification process.

Institute provides funds for purchase of consumable materials, new equipment's or repairs of breakdown machines or equipment's for every departments. Lab in-charge and lab assistant make sure that aforesaid requirement is submitted to departmental head and signed off from Principal for further action.



A proper procedure followed for purchasing of books, journals and e-journals. Each semester, faculties submit requisition for new books for both student and faculties through Head of the department. Requisition is processed for purchase once it is remarked by Principal.

All the different types of e-resources such as printer, scanner, computer, CCTV, LAN and servers are monitored for breakdown and repaired from college system administrator. Maintenance of Electrical brake down is performed by Electrician.

Security of institute is governed by Security forces by means of making inward and outward entry of staff and students entering and going out from college premises.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

**Response:** 27.89

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
76	51	91	64	64

#### File Description

#### Document

Upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

[View Document](#)

#### 5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

**Response:** 0.85

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
9	2	2	0	0

#### File Description

#### Document

Any additional information

[View Document](#)

#### 5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

- 3.Soft skill development
- 4.Remedial coaching
- 5.Language lab
- 6.Bridge courses
- 7.Yoga and meditation
- 8.Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

**Response:** C. Any 5 of the above

File Description	Document
Details of capability enhancement and development schemes	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

#### 5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

**Response:** 63.47

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
93	184	214	149	133

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years****Response:** 1.37**5.1.5.1 Number of students attending VET year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
12	3	1	2	1

File Description	Document
Details of the students benefited by VET	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases****Response:** Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 14.37**5.2.1.1 Number of outgoing students placed year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
53	27	38	18	21

File Description	Document
Details of student placement during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.2.2 Percentage of student progression to higher education (previous graduating batch)

**Response:** 1.38

#### 5.2.2.1 Number of outgoing students progressing to higher education

Response: 2

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education	<a href="#">View Document</a>

### 5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

**Response:** 60

#### 5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	1	1	0	0

#### 5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	1	1	0	0

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

#### 5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

**Response:** 60

5.3.1.1 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-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
26	19	7	2	6

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>

#### 5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

**Response:**

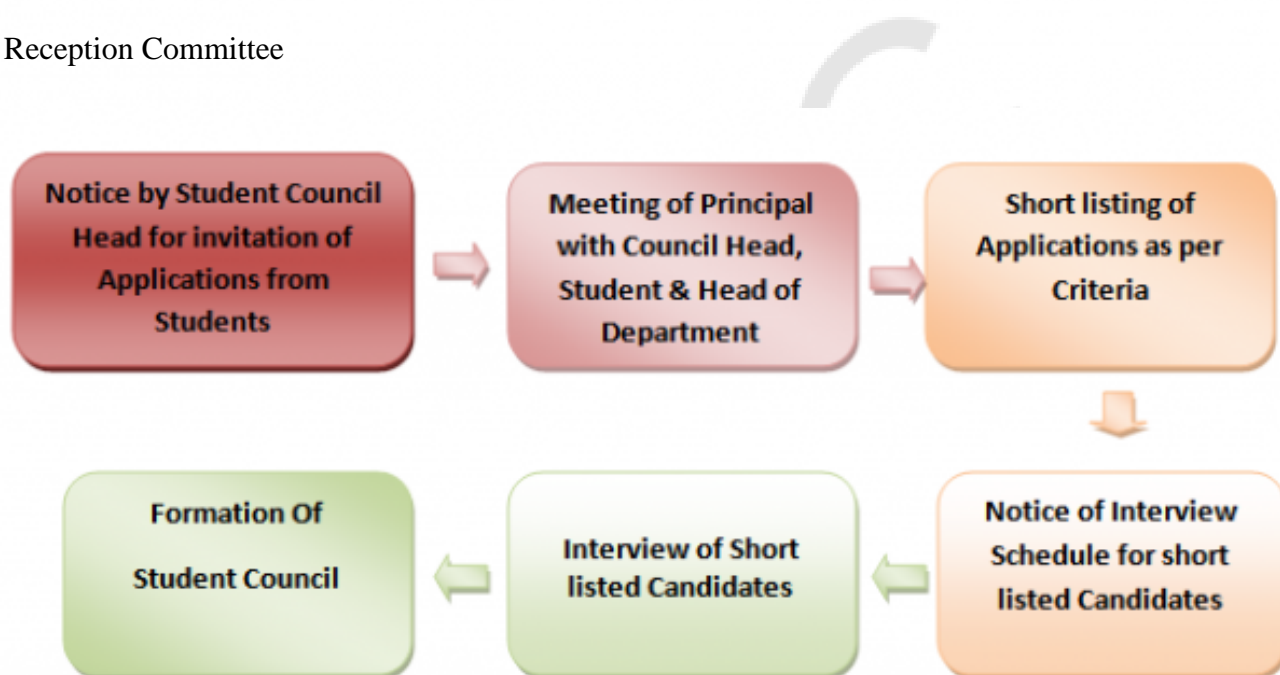
The progress of institute is not only depends upon infrastructure, physical facilities, and teachers but also on active participation of students at various levels of academic bodies or committees. The institute is involving students at various events, activities or annual functions such as cultural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

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

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

1. Women's Grievance Redressal

2. Anti- ragging Committee
3. Sports committee
4. Cultural committee
5. Canteen committee
6. Stage committee
7. Discipline Committee
8. Reception Committee



**Figure: Mechanism for Formation of Student Council.**

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

**Response:** 26.6

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise

during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
42	18	36	19	18

File Description	Document
Report of the event	<a href="#">View Document</a>
Number of sports and cultural activities / competitions organised per year	<a href="#">View Document</a>

## 5.4 Alumni Engagement

**5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years**

**Response:**

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

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



File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 5.4.2 Alumni contribution during the last five years(INR in Lakhs) ? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

**Response:** <1 Lakh

File Description	Document
Any additional information	<a href="#">View Document</a>
Alumni association audited statements	<a href="#">View Document</a>

#### 5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

**Response:** 9

##### 5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	3	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

##### Response:

##### Vision

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

##### Mission

- To be renowned as institute of international repute.
- Shaping nations economy by providing technocrats and entrepreneurs.
- Imparting outcome and skill based Technical education.
- Enhancing abilities of common masses by developing research attitude, values and skills required for engineering excellence thus contributing in nation building.

Governing Body (GB) and Local Management Committee (LMC) have been constituted for the effective governance and management of the institute. Vision, mission, quality policies and goals are designed by Governing Body and implemented by institute, reviewed time to time by Local Management Committee (LMC). The GB approves the budget recommended by LMC. For academics the organization depicts the flow of authority and the functions of various coordinators. The institute prepares and conducts various activities such as seminars and workshops within the academic calendar of the institute. There are different activity coordinators for the activities like academic coordinator, training and placement, examination Incharge (Chief Examination Officer) etc are appointed. Objectives of perspective plan of the institute is to impart quality teaching and learning process, innovative research methodologies, upgradation in modern state-of-the-art laboratory facility. Further improving interaction with industry and also preparing students for becoming future leader in Engineering community. The strategies employed by the college to improve the qualities are as follows:

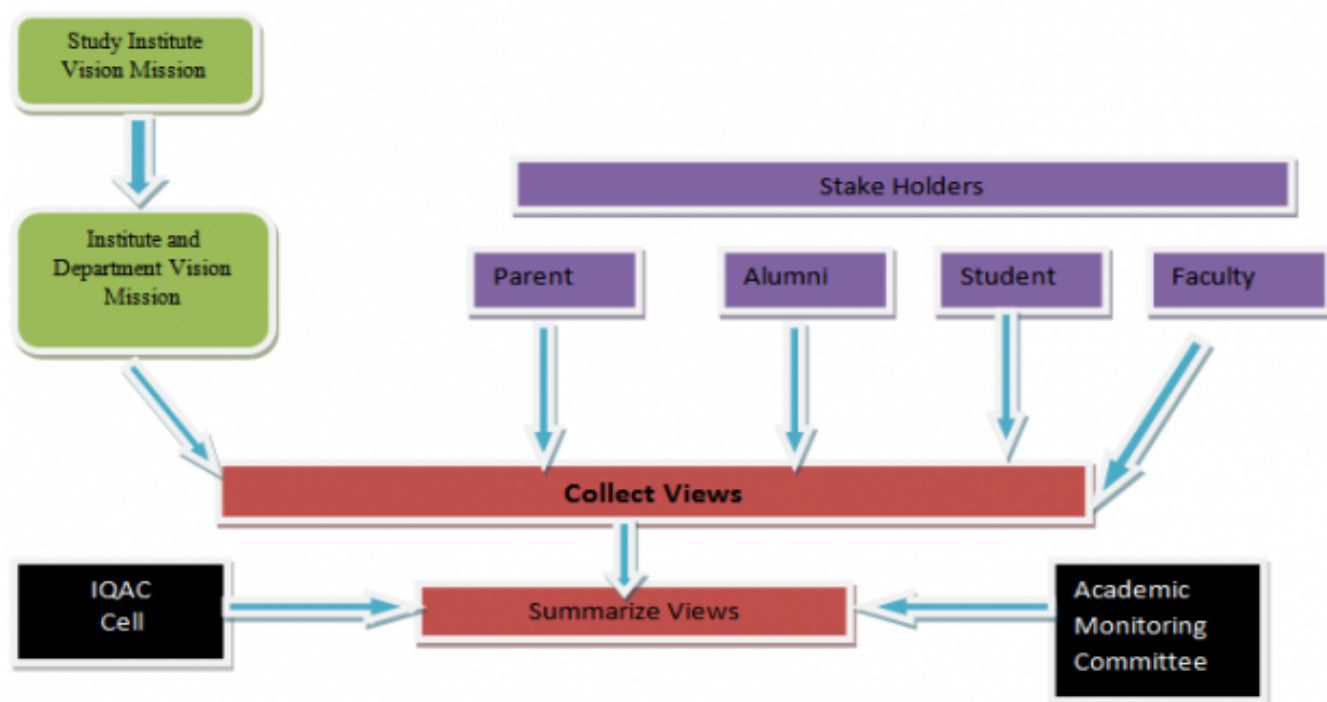
**Teaching and learning:** The faculty members are also motivated to use innovative tools like e-learning, and LCDs. Interdepartmental coordination Feedback from the students is to improve teaching methodology. Industrial visits are arranged to explore student to corporate culture and practical aspects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

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

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

QIP sports scheme of SPPU, Pune. Organizing various programs such as personality development .

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



**Figure: Vision, Mission and Quality Policies.**

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.1.2 The institution practices decentralization and participative management

#### Response:

Institute always believes and promotes a culture of participative management at all levels. The principal conducts regular meetings and involves all the staff and students in decision making wherever possible.

The principal ensures participation of all the staff through decentralized administration by forming various committees. That is successfully implemented by our institute based Performance Appraisal System (PAS). There are some assessment parameters outlined to optimize the performance of faculties through calculation

of Performance Indicator (PI).

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

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

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

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



**Figure: Academic Monitoring Committee (AMC) Procedure.**

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

**6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution****Response:**

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

Competition/conferences/seminars/workshops in the form of poster and oral presentations. Students are motivated to participate in techfest competition, which includes different events. This leads to development of scientific temperament by interaction between faculty and students.

The faculties undertake interdisciplinary research as a part of their doctoral studies for upgradation of skills, knowledge and qualification.

Furthermore, faculties and students brought accolades to the institute by presenting their research work at national and international conferences and thus institute appreciate their success in the form of incentives and appreciation letter.

Mentors guide postgraduate (PG) students to write research manuscript of their research work in well reputed scientific journals, this instills and nurture the ability of PG students to understand scientific writing skills.

Linkages with neighboring institutes of repute and communities improve the competencies of faculty both in research and teaching-learning.

Collaborations with local agencies result in exposure of leads to opening of tremendous scope for research on various issues. These collaboration enabled students and faculty members to interact and develop contacts with personnel from diverse field.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>

**6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism**

**Response:**

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

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

Anti Ragging Committee controls ragging practices at institute since, Anti Ragging Committee is framed based upon the AICTE procedure.

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

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

Cultural activities are planned and successfully performed by cultural committees.

Institute ensures recruitment of teaching and non-teaching staff based upon requirement, by giving advertisement in news papers

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

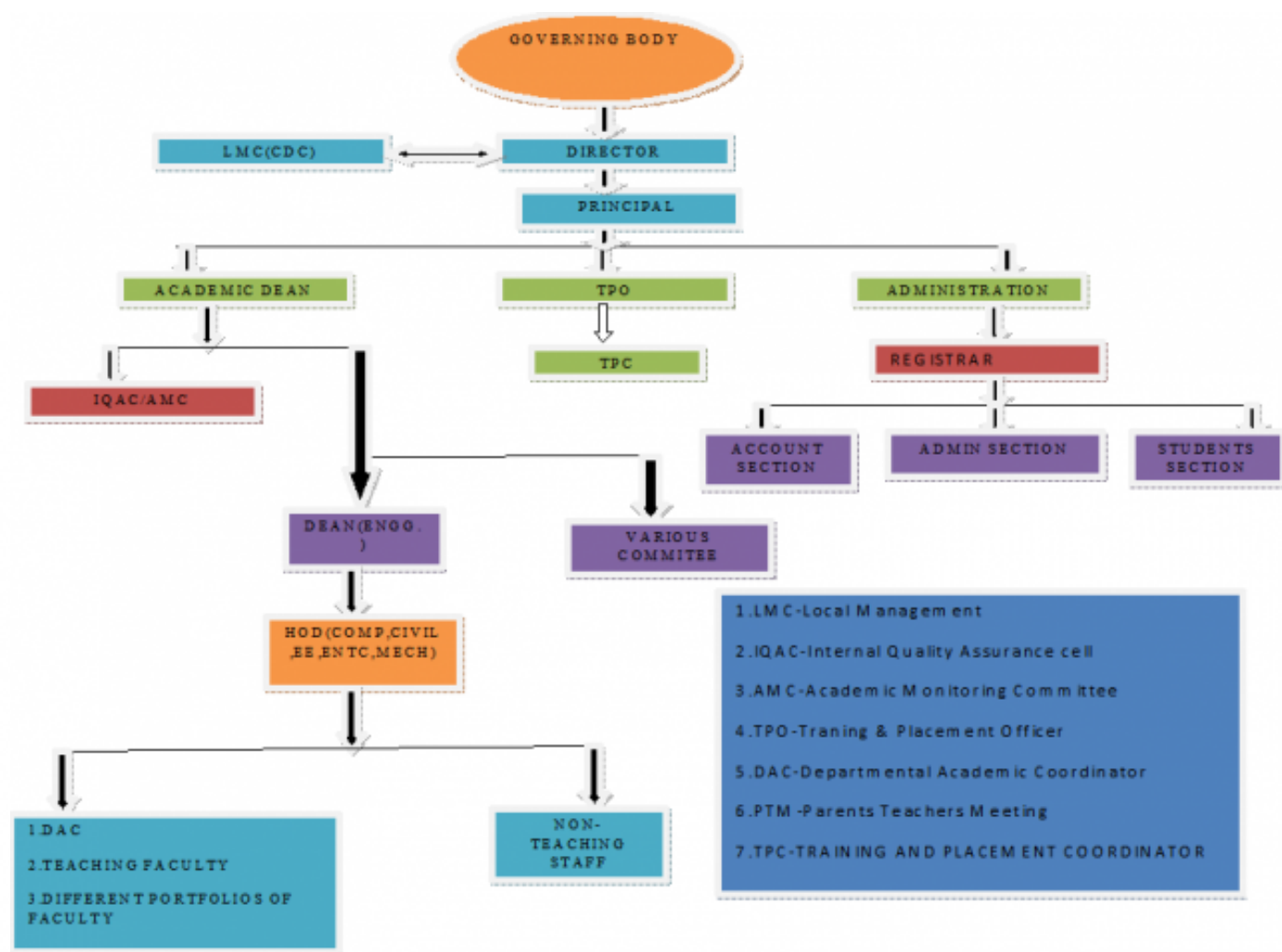


Figure: Organogram of Institute.

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

### 6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

- A. All 5 of the above
- B. Any 4 of the above
- C. Any 3 of the above



**D. Any 2 of the above****Response:** C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions****Response:**

Local Managing Committee Meeting		
Sr. No.	Agenda of the meeting	Action taken
1	NAAC preparation	It was decided to conduct. <ol style="list-style-type: none"> <li>1. System development in all departments.</li> <li>2. committee formation for nba/ naac</li> <li>3. Website improvement</li> <li>4. Alumini formation.</li> </ol>
2	Faculty recruitment as per cadre ratio.	<ol style="list-style-type: none"> <li>1. principal presented the requirement of faculty as per cadre ratio for the next academic year.</li> <li>2. All the members discussed the reason for the requirement of faculty in different department and insisted the faculty turnover has to be minimum in future.</li> <li>3. Faculty recruitment has to be done immediately so that college can start with full fledged functioning.</li> </ol>
3	Budget provision	<ol style="list-style-type: none"> <li>1. it was decided to prepare and sanction the budget for next academic year ( 2017-18) depending upon the need of college.</li> <li>2. It was decided to maintain proper guidelines during the preparation of the budget and maintain of losses was also resolved during the meeting. It was decided to conduct the theory and practical exam nov 2017-18 of university of pune as per the norms of university of pune. Budget has been approved by management.</li> </ol>
4	Review of academic year 2017- 18	1. Approval of the faculty has been sent to ug and pg follow up to be done.

		2. Seminars and conference should be organized for students for there improvement and performance.
		3. As per new syllabus equipments and books to be purchased.
		4. Informed everyone to provide suggestion for improvement of acem.
4	Academic monitoring	1. There is need to constantly monitor the syllabus coverage as well as the quality of teaching for which the principal should make surprise visit to the classes. 2. Syllabus coverage report are to be taken by hod's on regular basis.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3 Faculty Empowerment Strategies

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

##### Response:

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

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

Maternity leave is provided to female staff.

Employees are getting advance payment upto 10000/

The children of both teaching and non-teaching staff are getting admission in Alard International Public school at concession rate of fees

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

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

Yoga and meditation activity is organized by the institute

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

**Response:** 1.27

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

2017-18	2016-17	2015-16	2014-15	2013-14
3	1	0	3	0

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

**Response:** 4.8

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	10	6	0	0

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

**Response:** 3.1

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	9	5	1	0

File Description	Document
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development programs during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

**Response:**

Institution has performance appraisal system for teaching and non-teaching staff based upon Academic Performance Indicator (API) System. Aim of appraisal system is to improve the technical knowledge and skills of teachers.

Teachers are asked to fill performance appraisal form and are evaluated by respective departmental HODs. Principal reviews all the performance appraisal forms and gives feedback.

The performance appraisal is based upon various parameters such as

Number of subject taught

No. of classes taken theory

No. of classes taken Practical

Student attendance in classes theory and practical

University Result of subject

Use of ICT	
Students Feedback	
Research Publications	
Administrative Duties Performed	
Workshop/Conference/Seminar/STTP/FDP Attended	
<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

#### Response:

Accounts are audited regularly by certifies Chartered Accountant appointed by the management. The accounting committee looks after the financial audit and it is presented to the certified Chartered Accountant. Funds received from reservation are required to distribute all the students in their account. This account is also verified and audited by government regularly. The last external audit was done in 2017-18 completed in the last week of March 2018 and no major objections were raised during the audit.

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

### 6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

#### Response: 2.13

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.53	0.78	0.40	0.21	0.21

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

##### Response:

Institute is receiving primary funds from student's fees hence institute has developed effective strategies for mobilization of this available fund and also effective utilization of financial resources.

Annual income and expenditure budget is prepared for every year and funds are allocated for various heads of expenditures.

The some of the heads of expenditures are as follow:

Income: Fees from students.

Salary Expenses: Teaching and Non-teaching Staff Salary

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

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

Other expenses, any other expenses

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

Repair and Maintenance of Laboratories and Consumables

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

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

**Response:**

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

Internal Quality Assurance Cell (IQAC) aims for continual improvement in academic as well as administrative functions.

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

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

**Two initiatives taken through IQAC**

**1. Reuse of Paper initiative:** Through this scheme people are motivated towards use of minimum amount papers for academic activities. One aspect consists of using ones side pages for printing rather than use of new A4 printing papers. This also saves cost of stationary at institute.

**2. Fun and Learn initiative:** Another initiative taken as a part of IQAC is called as Best Project. In this system the projects performed by final year students are evaluated. The three projects are selected as best project based upon there concept, innovative idea and applications.

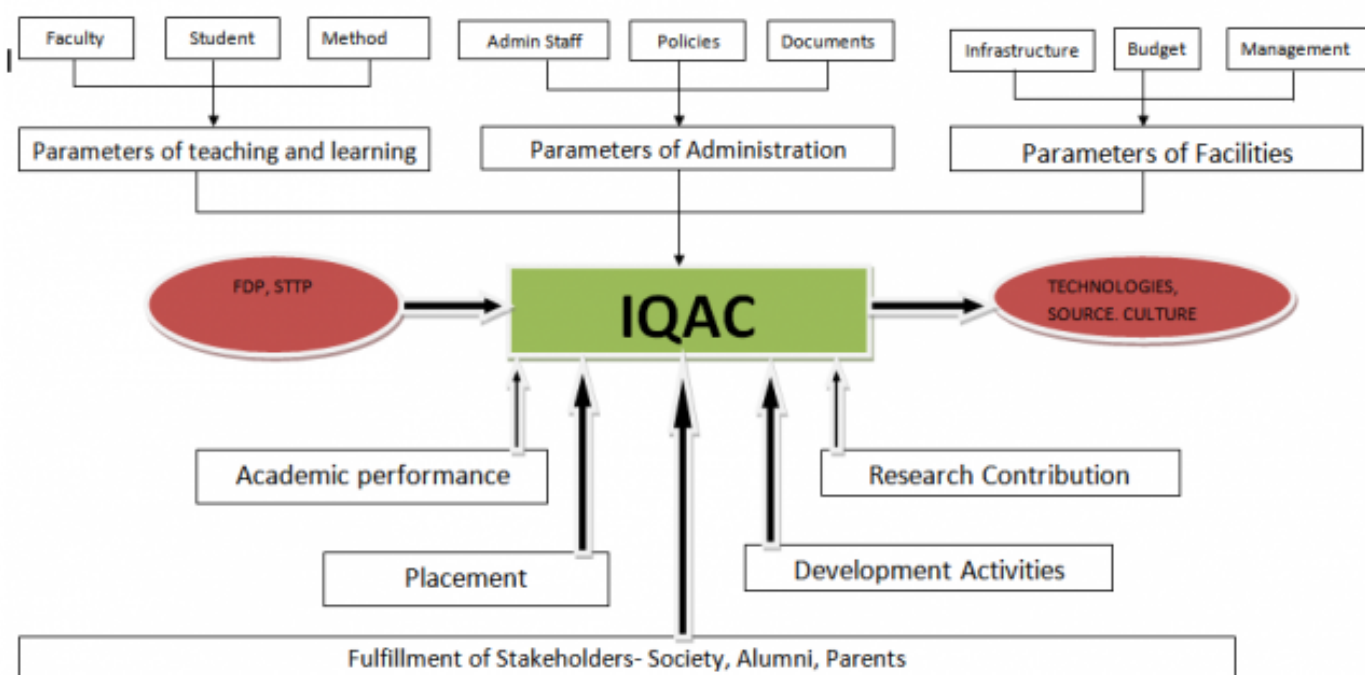


Figure: IQAC Strategies and Processes.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

#### Response:

IQAC cell monitors and take review of teaching learning process in the Institute. IQAC is headed by Principal and other members such as Dean Academics, Heads of the department, Alumni and industrial member.

Based upon University academic calendar institute academic calendar is prepared and communicated to all the departments and administrative sections.

Every department then prepare department level academic calendar. IQAC cell ensures that activities planned in academic calendar are executed for every class and from every faculty.

Before formulation of IQAC cell , the institute has internal Academic Monitoring Committee (AMC) comprising of Principal, all Head of Departments and senior faculty members. The AMC monitors teaching learning processes, structures & methodologies of operations and learning outcomes at periodic intervals as per norms of institute.

Two examples of institutional reviews and implementation of teaching learning reforms facilitated by the



IQAC:

**1. Department Library:** The institute has come up with concept of Departmental library. Every department has departmental library. It consists of all the reference books, project reports etc.

This facility motivates students for reading habits and use of technical knowledge for practical examination etc.

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

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

### 6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

**Response: 7.4**

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	9	7	6	7

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.5.4 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
- 2.Academic Administrative Audit (AAA) and initiation of follow up action**
- 3.Participation in NIRF**
- 4.ISO Certification**
- 5.NBA or any other quality audit**

**A. Any 4 of the above**

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

**Response:** C. Any 2 of the above

File Description	Document
e-copies of the accreditations and certifications	<a href="#">View Document</a>
Details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.5.5 Incremental improvements made during the preceding five years (in case of first cycle) Post accreditation quality initiatives (second and subsequent cycles)**

**Response:**

Particulars	13-14	14-15	15-16	16-17	
Teaching Learning Approach	MCQ based teaching learning for SE as exam structure changed in SPPU.	MCQ based teaching learning for SE as exam structure changed in SPPU.	Student centric approach for syllabus case study	Student centric approach for syllabus case study	St
Evaluation forms	Unit test, Mock practical, oral exam	Slow learners classes introduced, Unit test, Mock practical, oral exam	Slow learners classes introduced, Unit test, Mock practical, oral exam	Slow learners classes introduced, Unit test, Mock practical, oral exam	Slow
Teaching Learning methodology	Traditional method- BlackBoard	Traditional method- BlackBoard , Used LCD projectors	Traditional method- BlackBoard , Used LCD projectors	Provided Digital Course contents	Pr co th clas NP
Academic monitoring	Feedback from students	Feedback from students and Assigned Faculty Mentor for each 10-20 students	Feedback from students and Assigned Faculty Mentor for each 10-20 students	Feedback from students and Assigned Faculty Mentor for each 10-20 students	Fe s As M 1
Academic and administrative	Established Internal committees for	Established Internal committees for	Established Internal committees for	Established Internal committees for	Est

performance	monitoring, AMC	monitoring, AMC	monitoring, AMC	monitoring, AMC	
Skill Development	DELNET facility provided to explore technical skills	DELNET facility provided to explore technical skills	DELNET facility provided to explore technical skills	Conducted project competition in campus	Conducted project competition in campus
Teacher student contact hours	As per hours given in SPPU syllabus	Extra classes as compared to SPPU syllabus hours	Faculties are available through social media – whatsapp group	Faculties are available through social media – whatsapp group	Faculties are available through social media – whatsapp group
Infrastructure improvement	10Mbps Bandwidth	10Mbps Bandwidth	20Mbps Bandwidth , CCTV surveillance	20Mbps Bandwidth , CCTV surveillance	32Mbps Bandwidth , CCTV surveillance
Non-Technical skill development	Cultural festival	Cultural festival	Cultural festival	Cultural festival	Cultural festival
<b>File Description</b>			<b>Document</b>		
Any additional information			<a href="#">View Document</a>		

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

**Response:** 3

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	2	0	0	0

File Description	Document
Report of the event	<a href="#">View Document</a>
List of gender equity promotion programs organized by the institution	<a href="#">View Document</a>

#### 7.1.2

##### 1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

**Response:**

##### 1. SAFETY AND SECURITY:

The institution provides all possible types of safety and security to students irrespective of gender. It also provides safety by maintaining a record of all entries and exits of visitors regularly at the entrance. The institution campus including main gate, corridors, examination sections, main entrance, canteen and library are monitored by CCTV cameras. Anti ragging committee is constituted. Anti ragging squad is vigilant and conducts regular inspection. The anti ragging committee has 11 members and anti ragging squad has 7 members which include teaching and non-teaching staff. Institution has Women Grievance Cell / Internal Complaint Committee which conducts the awareness programs for ladies staff and girls students on International women's day every year.

The institution has separate boys and girls hostel with capacity of 117 and 75 respectively. Separate male/female wardens and security guards are deployed to boys/girls hostel respectively. Students need special permission and intimation to warden for late reporting after 9pm in the hostel. Additional safety precautions are taken by monitoring through CCTV camera installed in the hostel premises.

A separate consulting room is provided with basic medical facilities. First aid box is available in common places in the institution. The institution has a tie-up with "Ruby Hall Clinic", Pune with ambulance facility for emergency medication. Bus transport facility is available for commutation.

Fire extinguisher is installed in the institution at security gate.

## 2. COUNSELING:

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

## 3. COMMON ROOM:

Separate girl's common room and boy's common room facilities are available in the institution.

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

### 7.1.3 Alternate Energy initiatives such as:

#### 1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 0

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

7.1.3.2 Total annual power requirement (in KWH)

Response: 32

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	<a href="#">View Document</a>

### 7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 3.44

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 1036.8

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 30182.4

File Description	Document
Details of lighting power requirements met through LED bulbs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**7.1.5 Waste Management steps including:**

- Solid waste management
- Liquid waste management
- E-waste management

**Response:**

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

**Energy conservation:**

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

**SOLID WASTE MANAGEMENT:**

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

**LIQUID WASTE MANAGEMENT-**

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

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

### 7.1.6 Rain water harvesting structures and utilization in the campus

#### Response:

Due to increase in Global warming water resources are reducing day by day which results in decreasing the amount of rainfall. For our water requirements, we entirely depend upon rivers, lakes and ground water. However, rain is the ultimate source that feeds all these needs. Rain may soon be the only source of clean water, so for conserving water Rain Water Harvesting is the only efficient and simplest methods to collect water for further usage.

Rain water harvesting is collection and storage of rain water that runs off from roof tops, parks, roads, open grounds, etc. The rainwater then can be stored or utilised in different ways or directly used for recharge purposes.

Our Institute is very much aware about the technique that, rain water harvesting is one of the most effective methods of water management and water conservation. The institution has installed a rain water harvesting system in the campus. The rain water from roof of building B (Entrance), building C (Admin) and natural south side slopes near B-building flows into bore wells. The institution has 3 bore wells in the natural ditch of size 200m X 10m X 10m. The rain water percolates in these bore wells which increases the ground water level. Drip irrigation is also implemented for gardening and conserving the water. The rain water harvesting system provides approximate 11,76,000 litres of water for domestic and drinking purpose.

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

### 7.1.7 Green Practices

- Students, staff using
  - a) Bicycles
  - b) Public Transport
  - c) Pedestrian friendly roads
- Plastic-free campus
- Paperless office
- Green landscaping with trees and plants

#### Response:

Students and staff using,



- Public Transport
- Plastic free campus
- Green landscaping with trees and plants

The institute has maintained greenest environment on its naturally eco-friendly campus by planting good number of trees and plants. Every care is taken to ensure that carbon emissions are kept to lowest level. Plantations, Lawns, gardens have been specially developed and are maintained most green.

**Energy Audit:** The Electrical Engineering department has been carrying out energy audit of the entire campus, for past two years. Results and the conclusions have been drawn and submitted to management for consideration.

**Maximized usage of day-light:** The rooms are constructed in such a manner that maximum daylight should be received in class rooms and laboratories. Assessment of daylight availability and its optimum utilization is done regularly.

**Public Transport:** College take initiative to use public transport for that they display notice on notice board for advantage of the faculty and student to use public transport.

**Plastic free campus:** For less use of plastic for that college organize plastic awareness program among public and college also as “Say No to Plastic Bags”.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

**Response:** 2.44

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
7.0	6.34	4.20	5.31	1.23



File Description	Document
Green audit report	<a href="#">View Document</a>
Details of expenditure on green initiatives and waste management during the last five years	<a href="#">View Document</a>

#### 7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

**Response:** C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
link to photos and videos of facilities for Divyangjan	<a href="#">View Document</a>

#### 7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

**Response:** 3

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	0	0

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

**Response: 2**

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	0	0	0	0

File Description	Document
Report of the event	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.12

**Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff**

**Response: Yes**

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

#### 7.1.13 Display of core values in the institution and on its website

**Response: Yes**

File Description	Document
Provide URL of website that displays core values	<a href="#">View Document</a>

**7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations**

**Response:** Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**7.1.15 The institution offers a course on Human Values and professional ethics**

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide link to Courses on Human Values and professional ethics on Institutional website	<a href="#">View Document</a>

**7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions**

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide URL of supporting documents to prove institution functions as per professional code	<a href="#">View Document</a>

**7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years**

**Response:** 23

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony

and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	5	5	4	4

File Description	Document
List of activities conducted for promotion of universal values	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

##### Response:

Institution organizes national festivals and birth / death anniversaries of the great Indian Personalities

1. Institute celebrates Veermata Jijabai and Swami Vivekananda Jayanti on 12 Jan.
2. Institute celebrates Shiv Jayanti every year on 19 Feb.
3. Institute celebrates Republic day and Independence Day every year.
4. Institute Celebrates Dr. Sarvpalli Radhakrushnan Birth Aniversary as Teachers Day-05 Sept.
5. Institute Celebrates International Yoga day-21 Jan.
6. Institute Celebrates Dr.A P J Abdul Kalam birth Anniversary as Wachan Prerna Divas on 15th October.
7. Institute Celebrates Sawitribai Phule Jayanti on 3rd Jan .

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

#### 7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

##### Response:

The institution maintains transparency in financial functions by doing financial audit annually from the third party. The provision of budget is made for all the events like foundation day, sports and cultural events, guest lectures, industrial visits, etc. prior to organization of events. The institute also maintains transparency in faculty recruitment by giving its advertisement in newspaper and recruit the respective faculties in each department.

Department wise academic calendar is available before commencement of academic year for administrative purpose and is displayed on the departmental notice board. In each department Feedback from students about faculties are taken regularly, which helps for effective mechanism of institute. Each department maintains transparency by updating purchase order of equipments. Departments also maintain transparency among students by displaying the lesson plan of each subject on the departmental notice board, so that the students should prepare about the topic before attending the classes. In this way the institute maintains complete transparency in all aspects.

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

## 7.2 Best Practices

### 7.2.1 Describe at least two institutional best practices (as per NAAC Format)

#### Response:

#### Best Practice -1

##### TITLE: FUN AND LEARN

#### Objective:

- 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****TITLE: 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 quoted below:

- Car Pooling
- Usage of CFL lamps
- E-Statements/E-Bills
- Paperless Office – On an average an employee uses 10,000 sheets of paper every year. Organizations can start transforming towards a paperless office to conserve paper.

To promote maximum utilization of e resources for record generation and storage in the institute

2. Electronic solutions like mailing have been emphasized.
3. All the study materials and notes are provided to the students by Google group
4. Notices and circulars are circulated among faculty members through whatsapp.
5. Printouts are taken on already printed papers, by using the other blank side to make optimum use of papers.

### **Evidence of Success:**

1. Activity reports, records have been prepared on one sided papers.
2. It has been observed that paper issued to the faculty members have reduced.
3. Now a days our faculties uses digital technology especially elder people, admin staff uses Gmail, whatapp to communicate other.
4. Records reveal that average usage of papers previously was around 30 rims in three months, but after using paperless institute, it was only 10 rims were used in three months.
5. One tree makes 17 rims of A-4 papers. According to that, we are saving minimum 120 rims in one year.

### **Problems encountered and resources required:**

Due to old habit of using good paper for printing of every document the task was difficult, but convey & motivation of staff about the cause has made them aware of e-resource for communication.

Training and guidance is provided for utilizations of e-resources to supporting staff.



**Figure: Fun and Learn.**

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 7.3 Institutional Distinctiveness

#### 7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

##### Response:

*“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.

Sr. No.	Year	Name of the Student	Name of the award/ medal	Game	National/ International	AAD number
1	2013-14	Ulka Ghosalkar	Participation certificate	Handball	State	91690
2		Ulka Ghosalkar	1st prize	Roll ball	District	91690
3		Ulka Ghosalkar	1st prize	Handball	District	91690
5		Sudhakar Ronanki	Participation	Volleyball	National	81043
6	2014-15	Sudhakar Ronanki	First Position	Volleyball	State	33148
7		Mane Deepak	Participation	Cricket	Intercollege sport	43415
8		Sahin Pirjade	First Position	Volleyball	State	28350
9		Sudhakar Ronanki	Participation	Volleyball	State	81043
10	2015-16	Santosh Gaikwad	Winner	Basket ball	State	37315
11		Santosh Gaikwad	Winner	Volleyball	State	37315
12		Sahin Pirjade	Winner	Volleyball	State	28350
13		Sudhakar Ronanki	Second Prize	Volleyball	State	81043
14	2015-16	Uday Patil	Participatio	volleyball	Intercollege competition	58181
15		Sahin Pirjade	First Position	Volleyball	State	28350

16		Umed Mote	Winner	Volleyball	National	47902
17		Sudhakar Ronanki	First Position	Volleyball	State	81043
18		Umed Mote	Best Smasher	Volleyball	National	47902
19		Sudhakar Ronanki	Second Prize	Volleyball	State	81043
20		Umed Mote	Winner	Volleyball	State	47902
21		Sudhakar Ronanki	Second Position	Volleyball	International	81043
22		Mane Deepak	Winner	Volleyball	State	33148
23		Sahin Pirjade	Winner	Volleyball	National	28350
24	2016-17	Sahin Pirjade	Winner Team	Volleyball	National	28350
25		Umed Mote	Excellent performance	Volleyball	State	47902
26		Umed Mote	First Position	Volleyball	State	47902
27		Omkar Gujar	Winner	Carrom single	College	71224
28		Omkar Gujar,		Carrom Doubles		71224
30	2016-17	Adrash Mane	Winner		College	71514
31		Abhilash Jadhav	Particiaption	Football	National	48304
32		Giridhar salunkhe		Carrom Doubles		DSE1
33		Pawan magdum	Winner		College	DSE1
34		Shubham Adhude and team	Winner	Cricket	College	71647
35		Uday Sawant and team	Winner	Kabaddi	College	71514
36		Uday Sawant	Winner	Waterpolo	National	71514
37		Kaunsale Balaji	Participation	Volleyball	State	DSE1
38		Vaibhav Dhage	Participation	Volleyball	State	71838
39		Vaibhav Dhage	Participation	Volleyball	State	71838
40		Vaibhav Dhage	Participation	Volleyball	State	71838
41		Vaibhav Dhage	Participation	Volleyball	State	71838
42		Pranav Shiporkar	Participation	Volleyball	State	71838
43		Pranav Shiporkar	Participation	Volleyball	State	71838
44		Pranav Shiporkar	Participation	Volleyball	State	71838
45		Sudhakar Ronanki	First Position	Volleyball	State	81043
46		Umed Mote	Winner	Volleyball	State	47902
47		Sudhakar Ronanki	First Position	Volleyball	State	81043
48		Santosh Gaikwad	Winner	Volleyball	State Level	37315
49		Umed Mote	Best Defender	Volleyball	State	47902
50		Mane Deepak	Winner	Volleyball	State Level	33148
	2017-18					

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 5. CONCLUSION

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### Additional Information :

The Institute has state of the art infrastructure, well qualified, experienced and skilled faculty members. In line with student centric policy of the institute, we focus on enhanced teaching learning process with emphasis on extra and cocurricular activities for holistic development of students. The unique features of the institute are evident from the following initiatives:

1. Excellent academic track record of students in university examinations.
2. The institute has signed MOUs with industries, research organizations and foreign university like University of Australia, iCollege Ltd.
3. The institute provides facilities for hands on various softwares and takes initiatives to encourage students for other extra-curricular activities.
4. The institute has taken a step towards green imitative by installing Water Treatment Plant, Rain water harvesting and solar system.

### Concluding Remarks :

Alard college of Engineering and management in its objective of becoming an Institute of national repute, initiated the activities to accomplish milestones in the process. Hence it is decided to get accredited. Accreditation helps us to improve the different quality parameters and work on to achieve excellence in terms of quality with continuous improvement. The vision and mission of the institute are precisely defined considering the techno economic development of society.

All the affairs of the institute are governed by the policies formulated by the Governing Body, Internal Quality Assurance Cell, Academic Monitoring Committee and various institute level committees. The Institute has adopted policy of decentralization of work to maintain harmony among the concerned. The decision making process at the Institute level is initiated by the Principal and is finalized after brainstorming sessions with HODs, Administrative Head, Section in-charges and coordinators of various committees.

The overall governance and implementation of student centric policies lead to multidimensional development of the student.