

SELF STUDY REPORT

(SSR)

FOR NAAC ACCREDITATION OF



Holy-wood Academy Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

**(Affiliated to Shivaji University, Kolhapur, Approved by AICTE, New Delhi)
Panhala 416 112**

SUBMITTED TO

**NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL (NAAC), BANGALORE**



Vision

SETI to educate to excel in social transformation

Mission

To inculcate academic excellence in pursuit of technical education and
to strive hard for good academic results and placements

To attract **nurture** and retain the best faculty and technical manpower

To develop **holistic** personality of students to be a **responsible** citizen
with ethical values

To promote industry institute interaction for employability and
entrepreneurship

Quality Policy

We promise a conducive environment to our faculty, staff and students to
realize the vision.

Environment Policy

Green Sanjeevan, clean Sanjeevan

Quality Objectives

1. To enhance Professional skills and ideas
2. To cultivate fraternal spirit amongst teachers and staff
3. To bring about effective linkage between industry, institute, society
4. To develop healthy and ethical attitude among student towards work and life
5. To emphasize in education for development of attitude, knowledge and skill for entrepreneurship and self employment
6. To provide opportunities through education to rural and deprived sections of society

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1. PREFACE

SETI is approved by AICTE, New Delhi and affiliated to Shivaji University, Kolhapur, was established in 2009 and managed by famous Sanjeevan Public School Panhala. The institution is the realization of the vision of our Chairman to cater quality technical education to students from hilly rural area. The college is located at the historical foot hill of Panhala fort. The institute is committed to produce all round engineers to drive the country through 21st Century.

All the programmes, those run by institute have qualified and experienced faculty, state of art laboratories, library and internet infrastructure. Five batches have been passed out since the inception. The majority of the alumni are at higher position in various reputed organizations and many of them have become successful entrepreneurs. The far sighted educational vision of the management has given a sense of direction to the development of the institute. Applying for accreditation by NAAC is an effort towards bringing continuous quality enhancement at SETI. The preparations of the self study report (SSR) of institute have put up a light on the strengths and weaknesses of the institution. This retrospection has helped SETI to build its strengths. We, at Sanjeevan family are working together to envision our goals.

Dr. G.V. Mulgund
Principal

2 A) EXECUTIVE SUMMARY

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE (SETI) is an establishment of Sanjeevan, meets the needs of technology driven modern 21st Century. The Institute is approved by All India Council for Technical Education, New Delhi, recognized by Directorate of Technical Education, Govt. of Maharashtra and affiliated to Shivaji University, Kolhapur. Sanjeevan Engineering & Technology Institute (SETI) is long cherished dream of Founder-Chairman Mr. P. R. BHOSALE, an Educationalist having experience about two decades. His aim is to impart quality education to the students from nook and corner of the country. No doubt, Sanjeevan Engineers will be the best professionals with added values of Indian Heritage. The institute offers six UG programs in engineering. Out of which Civil Engineering, Computer Science & Engineering, Electronics & Telecommunication Engineering, and Mechanical Engineering were started in June 2009 and Electrical Engineering, Automobile Engineering were started from June 2010.

The institute offers two PG Programs viz. M.E. Mechanical (Design Engineering), M.E. E&TC from June 2015. Apart from that DTE M.S. has permitted to start polytechnic courses in shifts viz. Mechanical Engineering & Electrical Engineering.

The institute is having intake of 360 at First year level and 120 intake capacity to Direct Second Year for the UG programs. The PG intake capacity for both the programs is 36 in numbers while as Polytechnic is having 120 intake capacity.

The Campus is spread across 5.16 hectors with built up area 21,848.05 sq.m. and is situated in rural atmosphere with hilly areas at the foot step of Historical Panhala Fort which is about 25 kms. on the northern side of Kolhapur, Maharashtra State, INDIA. The state-of-the-art infrastructure includes spacious and well equipped classrooms equipped with audio-visual aids, adequate laboratories, modern workshop, digital library and 24x7 Wi-Fi enabled campus and other amenities. Sanjeevan family is committed for Green Sanjeevan & Clean Sanjeevan.

2 B) SWOC Analysis

Methodology :

A SWOC Analysis was carried out internally with the help of few advisors keeping in view the vision map of the institution. The HODs, coordinators, faculty and students were interviewed and a report on the findings was prepared. The SWOC analysis was conducted by having brainstorming sessions at the department level and institute level involving all stakeholders.

The major findings of the SWOC analysis are listed below:

Strength:

1. State of art Laboratories
2. Young, dynamic , experienced and qualified faculty
3. Good infrastructure to promote sports and extra-curricular activities
4. Supportive, proactive management
5. Strong team culture
6. Green and historical location of campus
7. Strong education support facility

Weakness:

1. Inadequate and low merit student enrollment
2. Need of more training programmes for Placement of students
3. Less involvement in university governance
4. Less faculty having Ph.D. qualification.

Opportunities:

1. Developing the industry institute interaction
2. Promoting students for higher education, Entrepreneurship and research
3. Establishing association with IIT's , NIT's and other premium research institutes
4. Inculcate the culture of higher studies , research and publication among the faculty
5. Increase in community based skill development programs

Challenges:

1. Attract meritorious students
2. Attract and retain highly qualified faculty
3. Enhance employability of students
4. Awareness of research culture among faculty
5. Admission trend based on vicinity due to increased number of technical institutes
6. Rapid growing technology

1. PROFILE OF THE AFFILIATED/CONSTITUENT COLLEGE

1. Name and Address of the College:

Name:	Holy-Wood Academy's, Sanjeevan Engineering and Technology Institute	
Address:	Somwarpeth, Panhala Dist: Kolhapur	
City:	Pin: 416201	State : Maharashtra
Website:	www.seti.edu.in	

2. For Communication:

Designation	Name	Telephone With STD code	Mobile	Fax	Email
Principal	Dr. Mulgund G. V.	O:(0231) 2686601 R:	9146999500	(0231) 2686627	principal@seti.edu.in
Chief Coordinator	Mr. Kulkarni R. S	O:(0231) 2686600 R:(02342)221 078 R:(023	9146999503	(0231) 2686627	raghunath.kulkarni@seti.edu.in
Steering Committee Coordinator	Mr. Koli G. C.	O:(0231) 2686600 R:(02342) 221078	9146999513	(0231) 2686627	gajanan.koli@seti.edu.in

3. Status of the Institution:

Affiliated College

Constituent College

Any other (specify)

4. Type of Institution:

a. By Gender

i. For Men

ii. For Women

iii Co-education

√
√

b. By Shift

i. Regular

ii. Day

iii. Evening

√

5. It is a recognized minority institution?

--

Yes

No

√

If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence.

--

6. Sources of funding:

Government

Grant-in-aid

Self-financing

Any other

√

7. a. Date of establishment of the college: 15/06/2009

b. University to which the college is affiliated/or which governs the college
(If it is a constituent college)

Shivaji University,

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i.2(f)	--	--
ii.12(B)	--	--

(Enclose the Certificate of recognition u/s 2(F) and 12(B) of the UGC Act)

d. Details of recognition / approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i. AICTE	UG Programme: Mechanical Engineering, Civil Engineering, E& TC Engineering , CSE Engineering	15/06/2009	1 Year	Approval to be Renewed Annually
ii. AICTE	UG Programme: Electrical Engineering, Automobile Engineering	23/08/2010	1 Year	Approval to be Renewed Annually
iii. AICTE	UG Programme: Mech.(Direct Second Year) E&TC (Direct Second Year)	10/05/2012	1 Year	Approval to be Renewed Annually
iv. AICTE	PG Programme: Mechanical (Design Engg.) E&TC Engg.	10/05/2012	1 Year	Approval to be Renewed Annually
v. AICTE	Polytechnic Mechanical Engineering Electrical Engineering	04/06/2014	1 Year	Approval to be Renewed Annually

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes

☒

NO

☐

If yes, has the College applied for availing the autonomous status?

Yes

☐

NO

☒

9. Is the college recognized?

a. by UGC as a College with Potential for Excellence (CPE)?

Yes

☐

NO

☒

If yes, date of recognition: (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes

☐

No

☒

If yes, Name of the agency

..... and Date of recognition:

..... (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location*	Rural and Hilly Area
Campus area in sq.mts.	51600.00 (Excluding Residential area)
Built up area in sq.mts.	21848.05

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- ✓ Auditorium/seminar complex with infrastructural facilities
- ✓ Sports facilities
 - ✓ Play Ground
 - ✓ Swimming pool
 - ✓ Gymnasium
- ✓ Hostel
 - Boys" Hostel
 - i. Number of hostels – 4
 - ii. Number of inmates – 280
 - iii. Facilities – recreational facilities, Bachelor's furniture, study table, Battery Back Up (UPS) etc.
 - ✓ Hostel
 - Girl's Hostel
 - i. Number of hostels – 1
 - ii. Number of inmates – 100
 - iii. Facilities–Facilities–recreational facilities, Bachelor's furniture, study table, Battery Back Up (UPS) etc.
 - Working Womens" Hostel
 - i. Number of hostels – 0
 - ii. Number of inmates – 0

- Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise): Not Available
- ✓ Cafeteria -
- ✓ Health Centre- First aid, emergency facility, ambulance
- ✓ Health center staff-

Qualified Doctor	Full time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Part-time		
Qualified Nurse	Full time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Part-time		

- ✓ Facilities like banking (ATM of BOI available), ~~post office~~, book shops
- ✓ Transport facilities to cater to the needs of students and staff
- ✓ Biological waste disposal: Adequately available
- ✓ Animal house Available (Horse stable)
- ✓ Generator or other facility for management/regulation of electricity and voltage
- ✓ Solid waste management facility
- ✓ Waste water management facility: Waste water is utilized by nearby farmers for farming various crops Water harvesting

12. Details of programmes offered by the college (Give data for current

academic year)

SI. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1.	Under-Graduate Regular	Mech Engg	4 Years	10+2 (HSC)	English	60+3	26+2
2.		Civil Engg	4 Years	10+2 (HSC)	English	60+3	23+3
3.		E&TC Engg	4 Years	10+2 (HSC)	English	60+3	06+00
4.		CS & Engg	4 Years	10+2 (HSC)	English	60+3	27+03
5.		Elect. Engg.	4 Years	10+2 (HSC)	English	60+3	11+03
6.		Auto. Engg.	4 Years	10+2 (HSC)	English	60+3	12+03
Total						360+18	105+14
7.	Direct Second Year	Mech Engg	4 Years	Diploma	English	45	45
8.		Civil Engg	4 Years	Diploma	English	54	54
9.		E&TC Engg	4 Years	Diploma	English	57	15
10.		CS & Engg	4 Years	Diploma	English	45	20
11.		Elect. Engg.	4 Years	Diploma	English	56	51
12.		Auto. Engg.	4 Years	Diploma	English	60	22
13.		Mech. Engg.Lateral	4 Years	Diploma	English	60+3	60+3
14.		E&TC lateral	4 Years	Diploma	English	60+3	11+3
Total						437+06	278+06
15.	Post-Graduate	Mech. Engg	2 Years	B.E.(Mech)	English	18	15
16.		E&TC Engg	2 Years	B.E.(Mech)	English	18	02
Total						36	17
17.	Polytechnic	Mech. Engg.	3 Years	S.S.C.	English	60	27
18.		Elect. Engg.	3 Years	S.S.C.	English	60	26
Total						120	53

13. Does the college offer self –financed Programmes?

YES



NO

If yes, how many?

UG 06 , PG 02 & Polytechnic 02

14. New programmes introduced in the college during the last five years if any?

Yes	<input checked="" type="checkbox"/>	No		Number	PG 02 & Dip 02
-----	-------------------------------------	----	--	--------	----------------

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Engineering	Mechanical	B.E	M.E	--
	Civil	B.E	--	--
	Electronics & Telecommunication	B.E	M.E	--
	Computer Science	B.E	--	--
	Electrical	B.E	--	--
	Automobile	B.E	--	
Polytechnic	Mechanical	Diploma	--	--
	Electrical	Diploma	--	--

16. Number of Programmes offered under (Programme means a

degree course like BA, BSc, MA, M.Com...)

a. annual system

--

b. semester system

08

c. Trimester System

--

17. Number of Programmes with

a. Choice Based Credit System

--

b. Inter/Multidisciplinary Approach

--

c. Any other (specify and provide details)

--

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes

☐

NO

☒

If yes,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)

i. and number of batches that completed the programme

b. NCTE recognition details (if applicable) Notification No.:

i.Date:
.....(dd/mm/yyyy)

ii. Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education

i. Programme separately?

Yes

☐

No

☒

19. Does the college offer UG or PG programme in Physical

Education?

Yes

No

☒

If yes,

- a. Year of Introduction of the
 programme(s)..... (dd/mm/yyyy)
 and number of batches that completed the programme

- b. NCTE recognition details (if applicable)

Notification

No.:

.....

Date:

.....(dd/mm/yyyy)

Validity:.....

- c. Is the institution opting for assessment and accreditation of
 Physical Education Programme separately?

Yes

No

☒

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff		Other	
	Professor		Associate Professor		Assistant Professor							
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/ University/State Government	09	-	21	-	78	-	-	-	-	-	*02	-
<i>Recruited</i>	01	-	-	-	53	07	-	-	-	-	01	-
<i>Yet to recruit</i>	08	-	21	-	25	-	--	--	--	--	01	-
Sanctioned and recruited by the Management at Institute Level <i>Recruited</i>	-	-	-	-	18	05	51	01	20	01	#01	-
<i>Yet to Recruit recruit</i>	08	-	21	-	07	02	-	-	-	-	*01	-

***M-Male *F-Female**

* Phy. Director & Librarian #

T & P Officer

** 23 numbers of Assistant Professors appointed as additional recruitment in view of dearth of qualified and eligible candidates for higher posts

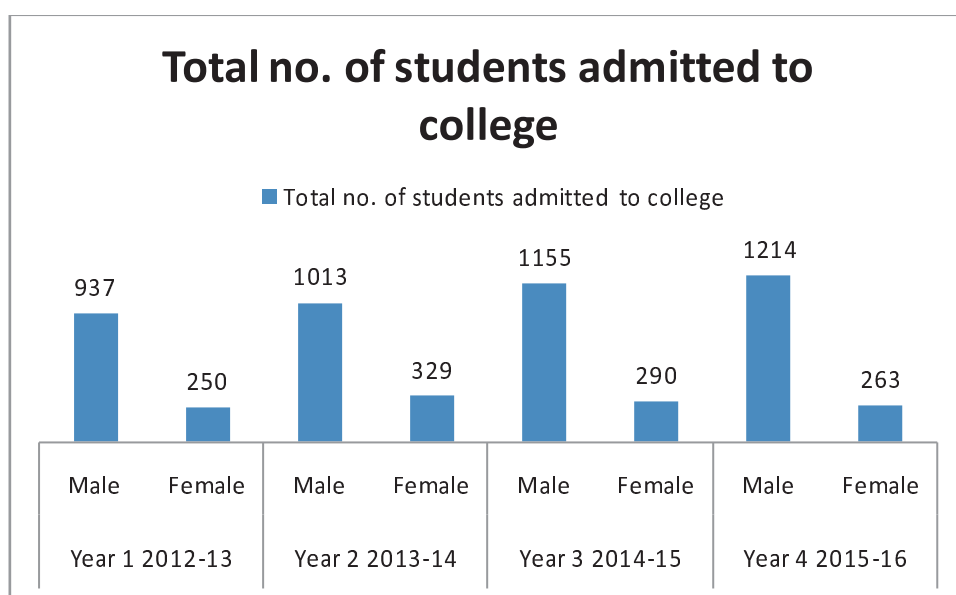
21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	01	--	--	--	01	--	02
M. Phil.	--	--	--	--	--	--	--
PG	--	--	04	01	48	06	59
Temporary teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	02	01	03
PG	--	--	--	--	21	05	26
Part-time teachers							
Ph.D.	--	--	--	--	--	--	--
M. Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

22. Number of Visiting Faculty/Guest Faculty engaged with the College.

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year 1 2013-14		Year 2 2014-15		Year 3 2015-16 (Including PG)		Year 4 2016-17	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	48	06	63	09	77	14	67	19
ST	00	00	00	00	00	00	01	00
OBC	171	27	228	46	190	38	156	34
General	646	166	649	148	665	161	804	205
Others	148	130	215	87	282	50	92	16
Total	1013	329	1155	290	1214	263	1120	274



24. Details of students enrollment in the college during the current academic

year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same State where the college is located	1456	21	--	--	1477
Students from other states of India	00	00	--	--	--
NRI students	00	00	--	--	--
Foreign students	00	00	--	--	--
Total	1456	21	--	--	1477

25. Dropout rate in UG and PG (average of the last two batches) UG 8.78%
PG 00%

26. Unit Cost of Education

(Unit cost=total annual recurring expenditure (actual) divided by total number of students enrolled)

(a)including the salary component

Rs.

(b)excluding the salary component

Rs.

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

No

☒

If yes,

a) is it a registered centre for offering distance education programmes of another university?

Yes

No

☒

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes ☐ No ☒

28. Provide Teacher-student ratio for each of the programme/course offered

Name of the program	Teacher to student Ratio at actual
Mechanical Engineering	1:23 (UG), 1:8.5 (PG)
Civil Engineering	1:16.61
Computer & Science Engineering	1:13.18
Electronics & Telecommunication Engineering	1:18.41 (UG), 1:04 (PG)
Automobile Engineering	1:14
Electrical Engineering	1:17
Overall	1:16.17 (UG), 1:7(PG)

29. Is the college applying for

Accreditation : Cycle ☒ 1 Cycle ☐
2
Cycle 3 ☐
Cycle 4 ☐

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: (dd/mm/yyyy)

Accreditation Outcome/Result..... Cycle 2:

(dd/mm/yyyy) Accreditation Outcome/Result..... Cycle 3:

..... (dd/mm/yyyy) Accreditation Outcome/Result.....

*** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

31. Number of working days during the last academic year.

280

32. Number of teaching days during the last academic year
(Teaching days means days on which lectures were engaged excluding the examination days)

180

33. Date of establishment of Internal Quality Assurance Cell (IQAC) IQAC
01/09/2015 (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC

Not Applicable on account of cycle 1

AQAR (i) (dd/mm/yyyy) AQAR

(ii) (dd/mm/yyyy) AQAR

(iii) (dd/mm/yyyy) AQAR

(iv) (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information) ----

- Automobile, Electrical and Mechanical Engineering UG students are consistently University Rankers

CRITERIA WISE ANALYSIS:

CRITERION I : CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1. State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

SETI to educate to excel in social transformation

Mission

- To inculcate academic excellence in pursuit of technical education and to strive hard for good academic results and placements
- To attract **nurture** and retain the best faculty and technical manpower
- To develop **holistic** personality of students to be a **responsible** citizen with ethical values
- To promote industry institute interaction for employability and entrepreneurship

Quality Policy

We promise a conducive environment to our faculty, staff and students to realize the vision.

Environmental Policy

Green Sanjeevan, clean Sanjeevan

Quality Objectives

1. To enhance Professional skills and ideas
2. To cultivate fraternal spirit amongst teachers and staff
3. To bring about effective linkage between industry, institute, society
4. To develop healthy and ethical attitude among student towards work and life
5. To emphasize in education for development of attitude, knowledge and skill for entrepreneurship and self employmen
6. To provide opportunities through education to rural and deprived sections of society

The Mission, Vision and Quality Policy of the institute are published/displayed at

- all prominent locations of the campus
- Institute website <http://www.seti.edu.in>
- Academic Diaries
- Notice boards
- Laboratory Write ups

Apart from this, Vision, Mission and Quality Policy are disseminated to all the stakeholders of the programs through faculty meetings, student awareness workshops, student induction programs, and parent meetings.

1.1.2. How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Institute is affiliated to Shivaji University Kolhapur and follows the Curriculum prescribed by the BoS at the University for different Programs. However, Institute plays a role in the development of the curriculum by participating in the proposal, drafting and finalizing of the curriculum. Institute has a structured strategy plan and meticulously follows this for the effective implementation of the curriculum.

Action plan: The institution meticulously develops action plans for effective implementation of the curriculum. At the outset, the Academic Core Committee (ACC) of the college conducts meetings with the various department heads to develop strategies for effective implementation of the curriculum. Teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, apart from regular/traditional chalk and talk methods. The detailed process is as given below:

Class room learning:

- Academic calendar is made available to all in line with university and AICTE guidelines.
- Head of department (HOD) allots academic work load in consultation with the faculty.
- Class timetable is prepared and displayed before commencement of semester.
- All faculties prepare course file and lesson plan and get approved from HOD
- Academic calendar is provided to all students.
- Teaching and learning is carried out by all faculties with the help of chalk and board and other modern teaching aids.
- Every fortnight module wise progress report is taken from course teacher at department level and reviewed.
- Conducting internal test (Unit Test 1, Unit Test 2 and Remedial Test) evaluate and review as per the schedule in the academic calendar.
- Outcome based question paper for internal tests.
- Monthly review of student's attendance and reporting defaulters to parents.
- Review of university examination results.
- Learning beyond syllabus by arranging guest lectures.
- Review of progress of project work of BE students by project coordinator.
- Conducting remedial classes for academically weaker students and monitor their progress.

Laboratory learning:

- Batches are made and conveyed to students.
- Laboratory/term work/tutorial learning material is prepared students.
- Time slots for laboratory/term work are specified in the time table as per academic calendar.
- Performance of practical respective batches in the allotted sessions.
- Continuous assessment of performance of the students and giving feed back of their laboratory/tutorial/ term work learning.
- Practical internal oral examination after completion of curriculum.
- Maintaining laboratory manuals/dead stock register and lab utilization report
- Service, calibration and maintenance of equipments by the laboratory In-charge.

Evaluation of learning process:

- Observation of classroom/practical/term work/tutorial delivery.
- Signing of academic diary on regular basis.
- Continuous assessment Process
- Analysis of student's feedback
- Self assessment of faculty in terms of self appraisal.

Action deployment

- ☐ At the beginning of the academic year Head of the Department (HoD) conducts the meeting to discuss the academic calendar, time table, confirmation of industrial visits, expert lectures, and the course file of the faculty.
- ☐ Faculty prepares the course file which contains,
 - * Vision and Mission of the Institute, Quality Policy and Quality Objectives
 - * Vision and Mission of the Department
 - * Programme Educational Objectives (PEO) and Programme Outcomes (PO).
 - * Mapping of PEOs and POs.
 - * Course Outcomes (CO).
 - * Mapping of COs and POs.
 - * Assessment Tool and Procedure for Assessment of COs.
 - * University Syllabus.
 - * List of Text and Reference Books.
 - * University Question Papers.
 - * Personal Time Table.
 - * Course Plan and Execution plan.
 - * Term Work Plan.
 - * Assignments.
 - * Students Roll Call list with Batches.
 - * Unit Test-I, Unit Test-II question papers
 - * Unit Test-I and Unit Test-II and analysis.
 - * Remedial Tests, Results and analysis.
 - * University result analysis.
 - * Report of Industrial Visits, Site Visits, Guest Lectures.
 - * Lecture Notes and e-learning resource materials.
 - * Unit wise Question Bank for University Exams/ University Orals /GATE etc.

* Content beyond syllabus.

- ☐ Once the classes are commenced the faculty maintains a record of -
 - lectures and attendance of students.
 - continuous progressive assessment with respect to practical / assignments/ tutorial work.
 - unit test and remedial test.
 - project work and its progress.

These records are audited during the semester by the Programme Audit Committee (PAC) of the institute IQAC. Audit is carried out at the end of the semester; it appreciates the efforts, identifies and suggests the area of improvement, if any.

Invited Lectures:

We arrange Industrial visit to bridge the gap between theoretical knowledge and real life scenario. Also the experts from industry are invited and guest lectures are arranged on recent development in the respective fields. In addition special lectures are conducted by inviting distinguished personalities from different eminent Universities/Institutes and Industries. To make students' involved in the teaching learning process, new and innovative teaching techniques in addition to the traditional lecture method is evolved. The faculty members deploy learner centric techniques such as web related assignments, peer teaching, discussion method, experiential learning, use of audio-visual aids, case study, projects, surveys, Quiz etc in the delivery of academic programmes.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

University Support Level

- ☐ Teachers are involved in framing and drafting of the syllabus in various capacities like participant faculty and subject expert in curriculum framing and detailing workshops.
- ☐ Course implementation workshops are organized in various institutes, where teachers are introduced to course contents, books, teaching plan, practical and agencies for procurement of related equipments. Faculty is deputed for the respective course workshop which he/she is teaching
- ☐ Grants are received by the Institute for organizing workshops for structuring, detailing and effective delivery of curriculum.

Institute Support Level

- ☐ Providing modern tools for teaching.
- ☐ Making available E – Library and Internet facility.
- ☐ Organizing and deputing faculty for Faculty Development Programs (FDP).
- ☐ Deputing faculty for attending workshops, seminars and conferences.
- ☐ Encouraging & Facilitating the faculty members for up gradation of qualification.
- ☐ Organizing expert lectures.
- ☐ Organizing & Deputing the faculty to attend the programmes under the lead institute scheme of Shivaji University Kolhapur, to the other organizing institute in Kolhapur Cluster.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency.

Institute initiates many mechanisms contributing to effective curriculum delivery as follows –

- ☐ Training of faculty for teaching learning
- ☐ Extra classes for slow learners
- ☐ Extra practical and lecture sessions for directly admitted second year diploma students.
- ☐ Extra tutorials for courses with mathematical orientation.
- ☐ Conduction of mock orals and mock practical exams.
- ☐ Use of NPTEL, video lectures for a course.
- ☐ Remedial classes after the test analysis.

This ensures effective curriculum delivery.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

The Institute network and interacts with industry, research bodies and university for effective operationalisation of the curriculum by following ways-

- ☐ Experts from industry and researchers are invited for lectures on current topics within and beyond the contents of the course

- ☐ MoU with industries for resource sharing, workshop, Industrial visits.
- ☐ Sponsored projects from industry.
- ☐ Certifications for skill development.
- ☐ Research grants from various funding agencies.
- ☐ Organization of FDP's, seminars, conferences, workshops in association with various organizations.
- ☐ Faculty members are the members of various professional bodies and society such as. ISTE, ISHRAE, SAE, IEEE, IETE, CSI, Institute of Engineers etc.
- ☐ The faculty members attends the programs conducted by university under lead institute schemes organized by the nearby technical institute.
- ☐ Senior faculty of the institute works on various committees such as local Inquiry Committee (LIC) members at the other institutes as and when appointed by the university.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc

- As an affiliated Institute the institute is bound by the curriculum designed and deployed by the Shivaji University, Kolhapur, Maharashtra.
- Number of faculty of the Institute are involved and participates in curriculum reformation at the university for framing and drafting of the curriculum.
- The department of Automobile engineering has successfully organised a workshop on curriculum development for Automobile Engineering Program.

Feedback from the students, alumni, faculty and industry experts are taken during the reformation of the curriculum through structured questionnaires comprising of the aspects of curriculum. The comments, suggestions and peer observations from industry experts, eminent visitors to the Institute and researchers are also taken into consideration. These feedback, comments and suggestions are conveyed to the university during reformation of the curriculum.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If _yes, give details on the process („Needs Assessment,,, design, development and planning) and the courses for which the curriculum has been developed.

Institute offers many value added courses apart from the mentioned contents in the curriculum of the university.

As per MOU signed with TATA Technologies (TTL), Pune CATIA V5 course of 40 hours was organized by the institute. For which TTL has trained our faculty to implement and train the institute students of various discipline.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Institute analyzes the achievement of the objectives of curriculum through

1. Progressive assessment, continuous evaluation process.
2. Class room and Laboratory interaction.
3. Feedback from mentors and mentees.
4. Assignments and tests.
5. Result analysis.
6. Employer feedback.
7. Review of syllabus completion.
8. Institute ensures that the objectives are achieved by
9. Remedial classes for slow learners.
10. Giving exposure to advanced technologies by means of industrial visits, visit to Techfests, being member of professional bodies.
11. Assigning projects of various categories-viz real times, interdisciplinary, industrial need for the society.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

Goals & Objectives of certificate/diploma/skill development courses:

- a. To develop competency among the student
- b. To enhance employability of the student
- c. To enhance entrepreneurship awareness among the student
- d. To up lift the students in meeting technological challenges

The institute encourages the students and faculty to update their knowledge and skill with advanced technology. To achieve this various skill development programmes and workshops are organised by departments.

1.2.2 Does the institution offer Programs that facilitate twinning/dual degree? If 'yes', give details.

NO.

1.2.2 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability

- ☐ Range of Core /Elective options offered by the University and those opted by the college: There is no flexibility in core option.

Elective options are as per University curriculum and well executed by the Institute. Common and core subjects are given from Semester I to Semester VI which includes courses from Basic Engineering Sciences, Applied Engineering Sciences, Humanities & Sciences etc. Nearly 30% of the subjects are given as Electives in semester VII and VIII. For Under Graduate Engineering students.

Below are the electives for various undergraduate branches as offered by Shivaji University.

B. E. (Mechanical Engineering)			
Semester- VII		Semester- VIII	
Elective-I	Experimental Mechanics	Elective-III	<i>Production Management</i>
	Human and Professional Ethics		Industrial Engineering
	<i>Automobile Engineering</i>		Fracture Mechanics
	Computational Fluid Dynamics		Reliability Engineering
	Process Equipment Design		Advanced I.C. Engine
	Advanced Foundry Processes		Machine Tool Design
	Introduction to Aircraft Systems		Design of Aircraft Systems
Elective-II	<i>Total Quality Management</i>	Elective-IV	<i>Industrial Automation and Robotics</i>
	Advanced Forming Processes		Enterprise Resource Planning
	<i>Industrial Product Design</i>		Cryogenics
	Design of Thermal Systems		Micro Electro Mechanical Systems
	Smart Materials		Advanced Refrigeration
	Design for Sustainability		Tribology
	Flexible Manufacturing Systems		Precision Engineering

B. E. (Electrical Engineering)			
Semester- VII		Semester- VIII	
Elective-I	<i>FACTS</i>	Elective-II	<i>Embedded Systems</i>
	Signal Processing For Electrical Engg.		High Voltage Engineering
	Industrial Automation and SCADA		Advanced Relaying
	Restructured Power Systems		Electrical maintenance and electrical energy audit.
B. E. (Electronics and Telecommunication Engineering)			
Semester- VII		Semester- VIII	
Elective-I	Robotics	Elective-II	Mechatronics
	Speech Processing		Artificial Neural Network
	MEMS		Remote Sensing & GPS
	Radar & Navigation Aids		Operating Systems

B. E. (Computer Science and Engineering)			
Semester- VII		Semester- VIII	
Elective-I	Soft Computing	Elective-II	Internet of Things
	Mobile Applications		Software Testing & Quality Assurance
	Ad Hoc wireless Networks		Introduction to Mainframes

B. E. (Civil Engineering)			
Semester- VII		Semester-VIII	
Elective-I	Advanced Structural Analysis	Elective-II	Advance Concrete design
	Experimental Stress Analysis		Design of Industrial Structure
	Advanced Traffic Engineering		Advanced Pre stressed Concrete Design
	<i>Advanced Foundation Engineering</i>		<i>Structural Design of Foundation and Retaining Structures</i>
	Remote Sensing & GIS in Civil Engineering		Design of Bridges
	Advanced Engineering Geology		Dynamics of Structures
	Open Channel Hydraulics		Finite Element Method
	Optimization Techniques		
	Solid Waste Management		
	Ground improvement techniques		
		Elective-III	Pavement Analysis, Design and Evaluation
			Hydrology & Water shade management
			Water power Engineering
			Site investigation Methods and Practices
			Air pollution and control
			Industrial waste treatment

B. E. (Auto mobile Engineering)			
Semester- VII		Semester- VIII	
Elective-I	Advances in Engine Technology	Elective-II	Automotive Noise, Vibration and Harshness (NVH)
	Computational Fluid Dynamics		Automotive Aerodynamics
	Tribology		Fuels, combustion and Emission control
	Optimization Methods in Engineering Design		Automotive control systems
	<i>Transport Management</i>		<i>Energy Engineering</i>

Choice Based Credit System and range of subject options

Not Applicable

Courses offered in modular form

No courses are offered in modular form in the Institute.

Credit transfer and accumulation facility

Not Applicable

Lateral and vertical mobility within and across Programs and courses.

At the end of first year, the students can opt for a change in programme of study provided that there is a vacancy available in that programme. This is possible because, the curriculum for first year of UG is common for all programmes. This mobility of programme transfer after completion of First Year of UG programme is meticulously carried out by the institute as per the guide lines of Shivaji University, Kolhapur and Director of Technical Education Mumbai for the aspiring student.

After the programme transfer within the institute the programme wise vacancy statement is submitted to DTE, Mumbai for approval and Direct Second Year admissions to all the programmes are carried out as per DTE procedures.

As per the rules and regulations of Shivaji University, Kolhapur, **Vertical mobility** is not permitted in the current provisions.

Enrichment courses:

The institute has organized various skill development and knowledge enrichment courses the list of such courses is mentioned in 1.3.4 in detail

1.2.4. Does the institution offer self-financed programmes? If _yes,,, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes, all Programs are self-financed as the Institute is under the category of an unaided institute. List of the Programs run in the Institute is given in Profile of the Institute, point no.12.

_ Admissions to all UG and PG Programs are conducted according to Director of Technical Education (DTE) rules and regulations the details of which are available at www.dte.org.in.

_ Curriculum for each Program is designed by the Board of Studies of the related programme, Shivaji University, Kolhapur according to the university norms.

(Details available at www.unishivaji.ac.in)

_ The tuition fee is charged as prescribed by the SHIKSHAN SHULKA SAMITI, Maharashtra State and Shivaji University rules and is subject to revision. Details are available on www.sssamiti.org.

_ The institution has appointed well qualified, experienced faculty members who possess good subject knowledge. Appointments are done on the basis of UGC and AICTE norms (www.ugc.nic.in and www.aicte-india.org)

_ The salary is pertinent to the UGC and AICTE norms. It is as per sixth pay of scale.

1.2.5 Does the Institute provide additional skill oriented Programs, relevant to regional and global employment markets? If 'yes' provide details of such Program and the beneficiaries.

Yes. Such programmes are

- Soft Skill Development (SSD) programmes
- Technical (TSD) Skill Development
- Regular Industry visit - once in a semester
- Vocational Training - during summer and winter recess
- Poster presentation
- Project exhibitions/competition
- Organization and participation in Seminar/Conference/Workshop
- Entrepreneurship Development programme

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

NO

1.3 CURRICULUM ENRICHMENT

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic Programs and Institution’s goals and objectives are integrated?

Institute consistently strives to achieve institution objectives and goals through the curriculum and enrichment courses to supplement the university curriculum. Faculty and students are frequently exposed to various emerging technologies.

- Institute as well as department of various programmes organizes workshops/ seminars and development programs to update the faculty with the latest developments in the core areas of engineering and technology.
- Institute is associated with the professional bodies like IETE, SAE, ISTE, ISHRAE, CSI and more student chapters where faculty and students get a platform to interact on assorted ideas leading to development of publications and projects.
- Institute has MOU's with industries for resource sharing and industrial visits which is benefitting to our faculty and students.
- Students get opportunity to participate in programs organized by Shivaji University at our as well as other institutes under lead institute scheme
- Experts lectures from industry, academia and research organization are arranged to bridge the gap between industry expectations and academics.
- As per curriculum of Shivaji University, Kolhapur for few programmes students are deputed to various industries for industrial training during vacation due to which they get acquainted with industrial needs and current practices used in the industry.
- Institute takes effort to get sponsorship of projects from the industries for maximum possible final year students from all the programmes.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

Institute strives to enhance the experiences of the students in number of ways by organizing different activities which enriches the cognitive and affective domain of the students and also helps the students to sustain in the dynamic employment market.

Some of the efforts are as follows-

- ☐ Quiz to recall and correlate which they were learned.
- ☐ Group discussion to translates, comprehends and interprets the information based on prior learning.
- ☐ Seminars and project exhibition to transfers their knowledge into a task where their confidence and interaction/presentation skills are enhanced.
- ☐ Development of laboratory equipments, where students originates, integrates and combines ideas into a product.
- ☐ Industrial visits to enrich their practical knowledge and skills.
- ☐ Organizing conferences, paper presentations and project competitions.
- ☐ Value added programmes

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Gender Equality is one of the key issues in today's world. Equal opportunity is given to the girls along with the boys in various committees. Many Programs are coordinated and organized by the girls along with boys. Internal Complaints Committee (ICC) (formerly Vishakha Committee/Sexual harassment prevention committee) is formed as per direction of central government and Apex court. The Programs like women empowerment, celebration of women day are conducted at the Institute level. Institute organised events like BETI Bachao

Climate change, Creating awareness through various events like tree plantation and saplings are offered to the eminent guest and visitors etc. Institute celebrates World Environment Day, World Water Day, Earth Hour Day, Ozone Day etc.

Anti Ragging committee is also effectively working in the Institute. The Institute has formed anti-ragging committee comprising of mixed gender which includes the Principal, faculty members, physical education trainer. A few members of committee are from community like lawyers and senior social activists. Boards containing list of ant ragging committee members are displayed in Institute campus and also on institute web site along with their mobile phone numbers. Every semester meetings of the committee members is conducted to discuss the related issues if any. Ant ragging affidavit is required to be signed by all the students before taking admission to their respective classes as per the directives of Government of India.

Environmental Study is a common course for all second year students as per the curriculum. In this course, the basic components of Environment, their application in various fields are studied. Students perform mini projects in this course.

Also the Civil Engineering program is having Environmental Engineering-I and Environmental Engineering -II as their core courses at their third year engineering studies. Also Industrial Waste Treatment course as an elective at the final year civil engineering for which almost all the students have given the choice and finally was offered for their studies.

Electrical Engineering program is having renewable energy system as a core course and energy audit and management as an elective for their final year curriculum. Also projects like wind energy system and energy audit were successfully completed by the students.

Mechanical and Automobile Engineering programme is having renewable energy engineering as a core course and projects like solar pumping, hybrid wind mill, solar irrigation, solar vehicle etc. were successfully completed by students.

ICT – Computer fundamentals are already taught as a part of the curriculum along with this separate computer centers are available for students to enhance their skills and additional training on MS office.

1.3.4 What are the various value-added courses / enrichment Programs offered to ensure holistic development of students?

International Yoga day was celebrated on 21st June. all the faculty, staff and students actively participated in this programme under the guidance of Yoga Guru Prof. Sanjay Hake (Yoga Instructor, SVYAS, Bangalore).

There are group of students working on

- 1) Bhagwad gita : Reading & Recitation
Group of students meet after college hours for discussions on shlokas and recitation.
- 2) Balidan Mass:
Group of students to pay tribute to Ch. Sambhaji Maharaj, arrange puja and discussions for 40 days.

- **Employable and life skills :**

Five day entrepreneurship awareness programme was organized by our entrepreneurship development cell for the students for our institute as well as for the nearby institute students under lead institute scheme of Shivaji university, Kolhapur. Various entrepreneurs shared their knowledge and experiences to the participating students.

Life Skill
Better career options:

Various career awareness programmes are organized by Training and placement cell to develop better career options among students. The details are as below,

1. Computer Science & Engineering Department

Sr No	Topic	Date
1	Group Discussion Practice	23/08/2015
2	Technical Aptitude Preparation (C, C++,JAVA)	10/09/2015
3	General Aptitude	05/10/2015
4	H.R. & Technical Interview Skills	08/02/2016
5	Aptitude Test	20/10/2015
6	Database, Data Structure Workshop	29/12/2015
7	Open Source Workshop (Krishnakant Mane)	03/09/2015
8	Group Discussion	10/09/2015
9	Teach For India (Online Test)	22/01/2016
10	C Language Test	11/11/2015
11	C++, Java Language Test	18/11/2015
12	Technical Aptitude Test (Data Structure)	21/10/2015
13	Quantitative Aptitude Test	21/10/2015
14	Logical Reasoning Test	27/01/2016
15	Verbal Aptitude Test	27/01/2016
16	Soft Skills, GD-PI and Aptitude Techniques for TE students. By Tech-Rel, Pune	15/02/2016 & 16/02/2016
17	Seed IT Idol programming competition For FE to BE	15/02/2016

2. Electronics & Telecommunications Engineering Department

Sr. No.	Topic	Date
1	Placement awareness, Softskills and Aptitude test	06/08/2015
2	Aptitude Test based on Subjects	03/09/2015
3	Core electronics	15/10/2015
4	C,C++ and Data structure	15/10/2015
5	General Aptitude	15/10/2015
6	Session on Group Discussion	11/10/2015
7	Group Discussion	11/10/2015
8	Session on Softskills	13/09/2015
9	Session on Interview Techniques and Organizational Behavior	04/02/2016
10	Soft Skills, GD-PI and Aptitude Techniques for TE students. By Tech-Rel, Pune	15/02/2016 & 16/02/2016
11	Seed IT Idol programming competition For FE to BE	15/02/2016

3. AUTOMOBILE Engineering Department

Sr. No.	Topic	Date
1	Placement Awareness	04/01/2016
2	G.D. and P.I.	20/01/2016
3	Piping Engineering by Envision	12/02/2016
4	General Aptitude & Technical Test	04/08/2015
5	General Aptitude & Technical Test	21/08/2015
6	Session on Group Discussion	11/09/2015
7	Soft Skills, GD-PI and Aptitude Techniques for TE students. By Tech-Rel, Pune	17/02/2016 & 18/02/2016
8	Seed IT Idol programming competition For FE to BE	15/02/2016

4. ELECTRICAL Engineering Department

Sr. No.	Topic	Date
1	Placement Awareness	03/09/2015
2	Session on “ General Aptitude & Technical Test”	23/10/2015
3	Group Discussion	11/10/2015
4	Soft Skills, GD-PI and Aptitude Techniques for TE students. By Tech-Rel, Pune	15/02/2016 & 16/02/2016
5	Seed IT Idol programming competition For FE to BE	15/02/2016

5. MECHANICAL Engineering Department :

Sr. No.	Topic	Date
1	Placement Awareness	19/09/2015
2	G.D. and P.I.	18/11/2015
3	Piping Engineering by Envision	12/02/2016
5	General Aptitude & Technical Test	25/01/2016
6	Session on Group Discussion	11/09/2015
7	Soft Skills, GD-PI and Aptitude Techniques for TE students. By Tech-Rel, Pune	17/02/2016 & 18/02/2016
8	Seed IT Idol programming competition For FE to BE	15/02/2016

6. Civil Engineering Department :

Sr. No.	Topic	Date
1	Placement Awareness	19/09/2015
2	G.D. and P.I.	18/11/2015
5	General Aptitude & Technical Test	25/01/2016
6	Session on Group Discussion	11/09/2015
7	Soft Skills, GD-PI and Aptitude Techniques for TE students. By Tech-Rel, Pune	17/02/2016 & 18/02/2016
8	Seed IT Idol programming competition For FE to BE	15/02/2016

• **Community orientation:**

The following programmes were organized at our institute as far as community orientation concern:

Activity	Department	Date	Audience
Engineer's Day	All Departments	15 th Sept. Every year	All students
Republic Day	All Departments	26 th January Every year	All students
Blood Donation Camp at Institute	All Departments	13th March Every year	All students
Campus cleaning day	All Departments	3rd March 2016	All students
Celebration of Shiv Jayanti	All Departments	19 th Feb, 2014	All students

As a part of curriculum our students have engaged the following programmes for the villagers at various Grampanchayat.

Name Of Activity	Date Of activity	Organizing students	Conducted For
Awareness of Maha Online Portal	09/10/13	Nikit Lonare , Mayur Sadhu Guruprasad Palankar Suraj Shinde	Nilewade Grampanchayat, Hatkanangale
Awareness of Adhar Card(UID)	09/10/13	Manjunath Gawde, Alifia Angarwala, Priyanka Dewalkar	Nilewade Grampanchayat, Hatkanangale
Awareness of E-Commerce	04/10/15	Vishal Joshi Gaurav Vhandole Shubham Chavan	Avani ,Kolhapur
Awareness of MPSC online Portal	09/10/13	Vidyasagar Patil Nikhil Pail Abhijeet Bargale Nikil Bhosale Rahul Bachate	Nilewade Grampanchayat, Hatkanangale
Awareness of Internet Services	07/10/13	Sruishti Sangawadekar Sukhada Kekade Amir Khakhu Prajyot Patil Snehal Chindage	Shri Chatrapati Shivaji Highschool ,Jejuri
Awareness of Railway Reservation	06/09/15	Anirudha Deshpande Akshay Shinde Aniket Mohite Swapnil Devan	SSE office Kolhapur

1.3.5 Citing a few examples, enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The Institute has a system to collect feedback from following stakeholders in the context of curriculum:

- Alumni
- Parents
- Industry/employer

The experts from industry are involved during the process of curriculum development at the University level.

Stakeholder	Criterion 1	Criterion 2	Criterion 3	Criterion 4
Alumni	Skills in Engineering Subjects	Problem Solving	Competitive Examinations	Marketing and Entrepreneur Skills
Industry/ Employer	Key domain	Aptitude development	Innovation, creativity and Engineering	advances Communication Skills
Parents	Training requirement for Placement	Continuous assessment and marking scheme	--	--
student	Teaching learning process	Evaluation process	Curriculum completion and enrichment	Modern techniques involved

The above data is communicated to the University during revision of syllabus by the concerned senior faculty during subsequent meetings.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment Programs?

The institute & T&P cell is devotedly interested in enhancing students' employability. HODs regularly monitor programmes enrichment activities, and in turn report the Principal regarding outcomes and feedback of programmes.

The Institute monitors and evaluate the quality of its enrichment programs through:

- Feedback mechanism
- Advisor & Experts comment
- Surprise visits
- Exit Feedback from the students at the end of the course.

1.4 FEEDBACK SYSTEM

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- The institute is affiliated to Shivaji University, Kolhapur, the structure and the syllabus developed at university level is used for all the UG and PG programmes in the institute
- For structuring and detailing of the curriculum the University invites the representatives from the Institute to put forward the views on behalf of the Institute
- The faculty members attend the workshops for structure and syllabus development
- also structuring and detailing workshops are arranged at our institute which are funded by Shivaji University, Kolhapur.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new Programs?

Yes,

The institute is following Outcome Based Education system. To assess the attainment of Outcomes. Course End survey, Graduate Exit Survey, Alumni Feedback, Parents Feedback and Employers Feedback are taken regularly. The findings of the same related to curriculum will be conveyed at the time of structure and syllabus formation at University level.

1.4.3 How many new Programs/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/Programs?)

Any other relevant information regarding curricular aspects which the Institute would like to include.

Institute has started the Polytechnic programmes considering the need of rural mass in the nearby vicinity. Also considering the industrial and educational sectors requirement PG programme has been started. The following new programmes were introduced by the institute during last four years:

Sr.No.	Name of the programme	Year of commencement	Sanctioned Intake capacity
1.	PG Mechanical (Design Engineering)	August 2015	18
2.	PG E&TC Engineering	August 2015	18
3.	Diploma Mechanical Engineering	July 2014	60
4.	Diploma Electrical Engineering	July 2014	60

Best practices in curriculum aspects:

- Institute has an academic calendar which is expected to achieve greater integration of instruction and make lesson plan more meaningful and timely completion.
- Felicitation for Shivaji University rankers at annual social function of institute.

- Offering a subject in the area of environmental studies in the curriculum.
- Use of modern techniques in teaching and learning process.
- Emphasis on enhancing computer and internet facility.
- Faculty organize and participate in workshops, seminars, conferences, STTPs etc
- The faculty members enhance their ability and knowledge by attending orientation programmes and FDPs.
- Publication of articles in magazines and journals, authoring and co-authoring of books and course material are the various ways in which the curricular quality is sustained and enhanced.
- Introduction of computer lab, language laboratory.
- Subscription to e-journals.
- Book bank facility for SC and ST students.
- Extension/guest lectures are arranged for the students in various disciplines by inviting industrial and academic experts.
- In-house FDPs are organized for teaching faculty by the departments
- Improvement classes/remedial classes/ tutorial classes conducted for improving the performance.

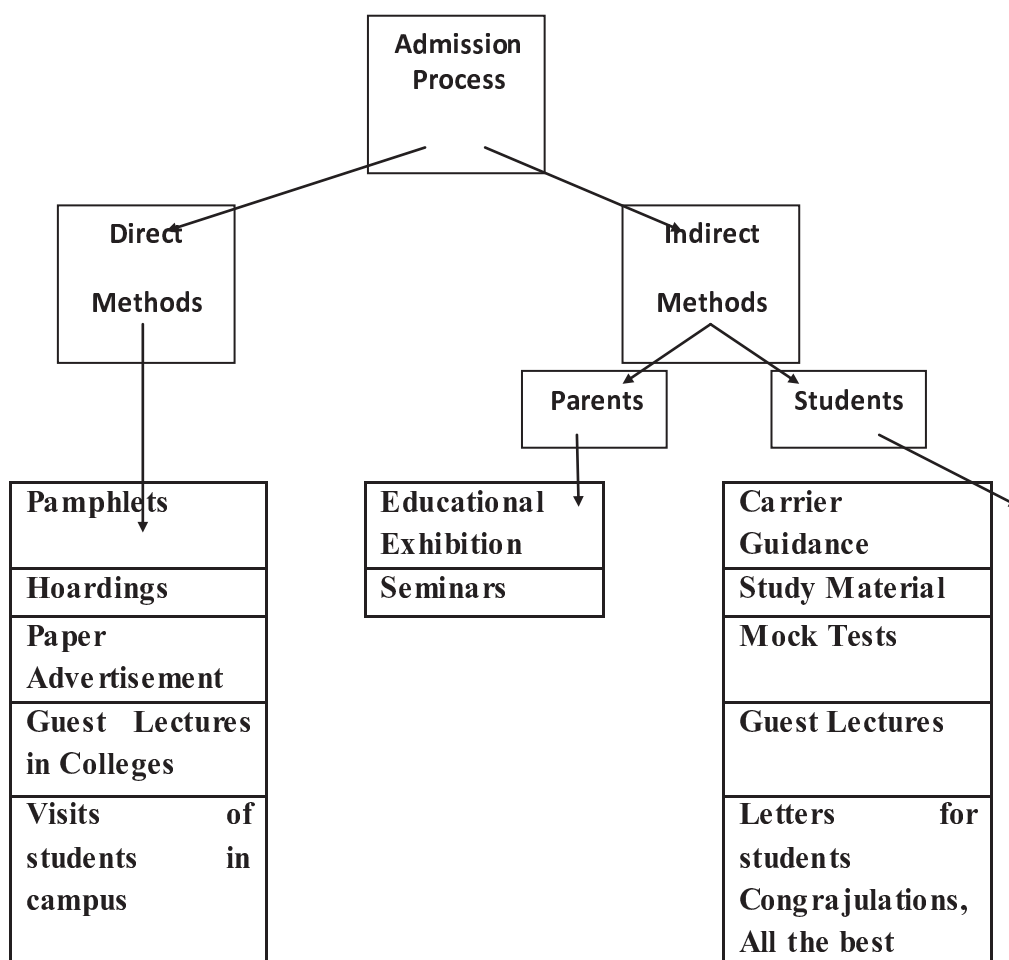
CRITERION II: TEACHING- LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the Institute ensure publicity and transparency in the admission process?

The admission process of students is conducted & monitored by the DTE, Maharashtra as per the government norms. The admission process of the Institute is widely publicized and transparent. Institute takes efforts to reach up to the students in the following manner;

The admission process of students is conducted & monitored by the DTE, Maharashtra as per the government norms. The admission process of the Institute is widely publicized and transparent. Institute takes efforts to reach up to the students in the following manner;



- Through Institute website www.seti.edu.in.
- Through College Brochures.
- Through Advertisements in news papers
- By arranging campus visits of the students.
- Institute is having very well established admission come publicity cell which reaches to the most of aspiring engineering and HSc. appeared students.
- By displaying Institute advertisements at prominent locations through sign boards.
- Through the allotted ARC centre by DTE at our institute.

Transparency

- The admission process for 80 % of intake is governed and managed by the centralized admission process (CAP), of DTE Mumbai, Govt. of Maharashtra on-line counseling process and the whole process is fully transparent for everybody from students to the Institute authority
- Students can fill up both the choice of the stream and the college by on-line counseling process followed by online registration.

2.1.2 Explain in detail the criteria adopted and process of admission

(Ex.(i)merit (ii)common admission test conducted by state agencies and national agencies (iii) combination of merit, entrance test and interview (iv) any other) to various programmes of the institution.

The Institute participates in centralized admission process of DTE, Maharashtra and follows all admission rules, regulations and guidelines set up by the state government. The criteria for the selection of students for admission in different levels of courses are given in table below;

Sr. No	Course	Criteria for admission
1	First Year Engineering	HSC. With 50% marks (PCM) + Non Zero Score (MHCET) for open category HSC. With 45% Marks (PCM) + Non Zero Score (MHCET) for reserved category.
2	Direct S.E (Lateral Entry)	Merit list on the basis of final year diploma marks
3	PG	GATE score

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programs offered by the college and provide a comparison with other colleges of the affiliating university within the city/district

Year 2014-15									
Sr. no.	Programme	Minimum marks of students admitted through CET				Maximum marks of students admitted through CET			
		SETI	AMGOI	SIT	DKTE	SETI	AMGOI	SIT	DKTE
1.	Civil	14	39	36	-	84	52	58	-
2.	CSE	24	24	33	64	65	38	44	74
3.	Electrical	34	41	33	-	82	55	52	--
4.	E&TC	10	29	28	53	79	29	43	68
5.	Mechanical	18	53	22	70	79	61	62	78
6.	Automobile	21	-	-	-	66	-	-	-
Year 2015-16									
Sr. no.	Programme	Minimum marks of students admitted through CET				Maximum marks of students admitted through CET			
		SETI	AMGOI	SIT	DKTE	SETI	AMGOI	SIT	DKTE
1.	Civil	14	37	46	-	74	54	59	-
2.	CSE	26	12	36	67	61	40	53	81
3.	Electrical	9	34	37	-	80	48	50	-
4.	E&TC	9	0	16	52	72	63	30	67
5.	Mechanical	27	36	44	63	75	50	60	74
6.	Automobile	13	-	-	-	65	-	-	-

Year 2016-17									
Sr. no.	Programme	Minimum marks of students admitted through CET				Maximum marks of students admitted through CET			
		SETI	AMGOI	SIT	DKTE	SETI	AMGOI	SIT	DKTE
1.	Civil	15	36	42	-	89	53	58	-
2.	CSE	40	15	35	60	84	36	46	76
3.	Electrical	36	37	34	-	93	51	50	-
4.	E&TC	34	07	14	50	73	35	32	66
5.	Mechanical	45	47	35	60	74	54	60	75
6.	Automobile	44	-	-	-	73	-	-	-

SETI	-	Sanjeevan Engineering and Technology Institute, Panhala
AMGOI	-	Ashokrao Mane Group of Institutions, Wathar
SIT	-	Sharad Institute of Technology Yadav
DKTE	-	Dattajirao Kadam Textile and Engineering Institute.

2.1.4. Is there a mechanism in the institution to review the admission process and student profiles annually? If yes, what is the outcome of such an effort and how has it contributed to the improvement of the process.

Mechanism to review the admission process and student profile:

Admission process: Engineering admission process is governed by DTE, Maharashtra State. Institute follows rules, regulation and guidelines set up by the DTE and Shivaji University, Kolhapur. DTE also prescribes the eligibility criteria for admission to all engineering UG and PG Programmes; the same is adhered by the institute. Institute follows the various stages and procedure adopted for the Central Admission Process (CAP). Candidates seeking admission to our institute courses are required to appear for MH CET conducted by the DTE. DTE shall conduct central admission processes as given below.

Procedure of Centralized Admission Process (CAP) for the Academic Year 2015-16:

- Issue of information brochure & kit at any of the ARC.
- The website for admission is “www.dtemaharashtra.gov.in/fe2015” and accordingly all the information shall be available on this website from time to time.
- Filling up of online application form on website for participation in the centralized admission process for admission through CAP.
- Confirmation of online application form & document verification at ARC only by the eligible candidates in person.
- Display of provisional & final merit list on website indicating state level rank, home university rank, category rank, All India Rank etc.
- Display of seat distribution for CAP Round I.
- Filling up & confirmation of online option form for CAP Round I by candidate through his/her login. (Candidates are not required to go to ARC for option form confirmation).
- Display of provisional allotment of CAP round I.
- Reporting to the institute as per allotment of the CAP rounds I and confirmation of admission by the candidate, if any.
- Display of seat available for CAP round II and III.
- Filling up & confirmation of online option form for CAP round II and III by eligible candidates through his/her login. (Candidates are not required to go to ARC for option form confirmation).
- Display of provisional allotment of CAP round II, and III indicating allotment of the CAP rounds II & III.
- Reporting to the institute as per allotment of the CAP rounds II and III and confirmation of admission by the candidate, if any.
- Conduction of CAP round III admission round by counseling at Govt. College of Engg., Aurangabad if required.

The institute completes 20% admission through management and remaining 80% Admission are filled by DTE. Management admissions are done on the basis of merit. Still the institute has strong admission cell with expert team member that works round the year to get the good and meritorious students through advertisement by arranging the campaign, advertising in print and electronic media, website, seminar in school and junior colleges

Procedure of Centralized Admission Process (CAP) for the Academic Year 2016-17:**Step-1: Online Application and Display of Merit Lists**

- Display or Publishing of Information Brochure by the Competent Authority.
- Online registration of application for admission through computer connected to Internet on the website for Maharashtra State/All India/J & K Migrant candidates.
- Documents verification, updating and confirmation of Application Form for Admission in person at Facilitation Center (FC).
- Display of the provisional merit lists on website.
- Submission of grievance, if any, at FC.
- Display of the final merit lists for all types of candidates on website.

Step-2: Option Form Submission and Acceptance of Seat at Admission Reporting Center (ARC)

- Display of Category wise Seat Distribution (Seat Matrix) for CAP Round I
- Online Submission & Confirmation of Option Form for CAP Round-I, II, III through candidates Login by himself/herself through the website.
- Display of Provisional Allotment of CAP Round-I.
- Reporting to the ARC for CAP Round I.
- Display of Provisional Allotment of CAP Round-II.
- Reporting to the ARC for CAP Round II.
- Display of Provisional Allotment of CAP Round-III.
- Reporting to the ARC for CAP Round III.
- Display of Vacant Seats for CAP Round-IV.

- Online Submission & Confirmation of fresh Option Form for CAP Round-IV through candidates Login by himself/herself through the website, for all candidates who have:
 - Not been allotted any seat in Rounds I/II/III.
 - Not participated by the way of not filling Option form in CAP Round I.
 - Those who have taken and cancelled their admission in the earlier rounds.
 - Those who have Freezed the admission in earlier rounds but now are desirous of changing the option to Floating or Sliding.
- Display of Provisional Allotment of CAP Round-IV.
- Reporting to the ARC as per Allotment of CAP Round IV.
- For all candidates: Reporting to the Allotted Institute and Confirmation of Admission by submitting required documents and paying remaining fees, as per the Allotment.
- If the seats remain vacant after all CAP Rounds, the said seats shall be filled in by the institution through Institution Level Round with the prior approval of the Competent Authority.

Student profile

Profile of the every student is created and is maintained in the department and efforts are taken for continuous monitoring of the performance of every student. Feedback from students help in improving their profile, students can get their attendance, marks in test, question banks and notes of all subjects from the class coordinators and course teacher. This database is also shared with parents.

Outcome

- ☐ This helps in understanding the potential of the students.
- ☐ Sharing of ward related (academic and non-academic) data with parents.
- ☐ Students understand their performance and position in the class.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the national commitment to diversity and inclusion. (SC/ST/OBC/Women/differently abled/economically weaker sections/minority community/Any other)

- As admission process in the State is governed by Director Technical Education; Institute follows the rules, regulations and guidelines set up by state government body. It admits students of categories like, SC, ST, and OBC, women, economically weaker sections as per the government norms, rules and regulations and allotments.
- Institute offers the admissions under the Tuition Fee Waiver Scheme which is mainly developed for Economically Weaker Section of the society as allotted by the central admissions committee.
- There is special reservation for the candidate of J and K and government of India (Mizoram student) as per the norms.
- As institute is committed to rules and regulation of Government of India and State Government of Maharashtra, social reservations are followed in the admission process and offers scholarships. The total social reservation is 50 % of total sanction intake which is segregated as follows:
 - ☐ SC –13%
 - ☐ ST - 7%
 - ☐ OBC – 19%
 - ☐ Women – 33%
 - ☐ VJNT –11%

2.1.6 Provide the following details for various programs offered by the institution during the last four years and comment on the trends. i.e. reasons for increase/decrease and actions initiated for improvement.

The admission process is governed and managed by the centralized admission process (CAP), Gov. of Maharashtra on-line counseling process and the whole process is very much transparent from the very bottom-line, i.e., students to the College authority. Students can fill up both the choice of Stream and College by on-line counseling process followed by online registration. Hence demand ratio is calculated from intake capacity and number of admitted students.

PROGRAMME	2016-2017				2015-2016			2014-2015			2013-2014		
	SI	SE	DR %		SI	SE	DR %	SI	SE	DR %	SI	SE	DR %
Degree First Year	MECH	60+3	26+2	43.3	60+3	36+2	21.6	60+3	51+2	85.00	60+3	60+3	100.00
	CIVIL	60+3	23+3	38.3	60+3	23+3	13.8	60+3	31+3	51.67	60+3	29+2	48.33
	E& TC	60+3	06+0	10.0	60+3	23+2	13.8	60+3	16+3	26.67	60+3	9+3	15.00
	CSE	60+3	27+3	45.0	60+3	27+3	16.2	60+3	19+3	31.67	60+3	5+1	8.33
	ELECT	60+3	11+3	18.3	60+3	26+3	15.6	60+3	17+3	28.33	60+3	24+3	40.00
	AUTO	60+3	12+3	20.0	60+3	21+2	12.6	60+3	12+3	20.00	60+3	23+1	38.33
Degree Direct Second Year	MECH	45	45	100.00	26	26	100.00	19	19	100.00	19	19	100.00
	MECH DIV (lateral)	60+3	60+3	100.00	60	60	100.00	60	60	100.00	60	60	100.00
	CIVIL	54	54	100.00	44	44	100.00	40	40	100.00	40	26	65.00
	E&TC	57	15	26.3	66	22	33.33	60	48	80.00	60	33	55.00
	E&TC DIV	60+3	11+3	18.3	60	7	11.67	60	7	11.67	60	11	18.33
	CSE	45	20	44.4	65	15	23.08	56	30	53.57	56	8	14.29
	ELECT	56	51	91.1	61	61	100.00	57	57	100.00	57	56	98.25
	AUTO	60	22	36.7	67	27	40.30	58	49	84.48	58	24	41.38
PG	M.E.Mech Design	18	15	83.33	18	17	94.44	NA	NA	NA	NA	NA	NA
	M.E. E&TC	18	2	11.11	18	4	22.22	NA	NA	NA	NA	NA	NA

S : Sanctioned Intake + TFWs Intake

SE : Students Enrolled

DR : Demand Ratio

The reasons for increase/decrease in the admissions are decided as follows:

- ☐ National and global employment scenario which is projected by industry and society survey.
- ☐ Total number of seats available for admissions in the State.

Action for improvement:

- ☐ Advertisement in News Papers and News Channels
- ☐ Counseling before and during admission process
- ☐ Enhancing Training and Placement activities.
- ☐ Conducting Value Added Courses in consultation with Industry/experts

2.2 Catering to Student Diversity

2.2.1. How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

Institute offers reservations for differently-abled students as per the government policies in the admissions. Relaxation is provided in minimum criteria of eligibility as per DTE norms. Institute has created modern infrastructure which includes barrier free environment (Examples: - Ramp ways in campus as per requirement, elevators etc.). Preference is given to these students to provide college transport facility

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If yes, give details on the process.

Before commencement of the programme, a team of teachers personally contacts the Principals of the senior secondary schools located in the district and requests them to let their students interact with their team to assess the student's needs in terms of knowledge and skill. The team gives the presentation related to the institute to the students. Also the visits to the various departments of the institute are arranged. A team of faculties of respective departments gives the information about the infrastructure and quality of faculties. It is given to senior secondary schools in the district to make them aware about the facilities available in the institute and to assess their needs. The department-wise visits are also arranged according to area of interest of the students. The institute conducts the Mock-CET test to assess student's needs in terms of knowledge and skills. These teams also furnish information about new trends in industries, in-plant training and value added courses offered by institute to students.

2.2.3. What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (bridge/remedial/ add-on/enrichment courses, etc.) to enable them to cope with the programme of their choice?

The institute conducts Orientation Programs for newly admitted students which emphasize the following points:

- Information about Library Facility including Book-Bank, Digital Library and Departmental Library, Wi-Fi enabled Campus
- Recent Market trends and Training Placement Activities in the campus.
- General awareness of different subjects and their Importance in Engineering field.
- Importance of fundamental concepts of Basic Sciences in Engineering.
- Importance of values and ethics, attendance, etiquettes, discipline and punctuality.
- The ability to adapt to the physical environment of the campus.
- Importance of first year performance as it has major contribution in the selection of Best Outgoing Student.
- Considering the content and depth of XII standard syllabi, the gap in the syllabi to understand the engineering curriculum of first year is identified and it is treated as prerequisite and lecture plan is designed accordingly.
- Institute identifies the gaps between the university curricula which is to be bridged to understand the higher level programs of the subjects.
- Institute arranges add on and remedial lectures to bridge these gaps.
- Institute organizes expert lectures from Industry and Academia.
- Information regarding knowledge gaps in the curriculum and action taken to bridge the gaps in the syllabus of FE.

2.2.4 How does the institute sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- Institute offers equality in the policies. There is no gender discrimination in policies for all stake holders.

- The staff members and students are treated equally in religious aspects.
- Women grievances redressal cell is activated and it functions separately for the benefit of the women employees and girl students.
- The institution never discriminates on gender and religious issues.
- All kinds of academic help are provided for the benefit of the economically and socially weaker sectioned students.
- Blood donation camps are organized by the institute frequently. The students come forward and donate blood for the benefit of the public.
- Our campus is tobacco and smoke-free.
- In every college function saplings are offered instead of banquets to the guests and dignitaries.
- A tree plantation programme is carried out almost every day.
- An intensive care policy after plantation makes our campus a green and beautiful campus

2.2.5. How does the institution identify and respond to special educational/learning needs of advanced learners?

The institute identifies advanced learners by their performance in university examination and class tests results under the continuous evaluation scheme, research paper presented in various national and international journal/conference and teacher-student interactions. The institute offers a number of opportunities for bright students to augment their talent and meet their learning needs.

- Students are encouraged to identify the problems from nearby industries and taken it as a sponsored project to solve this problem as the part of academic curriculum. They are also encouraged to take part in different contests
- Students are also motivated to make research contributions in their major project at the UG and PG level and publish their results in journals and also present it at national and international journals/conferences.

- The institute library provides a lot of journals and eBooks, through which the students can gain knowledge on the advanced topics. The faculty members teach content beyond the syllabus to enrich the knowledge of the students in the advanced topics.
- The institute organizes various competitions, events and an annual student' convention and technical programmes every year and gives prizes and awards.
- Students are motivated to take part in co-curricular and extracurricular activities in other institutes also.
- Students are motivated to take part in summer training programme / workshops at various leading research institutes and laboratories, as well as industries.
- Resource persons from industries and academic institution are invited to deliver guest lectures on the advanced topics for the benefit of the students.

Institute awards and motivate the students:

Sr.No.	Award Description	Award
1.	Toppers in all the programmes in F.E.	50% Tuition fee as a cash award
2.	Toppers in all the programmes in S.E.	50% Tuition fee as a cash award
3.	Toppers in all the programmes in T.E.	50% Tuition fee as a cash award
4.	Toppers in all the programmes in B.E.	50% Tuition fee as a cash award
5.	Second topper in all the programmes of F.E.	25% Tuition fee as a cash award
6.	Second topper in all the programmes of S.E.	25% Tuition fee as a cash award
7.	Second topper in all the programmes of T.E.	25% Tuition fee as a cash award
8.	Second topper in all the programmes of B.E.	25% Tuition fee as a cash award

2.2.6. How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

After admissions data of admitted students is collected from the DTE website , This data includes

- ☐ List of rural/urban background students
- ☐ List of eligible students for scholarship or free ship
- ☐ List of economically weaker students
- ☐ Merit status of students
- ☐ List of physically challenged students

Based on this data and academic performance over a period of time, students are classified as advanced learners and slow learners. A root cause analysis is performed on the results and percentage attendance of the students. Mentor identifies the reason for poor performance, poor attendance of his mentee and tries to improve it with counseling and appropriate measures. Number of measures are taken to improve the performance of slow learners

- ☐ Mentor monitors the academic performance of 15 to 20 students.
- ☐ Special classes, remedial classes and tests are conducted for the slow learners after the regular classes of the Institute.
- ☐ Assignments are given to the student for enhancement of their self learning capabilities and to improve their performance in examinations.
- ☐ Tutorial sessions are conducted to give individual attention to improve their grasping power and thinking speed.
- ☐ Slow learners progress is discussed with their parents for academic improvement.

Measures taken for economically weaker section and disadvantaged sections of society are as follows

- ☐ Tuition fee waiver schemes are provided by the government.
- ☐ Institute provides information about government scholarship, benefits of reservations in admission for SC/ST/OBC/minority students.

- ☐ Book bank facility is available in the Institute to help the students.
- ☐ Information is provided to students and parents about free ships, EBC scholarship, government schemes and education loan facilities.
- ☐ Earn and learn schemes are initiated to help students of economically weaker section.
- ☐ Social or psychological counseling of students is regular feature in TG scheme

2.3 Teaching- Learning Process

2.3.1 How does the institute plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print etc.)

Academic year starts as per the schedule provided by Shivaji University.

- ☐ The head of department conducts a meeting of faculty before the semester begins and discusses the syllabus of the program and their subject preferences are asked. Work distribution is made considering choice of electives given by the students and subject preference given by faculty. Also the academic calendar of the department is prepared which includes assessment schedule, academic events, and list of holidays which is in concurrence with the University and Institute calendar.
- ☐ The students and parents are informed about time table and academic calendar well in advance.
- ☐ All the information about continuous assessment sheet (CAS) is given to the students at the beginning of semester and informed to the students.
- ☐ The faculty prepares course file which includes detailed work plan, notes and other study material, experimental write ups, previous year university question papers, assignments, e- learning material etc. The file is evaluated by Programme audit committee regularly.

- Institute conducts two Unit Tests in a term. Performance of the student is shown to students and parents. Teacher guardian counsels the students about their academic performance.
- The mock practical and orals are also conducted and performance of student is evaluated and informed to all concerned.
- At the end of the term University conducts examination and evaluates the performance of the students.
- Institute carries out result analysis. Institute provides the information to IQAC and seeks the guidelines from it for further improvement.

2.3.2 How does IQAC contribute to improve the teaching–learning process?

IQAC contributes to improve teaching-learning process in two methods i.e. direct method and indirect method.

Direct Method:

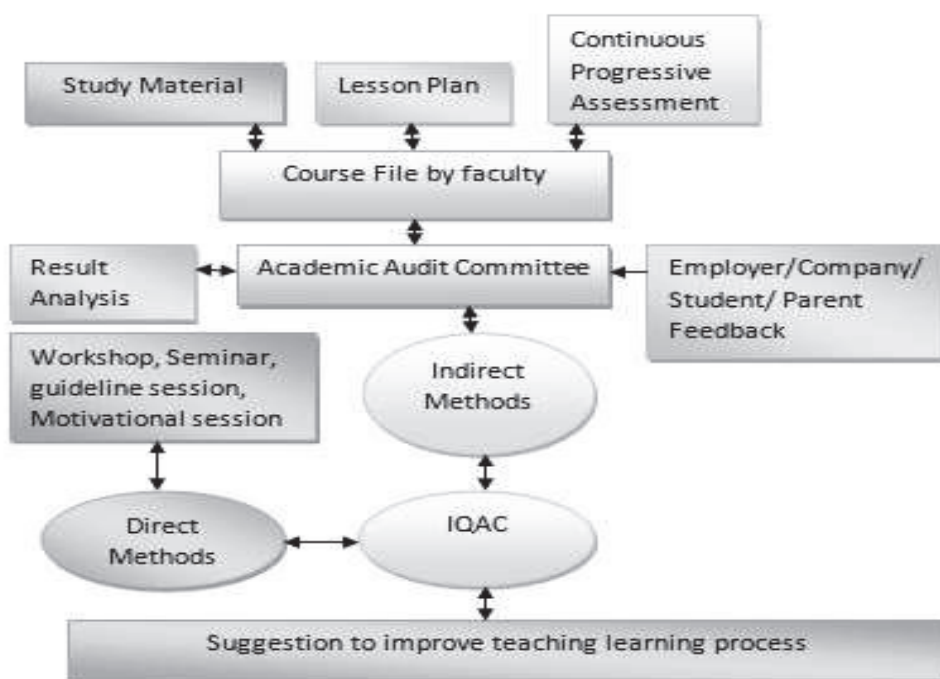
- Organization of inter and intra institutional workshops on pedagogy innovations, best practices, seminars.
- Qualitative steps are taken to integrate modern methods of teaching and learning to increase relevance and quality of academics
- Guideline session for conduction of Mock practical/oral examination, unit tests, preparation of question banks for university examinations
- Faculty development programs

Indirect Methods:

- Conducting Programme Audit for the departments once in a semester and give corrective suggestion. During the Audit course file, Notes, study material, previous year university question papers, assignments, e-learning material etc. are verified.

- Collecting feedback forms from the students about the quality of the institution and to create reforms among the faculty
- It supports for interdisciplinary activities and faculty development programs

Process of IQAC to improve teaching learning is depicted in the below figure:



2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

Student centric

To make learning more students centric following activities are carried out at departmental level.

Tuto rials	Project Exhibition	Technical Events
Assignments	Seminar	Mid-term submission
Group Discussion	Industrial visits	Guardian scheme
Mini projects	Industrial training	Continuous assessment

Students are trained and encouraged to participate in paper presentation/seminars and prepare project proposals and thus carry out the extension of their learning.
Students are encouraged to contribute technical articles to develop written skills.
Conduct seminars. Guest lectures/conferences so that the students refer many journals and reference books for seeking additional information
Attention is given to individual student through mentors both in academics and extra curricular activities
Students are motivated to apply their aquired knowledge by designing and fabricating working models and developing software etc.
Library, internet facility and language lab for value addition.
Availability of learning resources through NPTEL CDs and DVDs, Virtual Labs.
Add on courses to help in developing special skill like presentation, communication, interpersonal program etc
Taking students for industrial visits and training programs
Assigning mini projects and guiding them in accomplishment of the same.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into lifelong learners and innovators?

In line with Institute vision, conscious efforts are taken in the academic and allied activities of the Institute to nurture critical thinking, creativity and scientific temper among the students. Various activities are enumerated as follows

Critical Thinking

- ☐ Students are assigned with different practical task and hands on session during practical which leads to critical thinking in them.
- ☐ Industrial visits are organized for the students to gain practical knowledge about the functioning which gives a way to broad thinking.
- ☐ Industrial sponsored projects are allocated to the students which lead to critical thinking.

Creativity and Innovation

- ☐ Students are exposed to latest development in the industry by arranging visits to exhibitions.
- ☐ Students are motivated to read various technical magazines and journals.
- ☐ Students are motivated and guided to participate in various academic and non- academic events.

Scientific Temper

- ☐ Students are motivated and encouraged to present their work in different national/international seminar/conference/workshop and publish their work in national/ international journal.
- ☐ Faculty members are also engaged with research work in association with potential students by sharing their innovative concepts with these students.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g. Virtual laboratories, e-learning - resources from National Program on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc

Virtual Lab

Virtual laboratories have been set up in every department for practical visualization and a copy of e – learning material is kept in individual department and in digital library

Software's

The institute has Licensed software such as MATLAB, LAB view, Mi Power at Electrical Engineering department, ANSYS 14, Solidworks 2009, CAMWorks 2010 at mechanical engineering department, ORCAD 04, RS PIPE, CATIA V5 at Automobile Engineering Dept.

NPTEL

NPTEL lectures are made available to the students. In NPTEL system there is collection of Video Lectures for different engineering streams and subjects.

Web based course management (MOODLE server and FTP server):

In the Institute, Central MOODLE Server has been installed. All faculty members and students are registered members of MOODLE server. Faculty members upload the course material on their account on MOODLE server and students are enrolled to specific courses of their department. The MOODLE server is running on public IP address, which enables the members to access it from anywhere at any time. Faculty provides online tutorials, notes, study material to the students through MOODLE. Faculty upload assignment, quiz on MOODLE.

Institute has set up File Transfer Protocol (FTP) server that enables faculty to upload their study material. The students and faculties are given an independent space of 2GB each for maintaining their sensitive data in a private and secure manner. This data is available to the beholders even in case of Network Failure through the intranet.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

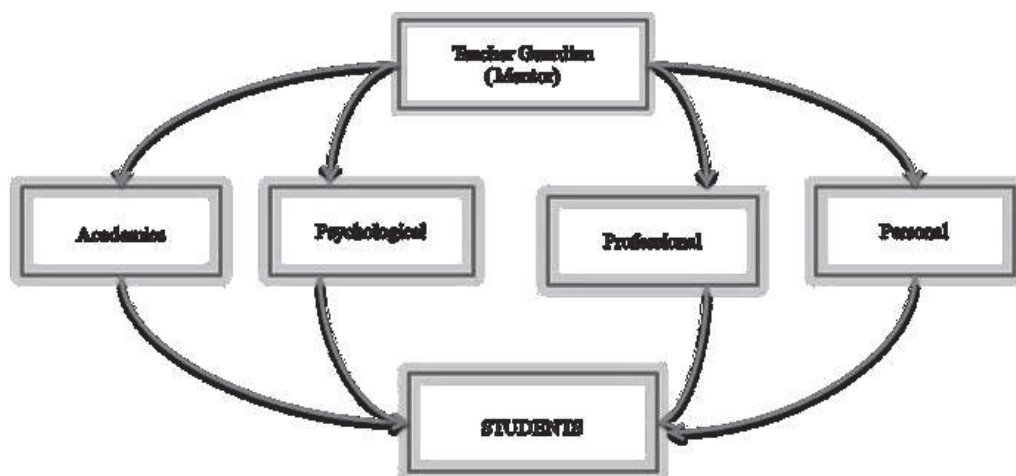
- Institute organizes guest lectures, expert lectures, seminars, conferences, workshops, for students and faculty to expose to advance level of knowledge.
- In addition, the institute deputed the faculty for seminars, conferences, workshops, STTPs organized by other institutes/ university.

- Institute organizes paper presentation competitions, and national conferences for different programs which help to acquire advanced technologies.
- Institute has the Institutional membership and students chapters of professional bodies like ISTE, ISHRAE, SAE, IETE , CSI that organize the events to get aware about latest developments in the field.
- Institute invites industry personnel to share their knowledge and latest technology with faculty and students.
- Institute organizes regular industry visits by concerned department to know the latest trends in current market and current technologies.
- Institute encourages faculty members to participate in various trainings, national, international seminars, refresher courses, workshop, industrial exhibition, job fairs.

2.3.7 Detail (process and the number of students \ benefited) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

Academic, personal and psycho social support is provided to students through mentoring at the Institute.

- Teacher Guardian (TG) scheme is followed in the Institute where every faculty is assigned 15-20 students. This scheme helps the students to overcome the psychological barriers, especially when they are admitted.
- TGs offer suggestions and advice to the student as and when needed and continuously monitor the attendance and progress of the students.



- TG is in contact with the parents of their mentees on regular basis.
- Institute conducts lectures on motivation, positive attitude, leadership qualities, stress management, moral values on regular basis.
T & P cell provides guidance to the students through its guidance cell.
- Guidance for advanced technology, competitive exams and higher studies is provided by Career Development Cell
- Various skill development courses are organized
- T&P officer gives guidelines about different avenues for placement.

Career Development Cell:

It enhances the career development, skill development and competitive exam skill development of the students in the following respect:

- It helps in guiding and preparing MPSC/UPSC exams
- It helps and guides for GATE preparation of the students
- Guest lectures and expert lectures are organized for skill development

Mentor

- ☐ HODs counsel the students and advise them from time to time about career guidance, competitive examinations, etc.
- ☐ If any personal issue about a student is observed HOD counsels the student.
- ☐ If not resolved the student is sent to the Counselor.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Faculty members do research to evolve innovative teaching methodologies. Some of the innovative teaching methodologies adopted are:

- Development of smart class rooms with web-based teaching. The teachers utilize these facilities to illustrate the concept clearly through audio/video mode.

- The teachers circulate tutorial problems, assignments, lecture notes and other relevant materials to the students.
- The students are given many tasks such as group assignment competition, problem solving and mini projects. These activities help the students to learn on their own.

Efforts made by the institution:

- Impact of innovative practices on student learning:
- Learning processes become increasingly personalized, tailored to the individuals needs and interests.
- Enabling individuals to better develop and realize their personal potential.
- Exploited to allow the learner to not only enjoy learning, but acquire skills that empower him/her to actively engage in the development of his personal skills and competences and improve their performance and achievement.

2.3.9 How are library resources used to augment the teaching learning process?

- Library is enabled with LAN, and Internet facilities.
- SLIM (OPAC) Software is used to easy access to required books/journals.
- A Digital Library is equipped 36 computers with the 20 mbps broad band Internet, 20 mbps leased Line connectivity.
- Open Access System is being followed in the Central Library and all the documents are in barcode.
- In addition to the well stocked-Library, each department has its own departmental Library to facilitate easy access to the faculty, students and research scholars.
- Online facilities which provides access to 275 National and international journals
- Separate reading sections, Discussion room for faculties and students are available. The library operates beyond college hours.
- Reprographic facility is available.
- Daily newspapers, magazines and journals are subscribed in the library.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes, following are the challenges:

- As institute is located in rural and remote area.
- Slow learner is also the challenge while completing curriculum within planned time frame.
- To bridge the gap between curriculum and industry expectations, more number of guest lecturers / expert lectures/ workshops/ events is required to organize.
- Time slots are given for all subjects as per the structure prescribed by University. But certain subjects need more time. e.g. Engineering mathematics, APM, BEE, SOM, Control system, DBMS, DSP etc.
- Prerequisite of the subject plays important role in teaching learning
- State government admission process and declaration of result time also affect academic planning.
- Ninety days are given for academics which exclude University holidays, weekly off and days required for co-curricular and extracurricular activities.

Efforts to overcome the challenges

- Institute observes some holidays as working days and make up the academics.
- Additional lectures are adjusted in time table for subjects like mathematics.
- Teachers arrange extra lectures as per the requirement and convenience.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- ☐ Once in a year, self appraisal report of faculty is evaluated by Principal and Management. On the basis of this report, appreciation letter, suggestions for improvements for better performance are given to the faculty.
- ☐ Feedback is taken from students to identify the gaps in the teaching and learning process. Subsequently the feedback is given to the faculty on the need for changes

- ☐ Classroom observation report of the faculty is taken by peer faculty members and submitted to IQAC.
- ☐ Institute appreciates the feedback of teacher by giving appreciation letters and corrective improvement action is suggested to the faculty having less feedback
- ☐ Institute monitors and evaluates the quality of teaching learning through IQAC which collects feedback from all stakeholders and on the basis of such feedback, IQAC conducts audit with the department and checks the functioning and documents as per the norms. Analyzed and evaluated report of the feedback analysis is informed to each faculty for future improvement and encouragement.

Evaluation of teaching learning quality

- ☐ Institute conducts unit test, retest, mock orals and analyzes the results.
- ☐ Evaluation of seminars, projects and mini projects is carried out.
- ☐ Analysis of the university examination result is carried out.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

Recruitment of faculty is as per AICTE norms. Applications are invited after the approval for the advertisement from the University from eligible candidates through news paper. Applications are scrutinized by scrutiny committee. The Vice Chancellor appoints the committee consisting of experts and interviews are conducted by this committee for the scrutinized candidates.

However, for appointments on temporary basis, applications are invited for walk in interviews through news paper advertisement and well qualified candidates are identified after conducting demo lectures at departmental level and the list of shortlisted candidates is submitted to the office for interviews by the final selection committee.

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	01	--	--	--	01	--	02
PG	--	--	--	--	52	07	59
Temporary teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	02	01	03
PG	--	--	--	--	21	05	26

2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programs/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- Institute recruitment process is open throughout the year and whenever Institute identifies qualified senior faculty, it conducts interviews and appoint them.
- Institute organizes expert lectures by inviting the senior and experienced persons from research organizations, industries and academic Institutes.
- Institute offers high salary packages to highly qualified/experienced faculties.
- Institute has subscribed for animated audio video CDs for different subjects, NPTEL and Spoken Tutorial which augments and fills in the gap whenever there is scarcity of qualified senior faculty in handling a specific subject.
- Institute extends services of retired faculty to get benefit of their expertise.

2.4.3 Providing details on staff development programs during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programs

Name of Department: Electronics & Telecommunication Engineering

Academic Staff Development Programme	Number of faculty nominated and Year			
	2016-17	2015-16	2014-15	2013-14
Refresher course	-	-	-	-
HRD programme (FDP)	-	11	-	-
Orientation programmes (Pedagogy/ Research Methodology/Patenting)	11	-	4	3
Staff training conducted by university	-	-	-	-
Staff training conducted by other institutes	2	4	3	4
Summer/Winter School Workshop etc.	-	6	5	4

Name of Department: Electrical

Academic Staff Development Programme	Number of faculty nominated and Year			
	2016-17	2015-16	2014-15	2013-14
Refresher course	-	-	-	-
HRD programme (FDP)	-	1	-	-
Orientation programmes (Pedagogy/ Research Methodology/Patenting)	-	-	-	-
Staff training conducted by university	3	4	4	-
Staff training conducted by other institutes	-	-	-	1
Summer/Winter School Workshop etc.	7	25	16	3

Name of Department: Civil Engineering

Academic Staff Development Programme	Number of faculty nominated and Year			
	2016-17	2015-16	2014-15	2013-14
Refresher course		01	--	--
HRD programme (FDP)	--	02	01	02
Orientation programmes (Pedagogy/ Research Methodology/Patenting)	--	01	--	--
Staff training conducted by university	--	--	--	02
Staff training conducted by other institutes	--	08	01	02
Summer/Winter School Workshop etc.	--	--	--	--

Name of Department: Computer Science and Engineering

Academic Staff Development Programme	Number of faculty nominated and Year			
	2016-17	2015-16	2014-15	2013-14
Refresher course	01	01	01	-
HRD programme (FDP)	10	14	03	-
Orientation programmes (Pedagogy/ Research Methodology/Patenting)	02	-	-	-
Staff training conducted by university	01	-	-	-
Staff training conducted by other institutes	-	-	-	-
Summer/Winter School Workshop etc.	-	-	-	-

b) Details of Training Programmes conducted: (four years data as above)

Name of Activity Training/workshop/FDP/ seminar/conference	Department	Date	Sponsoring agency/Self financed
One week FDP on applications in Engineering based on MATLAB	E&TC	21 st – 25 th December 2015	Self financed
FDP	Electrical	21/10/2015 to 25/10/2015	Self
Geo – information and Geo - design	CIVIL	1st-06th Feb 2016	Self financed
FDP	Automobile	2 to 6 Feb 2016	IHRAE, Kolhapur Sangli Sub Chapter
Green Technology and Sustainable Development	Mechanical	28-30 Jan 2016	ISTE
Piping Design and Engineering		26-27 August 2016	Self
Industrial Metallurgy		1 August 2016	Self
Awareness of Robotics		2014-15	DKTE
RTRES-13		17-22 June 2013	ISTE
Faculty Development Program on DATA-MINING AND HADOOP	Computer Science & Engineering	29/12/2015 to 02/01/2016	Self Financed
Faculty Development Program on “Emerging Trends in Cloud Computing”		18/07/16 to 23/07/16	Self Financed

c) Percentage of faculty

- **invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies ,**
- **participated in external Workshops / Seminars / Conferences recognized by national/international professional bodies**
- **presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies**

Name of Department: Electronics & Telecommunication Engineering

Name of Activity	Percentage of faculty involved			
	2016-2017	2015-16	2014-15	2013-2014
Invited as Resource Person in Workshops /seminar/ conferences	--	--	--	--
Participated in Workshops/ seminar / conferences	10%	50%	30%	40%
Presented paper in Workshops / seminar / Conferences	90%	60%	50%	40%

Name of Department : Electrical Engineering

Name of Activity	Percentage of faculty involved			
	2016-2017	2015-16	2014-15	2013-2014
Invited as Resource Person in Workshops /seminar/ conferences	-	-	-	-
Participated in Workshops/ seminar / conferences	70	20	13	30
Presented paper in Workshops / seminar / Conferences	-	60	40	80

Name of Department: Civil Engineering

Name of Activity	Percentage of faculty involved			
	2016-2017	2015-16	2014-15	2013-2014
Invited as Resource Person in Workshops /seminar/ conferences	--	--	--	No of faculty :01 Percentage :7.69
Participated in Workshops/ seminar / conferences	---	100	46.15	38.46
Presented paper in Workshops / seminar / Conferences	--	--	--	--

Name of Department: Mechanical Engineering

Name of Activity	Percentage of faculty involved			
	2016-2017	2015-16	2014-15	2013-2014
Invited as Resource Person in Workshops /seminar/ conferences	10%	10%	-	-
Participated in Workshops/ seminar / conferences	40%	30%	20%	10%
Presented paper in Workshops / seminar / Conferences	15%	15%	10%	10%

Name of Activity	Percentage of faculty involved			
	2016-2017	2015-16	2014-15	2013-2014
Invited as Resource Person in Workshops /seminar/ conferences	-	27%	-	-
Participated in Workshops/ seminar / conferences	100%	100%	25%	10%
Presented paper in Workshops / seminar / Conferences	20%	15%	10%	10%

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programs industrial engagement etc.)

To recharge the teachers, the Institute has following policies.

- Institute encourages and sponsors the faculty for post graduation, Diploma faculty
- Institute encourages faculty for PhD work
- Institute sponsors faculty for seminar, conferences, summer and winter schools and industrial training.

2.4.5 Give the number of faculty who received awards/recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Most of the teachers are new to this profession so institute motivates them towards Best Teacher appreciation. The institute appreciates best teacher awards to the best Performers in teaching yearly and till today many teachers have been achieved this appreciation. To bring overall excellence teaching or to bring the teaching up to the mark of satisfaction, the institute arranges expert lectures.

Prof. E.P. Salokhe received “Best Paper Award for Application of Foundry waste sand in manufacture of concrete”, in Second International Conference on “Emerging trends in engineering 2013, held at Dr. J. J. Magdum college of Engineering, Jaysingpur on 22 & 23 Feb.2013

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes, the Institute evaluates teachers by taking feedback from students and peers

- Once in a semester, feedback from students is taken.
- Evaluation of teachers by Peers is done once in a semester.
- Committee of Principal, HOD is formed to analyze the feedback.
- This committee along with concerned faculty analyses the feedback. The strengths and areas of improvement are identified.
- Faculty members are motivated for their efforts by Appreciation letters.
- Faculty members who have areas of improvements are advocated to improve in specified areas by deputing for FDPs.

Effects and improvements due to feedback by student and peers

- Communication skills of faculty have improved.
- Need of interaction in class is recognized and faculty have started using interactive teaching methods in the class.
- Faculty have attended FDPs on teaching pedagogies

2.5 Evaluation Process and Reforms

2.5.1. How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The institute is affiliated to Shivaji University, Kolhapur, So all the examination scheme and pattern of SU, Kolhapur has to be followed. The institute conducts Unit tests in a semester whose evaluation is done by respective course teacher and some weightage of these marks is considered in Term Work evaluation.

Practical and theory evaluation is done by the University. At university level - Practical, Oral Examination and Theory Examination are conducted and evaluation is done by the university through Central Assessment Program and our faculty contributes in the capacity of Paper Setter, Internal/External Examiner for POE, Junior/Senior Supervisor and Examiner, Moderator for Theory Examination, CAP Director and Member of Flying Squad.

- ☐ Students are clearly made aware of the eligibility conditions required to appear in the University Examination of respective semester.
- ☐ Institute notifies related evaluation process and related documentation on the notice board. This includes schedule of internal Evaluation (Tests and POE) and University examination.
- ☐ Institute also notifies the criteria for allocation of term work marks.
- ☐ Continuous assessment Sheet (CAS) for all the courses is also transparent to the students.
- ☐ Staff meetings are conducted periodically to review the evaluation process.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

Major Evaluation Reforms of the University, adopted by the Institute:

1. Theory Paper Examination (Semester wise) : Every faculty attends the Central Assessment Programme (CAP) of SU, Kolhapur for evaluation of theory papers of their concern courses.
2. Practical/Oral Exam (Semester wise) : Most of the faculty attends the practical and oral examination for evaluation of students as an internal examiner as well as external examiner as per the appointment and schedule of SU, Kolhapur
3. Project Evaluation: Project evaluation is carried out by the concern project guide and one external examiner other than home university/ industrial expert
4. Online Exam for some of the programs

Evaluation reforms Initiated by the institute:-

1. Unit Tests
2. Weekly Tests (For F.E. only)
3. Continuous Assessment for Practical and term work
4. Internal Project, Mini project and seminar evaluation is done by the internal panel of faculty appointed by concern head of programmes

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

Evaluation by Institution:

- For internal evaluation, each department of the institute is having internal test committee for smooth conduct of internal tests.
- Department conducts test as per planned schedule and assessment is done by course incharge.
- The students can see their respective answer sheets and discuss their queries with respective faculty.
- The term work evaluation is done by subject in-charge and it is considered as part of continuous assessment system. Students can discuss their queries with subject/ lab in-charge. Faculty encourages students for better performance.

University Evaluation:

- Institute ensures the university examination process with the norms and principles laid down by the university. For the examination institute provides necessary infrastructure and human resource which requires for organizing university examination as per declared schedule.
- For monitoring and smooth conduct of university exam, university appoints external senior supervisor, internal senior supervisor, flying squads.
- Examination committee of the institute allots junior supervisors duties to faculty members and informs all rules and regulations for smooth conduct of examinations.
- To conduct online examination for computer science and engineering students, Institute provides sufficient IT infrastructure. It effectively monitors the examination.
- University provides facility to students regarding photocopy of answer sheet and revaluation of answer paper as per the procedures of the University.

2.5.4 Provide details on the formative and summative assessment approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

Formative assessment approach

- ☐ Institution conducts two unit tests per course per semester
- ☐ It also promotes the student to participate in mini projects, paper presentation, workshop, Seminar etc.
- ☐ Institute arranges Industrial visit for the students and students submit the visit report which is also evaluated for term work marks.

Summative assessment approach

- ☐ For all theory and practical courses other than project work, the continuous internal assessment carrying 25/50 marks is subdivided into attendance, laboratory experiment / performance, unit test, assignments / tutorials, orals, etc.
- ☐ Project work is also evaluated through presentations before internal panel of faculty.
- ☐ The University end semester examination shall carry 100 marks for theory and 50/25 marks for practical and oral examination

Sample examples

- Improvement in university examination results.
- Student achievement in university examination.
- Increase in the number of participation in various technical events and conferences.
- Achievements in different technical events at state and national levels.

2.5.5. Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

To monitor the student progress, Institute has the continuous internal evaluation system which consists of internal assessment tests (twice in a term), evaluation of practical exercises.

- ☐ Continuous Assessment Sheet is maintained and is made transparent to students.
- ☐ In continuous assessment process, opportunities to improve marks are given to the students participating in activities based on the course like group discussion, seminar, poster presentation etc.
- ☐ Institute communicates progress report of their ward to the parents.
- ☐ It organizes parents and guardians meet to have a communication once in year.
- ☐ Affiliated university also conducts the written/theory/practical examination at the end of semester. The result of same are communicated to the student and parents on the website.
- ☐ The Institute analyses Program-wise performance of students every year.

2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

Following are the graduate attributes specified by the Institute/ affiliating university and the attainment of these attributes by the students.

- **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations. Conduct investigations of complex problems: using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.

- **Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
- **Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice
- **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
- **Life-long Learning:** Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.
- **Project Management and Finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments

Attainment of Graduate Attributes:

- Each department has well defined course objectives, course outcomes, Program education objectives and Program outcomes and those are in accordance with graduate attributes.
- Innovative teaching methods and student centric teaching – learning approach is adopted to achieve course outcomes.
- Course objectives and course outcomes are mapped with Program outcomes and Program outcomes are mapped with graduate attributes.

- Institute has set up well equipped language laboratory and ORELL Language Lab software has been installed. The activities carried out in language lab help the students to improve their verbal and non verbal communication and develop soft skill among them.
- Institute encourages the independent learning which includes paper presentation by students, project, innovative mini project, publishing the articles in news paper and gives proper weightage to these heads.

2.5.7 What are the mechanisms for Redressal of grievances with reference to evaluation both at the college and University level?

- To monitor the student progress, Institute has the continuous internal evaluation system which is very transparent. Continuous Assessment is done at the time of evaluation of term work and its assignments which are transparent to the students and students are free to discuss their queries with concerned teacher.
- For University examination, students can apply for photocopy of answer sheet. Students show the photocopy to concerned course teacher, discuss the grievances and seek advice. As per the advice, he/she can apply for revaluation of answer books to the controller of examination of university as per the procedures of the University.

2.6 STUDENT PERFORMANCE AND LEARNING OUTCOMES

2.6.1. Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

YES, Institute has clearly stated and well defined learning outcomes.

- ☐ The learning outcomes are notified by presentations, academic diaries.
- ☐ Learning outcomes are displayed in the departments.
- ☐ Learning outcomes are notified to parents during parent meet.
- ☐ Learning outcomes are uploaded on Institute website.

2.6.2 Enumerate on how the institute monitors and communicates the progress and performance of students through the duration of the course/Program? Provide an analysis of the students results/achievements (Program/course wise for last four years) and explain the differences if any and patterns of achievement across the programs/courses offered.

- To monitor the student progress, Institute has the continuous internal evaluation system which consist of unit tests (twice in term) and POE.
- Continuous Assessment sheet is prepared at every department also made transparent to the student
- Institute communicates the grades, marks obtained in the internal examination to the parents and students regularly.
- It organizes regular parents and guardians meet to have a communication with students and parents.
- The university also conducts the written/theory/practical examination at the end of semester. The result of same are made available to the student and parents.
- The Institute carries out the analysis of University examination result for each Program.

Performance of students: Pass percentage (%) final year

Courses	2015-16	2014-15	2013-2014
Automobile Engineering	89.58	100	100
Civil Engineering	100	100	94
Computer Science and Engineering	80.95	91.10	98.39
Electrical Engineering	98.70	96.77	95.83
Electronics and Telecommunication Engineering	100	100	98.8
Mechanical Engineering	95.80	95.92	87.84

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Teaching Strategies:

- Faculty development programs are conducted by the institution from time to time.
- A course file has been prepared before the beginning of each semester which includes quality policy, quality objective, program education objective, syllabus, lesson plan, assignments, previous year question papers and hand-written notes.
- Library books are procured based on the teacher syllabus requirements from college library and departmental library.
- Class visit by HODs to assess the teaching standard of faculties and suggestions for improvement if required.

Learning Strategies:

- The institution has a conducive learning environment. Slow learners and advance learners are identified and given remedial classes and special assignment respectively.
- Library and computer lab working hours are scheduled keeping in mind the extended support these departments can extend after regular class hours.

Assessment Strategies:

- Classroom interactions help teachers to assess the learning outcome of that session Regular tests and exams are conducted and the result analysis done.
- Library issues book bank (text books prescribed in the curriculum) to every student before the commencement of each semester. Apart from these books, library books are also issued to the students for prescribed time.
- The institution also has Teacher Guardian scheme, mentoring and counseling scheme to cater to the diverse requirements of the students.
- The training and placement cell of the college nurtures the entrepreneurial skills of the students, and encourages student in public speaking and group discussion through Personality Development Programs and Campus Connect Programs.

- The Language Laboratory encourages students in creative writing, vocabulary and language exercises.
- The sports committee caters to the physical development of the students by not only encouraging them, to participate in various sports but also develop sportsmanship in them.
- Guest lectures, workshops, seminars and conferences are conducted by every department for graduate and postgraduate students

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

- Institute has set up separate entrepreneurship development cell that organizes different programs to inculcate skills of entrepreneurship amongst the students.
- Training and placement department conducts different training programs to enhance employability of the students.
- Institute has structured research committee with the objective to develop research environment in the Institute and motivate faculty and students to get actively involved in research projects. It also helps the faculty to apply for research projects funded by professional bodies
- Students are encouraged to take social issues as their problems for mini and major projects.

2.6.5 How does the institution collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

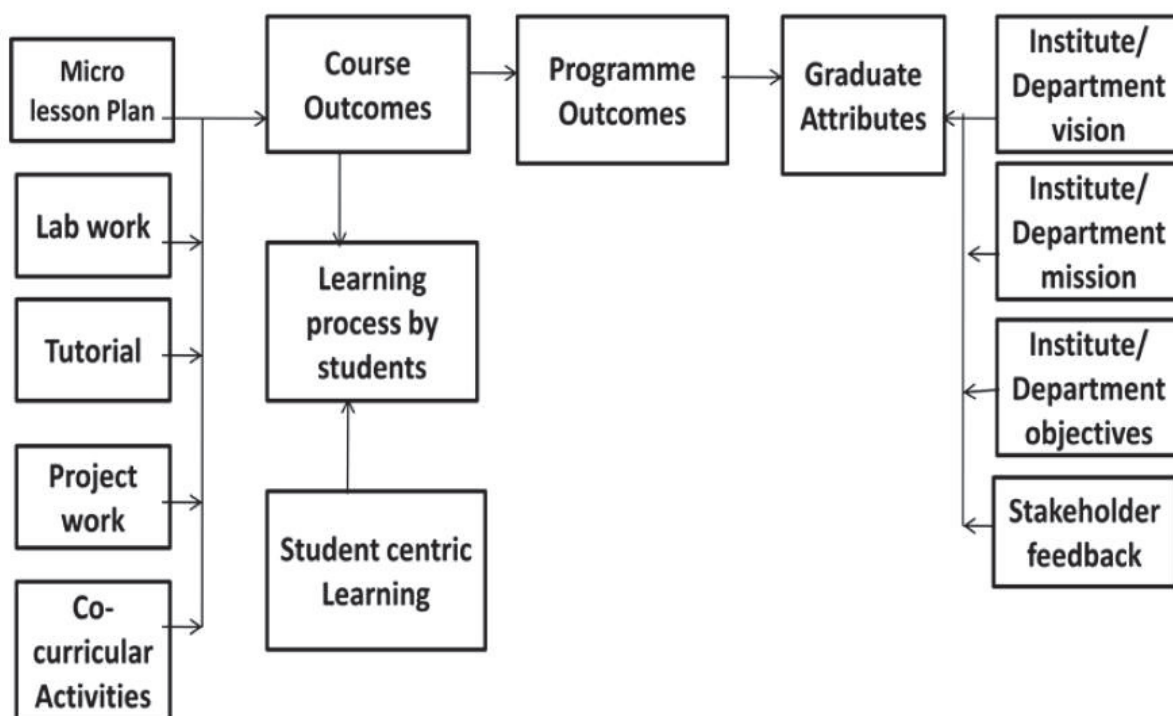
For collecting and analyzing the students' performance and learning outcomes, unit test result analysis, continuous assessment, performance in university examination as well as performance in project and seminar activity is considered.

Depending on this, institute has taken following steps to overcome barriers:

- Faculty notes are made available for students.
- Extra lectures, re-test, guest lectures are organized for students.
- Teachers ensure whether students attend their classes regularly or not and every student actively takes part in all activities conducted by institute. Parents are regularly informed if any student is having less attendance.

- Institute keeps laboratories open after the working hours so that students will be able to do extra practice.
- The regular evaluation of teachers (syllabus monitoring, faculty feedback) helps in improvement of learning outcomes.
- If needed, counseling is done by HOD, Principal and corrective actions/measures are taken.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?



2.6.7 Does the institution and individual teachers use assessment / evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes,

- Individual teachers use assessment/evaluation as an indicator for evaluating student performance. Different evaluation methods are used as per the need of the course.
- Every course teacher defines course objectives and course outcomes and designs lesson plan and lecture plan in conformation with the course objectives and adopts innovative teaching methods to achieve the same.
- Students participate in different academic activities viz tutorial, mini projects, solution of numerical problems, quiz, seminar, oral etc. These activities help to assess proficiency of students in application of mathematical and engineering concepts, effective communication skills. This process helps in achievement of learning outcomes.
- Teacher monitors the laboratory skill developed by students during practical sessions.

CRITERION III: RESEARCH CONSULTANCY AND EXTENTION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

No. However, a research committee has been formed to monitor the research activities of the institute. Institute has set up an institutional Research & Development cell to monitor all R&D activities. Department of Mechanical Engineering is running PG program in Mechanical-Design Engineering and Department of Electronics and Telecommunication Engineering is running PG program in Electronics and Telecommunication Engineering.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, a research committee has been established by the institution to monitor and address the issues related to research. The R & D Cell committee is comprised of senior faculty members from various departments of the Institution to represent the departmental research related issues. The composition of the committee is listed below.

Sr. No.	Name	Designation	Position
1.	Dr. G. V. Mulgund	Principal, SETI, Panhala	Chairman
2.	Mr. Y.R.Naik	Assistant Professor, Electrical Engineering	Coordinator
3.	Dr. Vishal Patil	Head, General Engineering and Sciences	Member
4.	Mr. A.N.Naik	Assistant Professor, Mechanical Engineering	Member
5.	Mr. M.H.Momin	Assistant Professor, Civil Engineering	Member
6.	Mr. C.R. Dongersane	Assistant Professor, Electronics & Telecommunication Engineering	Member
7.	Mr.M.M. Hajare	Assistant Professor, Computer Science & Engineering	Member
8.	Mr. A.P. Bhosale	Assistant Professor, Automobile Engineering	Member

- Some recommendations of the research committee are:

- The faculty should increase the number of research publications and patents
- The institute should organize seminars/conferences/workshops
- The institute should motivate students to participate in research activities and publish papers
- The institute should improve interaction between different departments for interdisciplinary research
- The institute should prepare research proposals for different issues for getting funds from government agencies and private institutions.

• **Impact of the Recommendations of Research Committee:**

For the research activities and inculcating the research culture at the Institute level, a policy is formulated for financial and other required support for research promotion. The researchers are financially supported for organizing and attending the research activities like Workshops, Seminars, National and International Conferences, Faculty Development Programs etc.

Awareness is created among the faculty by conducting the programs related to Patenting and Intellectual Property Rights so as to enhance the research culture.

- Increase in the publications by the faculty members in national/international journals
- Students participate in various technical competitions
- Interdisciplinary projects have been initiated by the faculty and students
- The work with different industries and institutes for research lab development has been started by the Institute.
- Seminars and workshops are organized frequently in the emerging areas of Engineering and Technology
- Ph.D. registrations have been observed and increased significantly.
- Numbers of final year projects are appreciated and got prizes in different national level project competitions

Activities carried out / facilities provided at the institute level to facilitate the research:

- Various Purchase of High end equipments to execute PG projects to Mechanical And ETC departments.
- Patenting workshop was organized to make aware the entire faculty regarding Intellectual property Rights.
- Faculties are promoted to attend workshops related to Research Methodology
- Special arrangements of Infrastructure and equipments were made for PhD. Pursuing faculties as and when demanded

3.1.3 What are the measures taken by the institution to facilitate smooth progress and Implementation of research schemes/projects?

The Research and Development cell gives required guidance/ support for securing research projects and also to complete the research assignments within the scheduled time.

Autonomy to the Researcher: Full autonomy is given to the Researcher by the institution to facilitate smooth progress and implementation of research schemes / projects.

Timely Availability or Release of Resources: The Institution creates all necessary arrangements for timely availability or release of resources for smooth progress and implementation of research schemes/ projects as per the needs.

Adequate Infrastructure and Human Resources: Adequate infrastructure and human resources are provided by the institution for smooth progress and implementation of research schemes/ projects. The college authority provides space to carry out research activities. The facilities like computer and internet are provided to all departments. Books and journals are made available for research activity.

Time-off, reduced teaching load, special leave etc. to teachers: The institute reduces teaching load for the research work of faculty. However duty leave is granted as per the demand.

Support in terms of technology and information needs: Internet, LAN, journals and e-journals subscription is made available for the Researcher by the institution to facilitate smooth progress of research.

Any other:

The institute helps to enhance the research culture among students and faculty.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The efforts made by the institution in developing scientific temper, research culture and aptitude among students are as follows:

- Institute has procured latest equipments, upgraded library facilities and subscribed research journals and e-journals.
- Institute promotes and motivate the students to participate in various technical symposiums, paper presentation, and project competition. Students are advised to publish project/ research work in various national and international seminars and journals to develop their scientific temper.
- Institute also organizes technical event for the students to explore their talent such as Parikramaa, Constrostav, Programming competition etc.
- Students have won prizes in various technical competitions at national level.
- Students are also encouraged to participate inter Institutes/university level competition like Avishkar, IIT Tech Fest, NIRMITI, etc.
- Students are motivated to participate in competitions like BAJA from SAE INDIA, e-yantra, ISHRAE student chapter, etc.
- Expert lectures of eminent personalities from industry and academics are arranged.
- Institute organizes industrial visits within and beyond curriculum. No charges are taken from students to visit nearby industries.
- The required technical support, workshop facility, laboratories and financial support is also given from the Institute.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.).

Guiding student research:

The UG and PG faculty members are actively involved in guiding student research. Many papers are published by the UG and PG students and

faculty members of various departments in national and international conferences/ seminars and journals.

Faculty guides the UG and PG students for seminars, projects and technical papers.

Faculty is also associated in the industry sponsored projects. Most of the final year projects are industry sponsored under the guidance of faculty.

Faculty regularly presents research papers in conferences and journals.

Faculty presents the research papers along with the students in conferences.

Status of Faculty Registration for PhD

Ph. D. Status	No. of Faculty
Completed	01
Pursuing	21

3.1.6 Give details of workshops/training programmes/sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Institute emphasizes on capacity building in terms of research and imbibing research culture among the staff and students. To achieve it, institute organizes different programs.

List of programs conducted/organized by the institution is given below.

Department of CIVIL Engineering

Name of the Seminar/ Workshop/ Conference	Associated Institute/ Industry	Resource Persons	Target Audience
2015-16			
Geo-information and Geo-Design	ISTE	1.Dr. A.M.Zende 2.Mr.P.K.Deshpande 3.Dr. A.S. Yadav 4.Prof. S.V.Chikurde	Faculty members Industry Person Students

Department of Computer Science and engineering

Name of the Seminar/ Workshop/ Conference	Associated Institute/ Industry	Resource Persons	Target Audience
2015-16			
Android Technology	Infosys LTD Pune	Mr. Swapnil Bharde	TE and BE students
Faculty Development workshop on DATA-MINING AND HADOOP	DKTE Ichalkaranji and Walchand Sangli	1.Prof. P. J. Kulkarni 2.Prof. D. V. Kodwade	Faculties from the University
Student development workshop on open source web Technologies	Director Digital Freedom Foundation, Mumbai.	Mr. Krishnkant Mane	TE and BE students
2014-15			
Workshop on LATEX	Inhouse	Prof. Sunil N. More	SE students
Report writing using LATEX	Inhouse	1.Mr. Bharat Sharma 2.Mr. Rohit Satardekar	BE students

Department of Electrical Engineering

Name of the Seminar/ Workshop/ Conference	Associated Institute/ Industry	Resource Persons	Target Audience
2015-16			
Interdepartmental workshop on CATIA	Electrical department	Prof. Deokar V.H.	Staff and students of electrical department

Department of Electronics and Telecommunication Engineering

Name of the Seminar/ Workshop/ Conference	Associated Institute/ Industry	Resource Persons	Target Audience
--	---------------------------------------	-------------------------	------------------------

2015-16			
Recent trends in Matlab	Inhouse	Mr. Mushtak Gadkari	32
ROBOAVR	Robogenesis	Mr. Sushant Singh	72

Department of Mechanical Engineering

Name of the Seminar/ Workshop/ Conference	Associated Institute/ Industry	Resource Persons	Target Audience
2015-16			
Green Technology and Sustainable Development	ISTE	Dr. G. S. Kulkarni Dr. A.N. Chapgaon Dr. C. H. Bhosale Dr. N. N. Shinde	25
Piping Design and Engineering	Inhouse	Mr Sunil Powar	40
2014-15			
Awareness of Robotics	DKTE	Prof U. A. Nuli	40
2013-14			
RTRES-13	ISTE	1.Dr. C. H. Bhosale 2.Dr. N. N. Shinde 3.Dr. S. H. Jagamashetti 4.Dr. S. V. Ranade 5.Dr. P. K. Katti 6.Dr. K. Vadirajacharya 7.Dr. D. R. Joshi 8.Dr. D. B. Kulkarni 9.Dr. G. S. Kulkarni	30
Technistone-2013	Inhouse		50

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

The following table gives Department wise Expertise & Area of Specialization :

Name of Department	Areas of Specialization	Name of the Expertise
Mechanical Engineering	Heat and Power	Prof. R. S. Kulkarni Prof. S. P. Nangare Prof. S. G. Arvindkumar
	Design Engineering, Production, CAD CAM CAE, Composite material	Prof. V. H. Deokar Prof. U. S. Ghorpade
		Prof. A. N. Naik
		Prof. G. C. Koli
	Energy Engineering	Prof. A. A. Katkar
Automobile Engineering	Alternative Fuels	Prof. D. S. Virkar Prof. S. K. Pisal
	Composite Materials	Prof. D. G. Bhosale
Computer Science and Engineering	Image Processing & Neural Network	Prof. Sameer S. Bhosale
	Computer Programming	Prof. Jagannath B. Metkari
	Web Mining	Prof. Pramod S. Landge
	Image Processing & Wireless Sensor Network	Prof. Sunil N. More
	Image Processing	Prof. Mangesh M. Hajare
	Operating Systems	Prof. Rahul S. Nejkar
	Cloud Computing	Prof. Amol S. Belekar
	Computer Network	Prof. Priyanka L. Gaikwad
	Image Processing	Prof. Pravin R. Kamble
	Natural Language Processing	Prof. Samrat A. Babar

Civil Engineering Department	Structures	Prof. Mohite B.M.
	Construction & Management	Prof. Salokhe E. P.
	Structures	Prof. Chavan S. S.
	Structures	Prof. Thoke A.C.
	Structures	Prof. Khebudkar A. K.
	Environmental	Prof. Shinde S. M.
	Structures	Prof. Mevekari J. S.
	Construction & Management	Prof. Gavade J.J.
	Geotechnical	Prof. Agnihotri S. A.
	Structures	Prof. Dhende A.N.
	Structures	Prof. Momin A. M.
	Geology	Prof. Bhosale H. D.
	Construction & Management	Prof. Momin M. H.
Electronics and Telecommunication Engineering	Image Processing	Mr. S. T. Jadhav
	Computer Network	Ms. T. T. Mohite Patil
	Digital Signal Processing	Mr. V. S. Mane
	Power Electronics	Mr. S. V. Vanmore
	Control Systems	Ms. P. Y. Bhosale
	Wireless Communication	Mr. C. R. Dongarsane
	VLSI and Embedded system	Mr. S. N. Shinde
	Image Processing	Ms. S. S. Lad
	Embedded System	Mr. C. M. Gaikwad
	Image Processing	Mr. S. P. Patil
	Antenna and Wave Propagation	Ms. P. U. Mohite
	Power Electronics	Ms. P. B. Shikalgar
	Embedded System	Mr. S. A. Maske
	Communication Engineering	Ms. M. B. Sutar

Electrical Engineering	Electrical Power Systems	Mr. P.P.Kulkarni
	Power Systems	Mr. N.S.Jadhav
	Power Systems	Mr.A.M. Bhandare
	Control Systems	Mr. A.P Redekar
	Power Systems	Mr.V.T. Metkari
	Power Systems	Mr. Y.R.Naik
	Power Systems	Mr. P.B.Gurav
	Power Systems	Mr.D.R.Shelar
	Power Systems	Ms.P.G.Bendre
	Power & Energy	Mr.S.M.Patil

3.1.8. Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institute has research and development committee in which outside industrial persons are members who interact with teachers and students.

Institute organizes national level conferences, workshops, seminars and technical events as the important tools of collaboration where experts from academia and industries are invited for delivering special lectures and interact with teachers and students for the better understanding of research methodology and currently followed practices.

Various short-term training and certificate programs for faculty and students are organized, for which experts are invited to deliver special lectures and deliberations on important issues.

Institution initiates and promotes MoUs with industries and institutes.

Professional Associations Institute Chapters like ISTE, ISHRAE, IETE, CSI etc. are always active in organizing the technical events.

Eminent researchers and industry persons are also appointed on various bodies of institute.

Sr.no.	Name of eminent person	From institute	Name of advisory committee
1.	Dr.V.V.Karjini	Principal, KIT,s college of Engineering	IQAC member
2.	Dr.A.S.Padalkar	Principal, Flora institute of technology, Pune	DAB, member, Mechnaical
3.	Dr.H.S. Jadhav	Dean Polytechnic, RIT, Rajaramnagar	DAB, member Civil
4.	Dr.D.G.Thombare	Dean Students welfare, RIT, Rajaramnagar	Member, BOG
5.	Dr.S.H.Powar	Former V.C., Dr. D.Y.Patil Deemed University, Pune	Member, BOG
6.	Mr.Nitin Wadikar	CEO, Maharashtra group of Industries	Member, BOG
7.	Mr.Sanket Vathare	M.D., Atlanta Metallurgical Services	Research cell member
8.	Mr.Dhairiyashil Patil	M.D., Vidyati Technology, Kolhapur	DAB, member E&TC
9.	Mr.Sandeep J. Kamble	A. E. MAHADISCOM	DAB, member Elec
10.	Dr. Vidula Swami	Faculty ,KIT,s college of Engineering	DAB, member Civil
11.	Dr. D. V. Kodawade	HOD CSE, DKTE, Ichalkaranji	DAB, member CSE
12.	Dr. More D.S.	Faculty,WCE, Sangli	DAB, member Elec
13.	Dr. S. D. Yadav	Ex-Member BOS , RIT, Rajaramnagar	DAB, member Auto

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

As a policy the institute has provision of study leave. The faculty members who are pursuing Ph.D. are granted study leave to carry out their research work. The institution also provides duty leave to faculty for participating and presenting papers at national and international seminars, conferences, industrial training and workshops. This helps the faculty members to interact with researchers and academicians and boost their interest towards research.

Based on the research area, faculty members are utilizing laboratories and other facilities of the institute. Students are also avail the use of laboratories to broaden their research horizon.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

Institute organizes project exhibition, poster competition etc. for all students and society. The institute is planning to have its own research centre in mechanical engineering in this regard some of high end equipments like Devesoft Vibration Analyzer tool and software have been purchased. The institute is in the process of development of research culture in the campus. Also initiatives are taken by the institution for developing awareness about the new findings among the society.

The institute organized patenting awareness programme for faculties:- One day Seminar on “Intellectual Property Rights and Patenting” conducted by Prof. P.P. Deshpande from RIT, Rajaramnagar

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

Budget Head	Expenditure in Lakhs		
	2013-14	2014-15	2015-16
Lab up gradation/ Equipments/ Software	1.81	0.58	1.70
Organizing/Attending Conferences /Training	0.80	0.40	0.90
Total	2.61	0.98	2.6

The institute has good library facility with provision of E-journals/Hard bound volumes of journals and periodicals magazines and the details of purchase in Rupees are as below:

Budget Head	2013-14	2014-15	2015-16
Journals/Periodicals	20,500	--	31,500
E-resources	3,41,830	4,98,498	5,56,756

Apart from this reference books of worth Rs. 2,93,667 were purchased in last three years to assist the research activity

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

Yes. The college provides seed money to buy equipments to setup research labs. The college also provides sponsorship for faculty members for attending national level conferences, workshops, seminars and faculty development programs.

Detail of seed money:

Department	Title of Research	Name of Investigator	Amount (Rs.)	Year
Basic Science	Synthesis of Polymer thin film	D.B. Shirgaonkar	35,338	2013-14

3.2.3 What are the financial provisions made available to support student research projects by students?

Students are motivated to take research projects for which policy based financial assistance is provided from the institute. The institute has developed project laboratories to exhibit project.

Institute provides financial support for traveling and boarding to students who participate in various curricular and extra-curricular activities as per Shivaji University Norms.

Necessary raw material and consumables are provided free of cost for research projects of students.

Institute has purchased various equipments and software in laboratories which help students for their research work.

Institute provides infrastructure and resources after working hours for their project/research work.

Institute initiated National Level Technical Symposium "Parikramaa" and "Constrotsav" through Student Association of the institute.

Institute has signed MoUs with different industries and institutes where student gets opportunities to work on their sponsored projects.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The institute has Research and Development cell that organizes open discussion/ presentation on research activities of faculty and students. This results into generation of new ideas that leads towards interdisciplinary research. Students undertake interdisciplinary projects. Faculty members of Electronics and Telecommunication department and mechanical department working on interdisciplinary projects mentioned below

Name of faculty	Title of project	Funding agency	status
V. H. Deokar(Mech)	Modeling, simulation and Experimental validation of Solar water pumping system	Self financed	In process
V. S. Mane(E&TC)			

The identified major challenges for interdisciplinary research are-

- There is Lack of awareness about importance of interdisciplinary projects.
- Unfamiliarity of interdisciplinary scope, applications and relevance.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

To ensure optimal use of various equipment and research facilities issue and usage register is maintained. The students are encouraged to use laboratory equipments for their research and project work. Interdisciplinary use of equipment is permitted. Students are allowed to use the equipments outside the campus as per project needs. Institute has facility of 40 Mbps internet connectivity to all computers, as well as 24X7 Wi-Fi connectivity in the campus. The institute has subscribed for selected e-journals and hard bound volumes of journals and students are encouraged to avail the facility for their projects.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

No, the institute motivates the faculty to fetch such grants from various agencies.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

Institute has initiated to develop awareness for preparation of research proposals among the faculty.

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The following facilities are provided to students, faculty and research scholars

- High end equipment for conducting basic and advance research.
- Internet facility.
- Well equipped library with Online Journal Subscription.
- Software and development tools like MATLAB, LABVIEW, Mi-power, ANSYS, NETSIM, ETAB, .NET, DELCAM, STAAD Pro, Solid Works etc.
- Three high performance Graphical Processing Unit machines.
- 24x7 Wi-Fi enabled campus and internet connectivity up to 40 Mbps.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

Institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers are: Encouraging faculty and students to attend research programs, workshop, seminars, and conferences conducted in the institute and at other organizations. Institute provides registration fee, conveyance, and on-duty leave.

Encouraging faculty members to organize research workshop, seminars, and conferences self-financed and external funding agencies. Management has shown the willingness to provide necessary funding. From this year onwards as per suggestions of Research and Development cell institute has introduced the “BEST RESEARCH PROJECT” scheme for UG student. High bandwidth Internet facility along with Wi-Fi connectivity is provided in the campus to the faculty and students for carrying research works.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments/facilities created during the last four years.

No, the institute has not received any special grants or finances from the industry or other funding agencies.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?

- MoU with different organizations and centers to avail resources sharing.
- Institute encourages students and faculty to visit industries and research organizations.
- Sponsors students for participating in technical competitions and exhibitions.
- Departmental library which provides support to researcher.

3.3.5 Provide details on the library/information resource centre or any other facilities available specifically for the researchers?

- Institute has central library as well as departmental library
- Campus is Wi-Fi enabled with Internet bandwidth of 40 Mbps.
- The laboratories, library and other facilities are made available for extended hours for students and faculty for carrying out research.
- The institute provides free access of e-journals like IEEE, Science Direct etc. for students and faculty members.
- Central Library consist digital library in which numbers of audio video resources along with NPTEL videos are available.

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the Institute. For ex. Laboratories, library, instruments, computers, new technology etc.

- Institute has setup E-yantra Robotics lab in association with IIT Bombay.
- Institute has MoUs with various organizations such as Kolhapur's Institute of Technology, Tata Technology Ltd.Pune, Atlanta Metallurgical Services Kolhapur etc.
- Nearby industries offer sponsored projects to the UG and PG students as well as they offer industrial training to the UG and PG students.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product). Original research contributing to product improvement Research studies or surveys benefiting the community or improving the services. Research inputs contributing to new initiatives and social development

Institute is committed to serve the society through research initiatives. In connection with this various research activities are going on in the institute. Following are the faculty research publications :

Name of Department	No. of Publication			
	International Journal	National Journal	International Conference	National Conference
Automobile	10	-	04	10
Civil	10	-	12	1
CSE	18	-	01	05
Electrical	09	-	14	05
E&TC	45	20	17	12
Mechanical	13	2	28	25
General science	12		04	06

Prof. E.P. Salokhe received “Best Paper Award for Application of Foundry waste sand in manufacture of concrete”, in Second International Conference on “Emerging trends in engineering 2013, held at Dr. J. J. Magdum college of Engineering, Jaysingpur on 22 & 23 Feb.2013

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

No. However, Institute published conference proceeding of the National Conference on Recent Advances in Engineering 2012 which is published by New age International for which the faculty members worked as editorial members of their areas of expertise.

3.4.3 Give details of publications by the faculty and students: Publication per faculty Number of papers published by faculty and students in peer reviewed journals (national/international)

Details of faculty publications are given below:

Department of Automobile Engineering

Name of Faculty	No. of Publication			
	IJ (Intjournal)	NJ (national journal)	IC(international conference)	NC (international conference)
S. L. Ghodake	-	-	1	4
S. P. Jadhav	-	-	-	1
D. G. Bhosale	2	-	-	2
A.P. Bhosale	2	-	-	-
S. k. Pisal	1	-	-	-
M. M. Bepari	-	-	3	-
D. S. Virkar	2	-	-	1
M. a. Patil	1	-	-	1
Y. A. Ingale	1	-	-	-
R. A. Thorat	1	-	-	1

Department of Civil Engineering

Name of Faculty	No. of Publication			
	IJ (international journal)	NJ (national journal)	IC (international conference)	NC (international conference)
Prof. Salokhe E. P.	01		01	
Prof. Chavan S. S.	01		02	01
Prof. Shinde S. M.	01		01	
Prof. Gavade J.J.	01			
Prof. Bhosale H. D.	05		02	
Prof. Momin M. H.	01			

Department of Computer Engineering

Name of Faculty	No. of Publication			
	IJ	NJ	IC	NC
Prof. Sameer S. Bhosale	1	-	-	-
Prof. Jagannath B. Metkari	1	-	1	1
Prof. Pramod S. Landge	4	-	-	-
Prof. Sunil N. More	2	-	-	-
Prof. Mangesh M. Hajare	1	-	-	-
Prof. Rahul S. Nejkar	2	-	-	3
Prof. Amol S. Belekar	1	-	-	-
Prof. Priyanka L. Gaikwad	1	-	-	1
Prof. Pravin R. Kamble	3	-	-	-
Prof. Samrat A. Babar	2	-	-	-

Department of Electrical Engineering

Name of Department	No. of Publication			
	International Journal	National Journal	International Conference	National Conference
Prof. P. P. Kulkarni	2	-	2	---
Prof. Naik Yogesh R.	1	--	2	1
Prof. Jadhav Nilesh S.	-	-	2	1
Prof. Metkari Vishal T.	1	--	1	1
Prof. Gurav Pramod B.	--	--	1	--
Prof. Bendre P. G.	1	--	1	--
Prof. Bhandare A. M.	--	--	2	2
Prof. Shelar. D. R.	1	--	2	-
Prof. Redekar A. P.	3	--	1	-

Department of Electronics and Telecommunication Engineering

Name of Faculty	No. of Publication			
	IJ (Int journal)	NJ (national journal)	IC (international conference)	NC (international conference)
S. T. Jadhav	4	8	2	4
T. T. Mohite Patil	8	10	5	4
V. S. Mane	4	-	1	-
S. V. Vanmore	3	-	1	-
P. Y. Bhosale	4	-	-	-
S. N. Shinde	4	-	3	2
C. R. Dongarsane	3	2	2	-
S. P. Patil	2	-	1	-
S. S. Lad	4	-	-	2
P. U. Mohite	2	-	-	-
C. M. Gaikwad	1	-	1	-
P. B. Shikalgar	4	-	1	-
S. A. Maske	1	-	-	-
M. B. Sutar	1	-	-	-

Department of Mechanical Engineering

Name of Faculty	No. of Publication				Books/Monograph/Chapter Published	Patents
	IJ	NJ	IC	NC		
Prof. Nagare S.P.	1	0	1	7	1	-
Prof. S.G. Arvindkumar			4	2	4	
Prof. Kulkarni R.S.			4		4	
Prof. Vanmore V.V.	1	2				
Prof. Koli G.C.	1		5			
Prof. Katkar A.A.	1		3	5		
Prof. Deshmukh S.B.			3	2		
Prof. Deokar V.H.			1			
Prof. Ghorpade U.S	1		5			
Prof. Atigre P.S.	1		1			
Prof. Patil D. V.	1			3		
Prof. Urunkar R.U.	1					
Prof. Chavan A. B.				1		
Prof. Thorat V. D.	1		1			
Prof. Katkar A. S.				1		
Prof. Bhosale A.T.	2					
Prof. Shelake A.S.	1					
Prof. Patil S. J.	1					
Prof. Topugade R. M.	2					

Department of General Engineering Science

Name of Faculty	No. of Publication			
	IJ	NJ	IC	NC
Dr. V. A. Patil	11		4	5
Mr. D. B. Shirgaonkar	01			01

3.4.4 Provide details (if any) of Research awards received by the faculty
NA**3.5 Consultancy****3.5.1 Give details of the systems and strategies for establishing institute industry interface?**

The institution has separate Training and Placement Cell (T&P) and Entrepreneurship Development Cell (EDC) that encourages forging a relationship between the industry and the institution. Individual department interacts with industry to ascertain its needs to fill the gap in curriculum by arranging workshops. Training and Placement officer interacts with industry and arranges campus interviews.

Institution interfaces with Industry as follows:

- Industrial visits for students and faculty members.
- Institute has MoUs with various industries.
- Encourage industrial trainings to the students and faculty members.
- Promotes consultancy and sponsored projects.
- Expert lectures by industry persons for the students.
- Conducting joint technical programs and events.
- Organizes seminars on entrepreneurship development.
- Sponsorship of projects to UG and PG students.

3.5.2 What is the stated policy of the institution to promote consultancy?**How is the available expertise advocated and publicized?**

Consultancy work is carried out with outside agencies/industries to provide solution to industrial problems by sharing the expertise and laboratory. The distribution of funds received depends on the type of consultancy. The amount received by institute through consultancy is utilized for development of research facility in respective department.

Expertise are advocated and publicized in the following manner:

- Updated information about the institution is periodically communicated to the prospective companies to highlight the latest achievements /advancements made by the faculty including the addition of facilities.
- Institute encourages faculty members for providing consultancy to industry.
- The concerned faculty members are provided on-duty leave while the consultation work is underway.
- Major areas of expertise are advertised through college website.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy service?

The institute encourages the staff to utilize their expertise and available facilities for consultancy services in the following ways:

- Faculty members who are expert in specific fields are encouraged for executing consultancy works with the industries by offering maximum share of revenue generated through consultancy work.
- Faculty members are encouraged to obtain consultancy work.
- Softwares, laboratory equipments and journal subscriptions are provided as per requirement.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The details of consultancy services provided by the institute have been stated as follows:

Details of consultancy services provided by Civil Engineering Department

Year	Type of Project	Type of consultancy	Client Name	Amount Received
2013-14	Gymnasium Hall	Steel Testing	Dy. Engineer, Panchayat samiti Panhala	3200/-
	Tunnel construction	Cement Testing	Sub-Divisional Engineer Urmodi canal satara (SMS Infra structure Nagpur)	5600/-
	Tunnel construction	Cement Testing	Sub-Divisional Engineer Urmodi canal satara (SMS Infra structure Nagpur)	14000/-
2014-15	Building Construction	Cube Testing	Bhagyashri Enterprises kodoli	450/-
	Third party audit		Chiefs officer Panhala hill station municipal council	15000/-
2015-16	Building Construction	Steel Testing	Junior Engineer (construction) panchayat samiti panhala	2400/-
	BIO-plant construction shirala	Concrete cores	ACE Infrastructure and Co. kolhapur	800/-
2016-17	Building Construction	Cube testing	Suraj ecohomes Injole	300/-
	Building Construction	Cube testing	Suraj ecohomes Injole	300/-

Details of consultancy services provided by Mechanical Engineering Department

Year	Type of Project	Type of consultancy	Client Name	Amount Received
2013-14	Experimental stress analysis	Institute, Instrument and faculty	Mr. Pradip Patil, G.P.I. Kolhapur	5000
2013-14	Experimental stress analysis of composite leaf spring	Institute, Instrument and faculty	Mr. Jaydeep Patil, ADCET, Ashta	3000
2013-14	Valve stress analysis	Institute, Instrument and faculty	G.P.I., Kolhapur	3000
2013-14	Experimental stress analysis and vibration analysis of 'C' spring	Institute, Instrument and faculty	Mr. D. S. Patil, TKIET, Warananagar	6000
2016-17	Experimental stress analysis of plastic gear of steering system	Institute, Instrument and faculty	Mr. Y. A. Ingale, Bharati Vidyapeeth College of engineering, Kolhapur	-
2016-17	Vibration analysis of finned tube array	Institute, Instrument and faculty	Mr. Maniyar Aslam, RIT, Islampur	12000

Along with this, institute offers consultancy services in following areas:

Name of Department	Consultancy Services offered
Mechanical	Vibration, Metallurgy, Micromachining, renewable energy, Energy Audit
Civil	Cube Testing, Cement testing, Water testing, Third party audit, Steel testing, Soil testing
Electrical	UPS Testing, High Voltage Lab conduction fro SGMCOE, Mahgaon, Transformer Oil Testing, Energy Conservation to Software Lab

- The institute has Infrastructure development and Building Maintenance committee which provides maintenance services for the institute.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

Institute has consultancy policy in place for sharing the income generated through consultancy. To motivate faculty members, the maximum share of revenue generated given to them.

The details are given below:

Sr. no	Type of Work	% Distribution of Funds		
		Institute	Faculty	Administration
1	Knowledge base	35	65	0
2	Consultancy projects by using institute infrastructure and equipment/ software	50	40	10
3	Equipment Service	50	40	10

Institution share is utilized for development of research facilities for respective department.

3.6 Institutional Social Responsibility (ISR) and Extension Activities

3.6.1 How does the institution promote institution-neighborhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- The institute always motivates students for participation in social activities and drives for adhering to ethical values. All students involved in social activities like drive against pollution, social awareness, blood donation in the nearby rural area through the students associations.
- The institute ensures holistic environment amongst the students as well as staff to make them responsible citizens. There are group of students working on
 - Bhagwad gita : Reading & Recitation
Group of students meet after college hours for discussions on shlokas and recitation.
 - Balidan Mass:
Group of students to pay tribute to Ch. Sambhaji Maharaj, arrange puja and discussions for 40 days.

- Institute has implemented Earn and Learn Scheme for needy students.
- The institute is conscious of its role in campus community connection, wellbeing of its neighborhood community and has initiated a number of community development activities. These activities includes,
 - ✚ Organizing NSS Camps
 - ✚ Involvement of students in blood donation camps
 - ✚ Conducting the flag hosting at national festival
 - ✚ Involving the public and Institute NSS Volunteers
 - ✚ Involvement of students and faculty in NATURE club of SETI, Panhala

3.6.2. What is the Institutional mechanism to track students' involvement in various social movements/activities which promote citizenship roles?

- Students submit certificates and attendance of participation in social Activities to Institute.
- University also has its own mechanism to monitor NSS
- Guardian Teachers collects information from the concerned students.
- Institute tracks the articles of students published in newspapers.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

Institute solicits both internal (board members, staff members, students etc.) and external (Clients, Community partners, public, or private sectors) stakeholders perception on the overall performance and quality of the institute.

- The external stakeholders are invited to visit the campus and visually inspect infrastructural facilities, interact with faculty members to obtain necessary information on the overall performance and quality of the institute.
- Parent meetings are conducted to share academic performance of the students and provide constructive suggestions to improve the overall performance and quality of students and institution.
- Periodic performance is shared with the stakeholders during institute annual function

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

Under the NSS, institute observes the need of extension and outreach programs for nearby villages. Institute also identifies the support services and faculty exercises to fulfill these needs. This helps to plan extension and outreach program Institute has its own budgetary provisions for NSS activity.

3.6.5 Details of the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

The institute performs various activities through NSS and Student associations of the department. The institute provides adequate motivation for students and faculty members to participate in NSS program. University provisions grant NSS volunteers preference in admissions to higher courses.

Programme schedule is notified in the display board and also circulate in the classroom in advance and propagated among the students. Students and faculty members participate actively in extension activities organized by the units like blood donation camp, tree plantation. The teachers also speak on various issues in NSS special camps.

3.6.6 Details of the social surveys, research or extension work (if any) undertaken by the Institute to ensure social justice and empower students from under-privileged and vulnerable sections of society.

Institute offers opportunities for personality development, participation in awareness programmes. NSS training prepares students morally and ethically strong enough to face challenges and emergencies in day to day life. The active participation of students in social service activities gives them an opportunity to understand the life style and standard of living of the underprivileged.

The following programs are conducted by the institute as part of extension activity: Tree plantation programme, campus cleaning day, creating awareness about protection of environment are taken up by the volunteers. Participation of volunteers in Blood Donation Camps. Tree plantation, etc.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Along with academics, students are encouraged to participate actively in the extension activities organized by the extension activity units of the institute. Extension activities complement students, academic learning experience and inculcated the values and skills. NSS programme gives value in:

- Humanism and Compassion
- Sense of responsibility
- Commitment towards society
- Leadership qualities
- loyalty
- Environmental Awareness.

3.6.8 Details of the institution ensure the involvement of the community in its reach out activities and contribute to the community development. Detail on the initiatives of the institution that encourage community participation in its activities

Institute encourages students to participate in NSS and other sections involving in extension activities. The institute also provides special consideration / permissions for students to attend these activities.

The NSS unit of the institute collaborates with the local bodies in its various projects related to health, renewable energy, blood donation, environment protection, energy conservation etc.

3.6.9 Details of the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- ☐ In association with Shivaji University, Kolhapur curricular & extracurricular activities at inter university level are conducted.
- ☐ Institute took initiative to conduct faculty development program for all faculty member under ISTE.
- ☐ Institute is partner of lead college under which various activities are organized.
- ☐ Institute is having SAE, ISTE and ISHRAE student chapters under which various programmers are organized for students.

3.6.10 Details of the awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

NA

3.7 Collaboration

3.7.1. Details of the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - Collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The institute organizes various interactive sessions with experts of industry and other research organizations by:

- Deputing faculty members for exposure to industrial practices in plant training and industrial visits for students
- The institution has collaborated with many industries and other institutions for mutually beneficial relationships that include faculty development programmes, extra-curricular& co- curricular programmes for students; sharing of physical resources etc. The Research and Development Cell, Department Associations, Career guidance Cell, Entrepreneur Development Cell in collaboration with professional society bodies such as ISTE, IETE, CSI, ISHRAE, SAE organizes seminars, workshops to create research interest.

3.7.2 Details of the MoUs/collaborative arrangements (if any) with Institutions of national importance/other universities/ industries/ Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The institute has signed MoU with external houses to conduct activities like Training, Placement, Development of training facilities for students, Guest Lectures, Participation in technical events and advanced learning industrial visits, projects etc.

Institute has signed MoU with following organizations.

Sr. No	Name Of Organization/ Industry	Location
01	TATA Technology Ltd., Pune	Pune
02	Atlanta Metallurgical Services, Kolhapur	Shiroli MIDC, Kolhapur
03	Envision	Warananagar
04	Swapnagandha Electronics & Electrical	Kolhapur
05	Magnewin Energy PVT, LTD	Sangli
06	Robogenesis	Banglore

3.7.3 Details of the industry-institution-community interactions that have contributed to the establishment / creation / up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library / new technology / placement services etc.

Department of Electrical Engg.

Sr. No.	Name of the Organization	Contribution & Benefits
1	SETI Pannala	Two Day Workshop on Transformer Manufacturing
2	SETI Pannala	PCB Design
3	SETI Pannala	MATLAB Workshop

Department of Electronics and Telecommunication engineering

Sr. No.	Name of the Organization	Contribution & Benefits
01	E-Yantra	Additional knowledge gain by students to participate at various technical events

Department of Mechanical engineering

Sr. No.	Name of the Organization	Contribution & Benefits
01	TATA Technology Ltd., Pune	Extensive training to Faculty and Students on CAD using CATIAV5
02	Atlanta Metallurgical Services, Kolhapur	Atlanta Metallurgical Services has conducted a guest lecture on “Industrial Metallurgy” for students
03	Envision	Envision has conducted two days workshop on “Piping Design and Engineering” for students

Department of Computer Science

Sr. No.	Name of the Organization	Contribution & Benefits
1.	Teckril Technologies, Pune	Conducted workshop on Group discussion & personal interview techniques.
2.	SSI Solutions, Pune	Industrial visit
3.	Infosys Pune	Conducted workshop on Android Technology for students.
4.	DKTE Ichalkaranji and Walchand college of Engineering, Sangli	Conducted workshop on DATA-MINING AND HADOOP for the faculties.
5.	Director Digital Freedom Foundation, Mumbai.	Conducted workshop on open source web Technologies for the students
6.	Reliance Pvt. Ltd, Gujarat	Conducted workshop on Competitive Approach towards sustainability
7.	Advanced electronics systems, Bangalore	Industrial visit

3.7.4 Details of the names of eminent scientists/participants, who contributed to the events, provide details of national and international conferences organized by the Institute during the last four years.

Eminent scientists/participants who contributed to the events:

Sr. No	Name of the Events	Eminent scientists/participants
1.	Faculty Development workshop on DATA-MINING AND HADOOP	Prof. P. J. Kulkarni, Deputy Director, WCE, Sangli.
2.	Faculty Development workshop on DATA-MINING AND HADOOP	Prof. D. V. Kodwade, Prof. & HOD CSE, DKTE, Ichalkaranji.
3.	Student development workshop on open source web Technologies	Mr. Krishnkant Mane, Director Digital Freedom Foundation, Mumbai.
4.	Student development workshop on “Competitive Approach towards sustainability”	Mr. Parag Shinde, HR, Reliance Pvt. Ltd, Gujrat.
5.	Android Technology	Mr. Swapnil Bharde, System Engineer and Senior Programmer, Infosys Pune.
6.	Two day workshop on energy Scenario & Impact of Power Quality issue in sustainable Energy System	Dr. P.K. Katti, BATU, Lonere Dr. K. Vadirajacharya, BATU, Lonere
7.	One Day Workshop on “Applications of Power Electronics in Power system”	Dr. S.S. Tanawade , BATU, Lonere
8.	Guest Lecture on EMDL	Prof. S.S. Katre
9.	FDP on Recent trends in Refrigeration & Air Conditioning	Dr. Padalkar A.S., Principal Flora Institute of Technology, Kopi, Pune
10.	FDP on Recent trends in Refrigeration & Air Conditioning	Dr. Agrawal Neeraj, BATU, Lonere
11.	FDP on Recent trends in Refrigeration & Air Conditioning	Dr. B.S. Gawali, WCE, Sangli
12.	FDP on Recent trends in Refrigeration & Air Conditioning	Mr. Nishikant Salvekar, Director, Anucool Engineers, Kolhapur
13.	FDP on Recent trends in Refrigeration & Air Conditioning	Dr. S.A. Khot, Principal, SIT, Yadav
14.	Seminar on Intellectual Property Rights & Patenting	Dr. P.P. Deshpande, Dean R&D, RIT, Sakharale
15.	Mentoring and guiding for NAAC preparation	Dr. V.V. Karjini, Principal, KIT's College of Engineering, Kolhapur

3.7.5 Details of the linkages/collaborations have actually resulted in formal MoUs and agreements. List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated

- Curriculum development/enrichment: The institute is an affiliated institution with no scope of change in curriculum as curriculum to be followed is prescribed by affiliating university.
- Senior faculties of departments are taking part for finalization of Structure & Syllabus at University level.
- **Research:** Workshops and conferences are regularly being organized.
- **Consultancy:** The institute encourages the staff to utilize their expertise and available facilities for consultancy services.
- **Extension:** Institute works in active collaboration arrangement with Social Service Organization for performing extension activities.
- **Publication:** Institute encourages publication for students and faculty members.
- **Student Placement:** Esteemed organizations regularly visit our campus for providing students placements regularly.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations. Any other relevant information regarding Research, Consultancy and Extension which the Institute would like to include.

Following are best practices of the institute in research, consultancy and extension achieve best results:

- The Institute works to forge alliances/MoUs with the industry.
- The industry is approached by the institute through various means like attending industrial meets, arranging guest lectures and interacting with entrepreneurs and owners/officials of the industry, invited speaker in workshops and symposiums.
- Industrial visits have been organized with the help of various collaborating agencies.
- Separate R & D cell headed by principal (academics) is working to monitor the research activities, identify and execute innovative projects.
- Inviting Expertise from various divisions from other industries for delivering guest lectures, key note address, invited speaker in workshops and symposiums.
- The institute gives financial assistance to staff and students for publishing paper in reputed journals, participating in conferences etc.
- The institute gives special consideration to the staff members who publish papers in journals with high impact factors during appraisal

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities:

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The facilities are fulfilled in accordance with the AICTE and Shivaji University norms, all the physical facilities are established since 2009 and that are being regularly upgraded to accommodate the growing needs of its stakeholders & their benefits till date to have a very effective teaching and learning system.

The institute has an Infrastructure Development Committee (IDC) that recommends the need for creating and enhancing the infrastructure. At present, the committee is constituted as under

Name of Authority	Designation
Shri. P. R. Bhosale, Chairman	Chairman
Shri. N. R. Bhosale., Joint Secretary	Nodal Officer
Prof. E. P. Salokhe, Assistant Professor, Civil Engineering Depart.	Infrastructure Coordinator
Dr. G.V. Mulgund., Principal	Member Secretary
Prof. S.S. Chavan, Head, Civil Engineering Dept	Member
Mr. B. V. Kumbhar, (Registrar)	Member

4.1.2 Detail the facilities available for:

- a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, specialized facilities and equipment for teaching, learning and research etc.

Some of the highlighted infrastructural facilities of the institute include:

- Flourishing green and clean campus.
- Spacious, well ventilated and furnished class rooms.
- State of the art LCD projectors are installed in most of the classrooms.
- Profound central library with state of the art furniture and facilities like separate reading rooms for boys and girls, central computing facility etc.

- Central computing facility with more than 100 computers and 40 Mbps internet facility.
- Digital library.
- Open theatre.
- Ladies room.
- Separate Staff cubicles.
- State of the art laboratories.
- Workshop.
- Spacious drawing hall.
- Separate hostels for boys and girls.
- ATM centre of Bank of India
- Well equipped hospital.
- Hygienic Canteen.
- A high end water purification plant (RO) with a capacity of 5000 litres/hr.
- A fleet of 14 buses to pickup & drop the students from all the corners of Kolhapur and surrounding rural areas
- Huge play ground.
- For the uninterrupted academic activity, a stand by 125kVA & 62.5 kVA generators are provided.
- Solar Water heaters are provided in hostel campus.
- Well equipped gymnasium.
- Swimming pool.
- The institute has a total built up area of 25,157.44 Sq. M, divided in four Wings namely A, B, C & D and Central Workshop.

Following spaces and facilities are available as below:

Space Description	Facility available	Details	
		Number	Average Size (m2)
Class Rooms	Class Rooms	25	80.00
Technology enabled Learning Spaces	Engineering Drawing Room	01	256.09
Reading Rooms	Central Library	01	577.09
	Departmental Library	06	30
	Digital Library	01	68.78
Seminar Hall	Seminar Hall	06	133.00
Tutorial Rooms	Tutorial Rooms	06	40.00
Gymnasium	Gymnasium	01	127.06
Well-equipped laboratories	Department Laboratories	57	80.00
Botanical Garden	Botanical Garden	01	As per free space availability
Specialized facilities and equipment for teaching- learning	LCD Projectors	25	-
	State of art Language lab	01	58.69
	Wi-Fi	YES	-
Central Workshop	Machine Shop, Carpentry Shop, Smithy Shop, Welding Shop, Sheet metal & Tin smithy shop, CNC Machine Shop	01	311.96
Faculty Cubicles	Faculty Cubicles	Adequate	Adequate
Parking	Two Wheeler Parking	Adequate	1000.00
	Four Wheeler Parking	Adequate	400.00
Animal house	Horse stable	01	883.00
Specialized facilities and equipment for research	PG Laboratories	02	54.00

- b) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

SPORTS/Outdoor and Indoor Games, Gymnasium, Auditorium:

- The Institute provides Sport Kit for students who participate in Inter-State/National Level, Lead College, Zonal, Inter zonal, West Zone, All India Inter University Tournament and many other different types of game and sports.
- The Institute also reimburses the T.A. and D.A. as per University Rules and Regulations.
- Shivaji University has policy of giving additional benefits for students who participate in tournaments at All India, West Zone, National, State, Zone, Inter-zone levels etc. Due care and arrangements are made by authorized competent authority to see that the missed out University POE and Theory examinations are conducted after the Tournament if the scheduled exam time table clashes with tournament time table.
- University provides separate time table and conducts the examinations for such students after demand by student and institute.
- Student participation and activities in Team Events as well as individual events such as Basket ball, Cricket, Badminton, Table Tennis, Archery, Swimming, Volleyball, Kho-Kho, Hockey, athletics etc.

Physical Education Department also organizes Annual Sports event every Year.

Institute has organized Inter zonal, Zonal and Lead College Level Tournament successfully. During the span of last five years the Institute has organized tournaments in Volleyball, Hockey, Kabbadi, Swimming, Table Tennis, Football, Chess and Athletics for Shivaji University.

NSS, NCC: --

Institute has NSS cell which conducts different social activities round the year. NSS Cell has an active committee comprising of the following structure Principal, Physical Director, NSS Student's Coordinator, Faculty Advisors and representatives among students. Major activities organized by NSS cell are:

- Blood donation camps.
- Clean campus mission – “Green Sanjeevan and Clean Sanjeevan”.
- Social awareness camps viz. “Beti Bachao”
- Energy audit in nearby villages

CULTURAL ACTIVITIES:

- As a part of cultural activities, every year, the students of SETI are organizing annual social function “EUPHORIA”.
- The institute provides the necessary infrastructure required for this event.
- Students also participate annually in the Youth-Festival organized by the Shivaji University at District level and Central level.

COMMUNICATION SKILLS DEVELOPMENT:

- In this activity various teams of faculty members and experts from industry; work together to develop communication skills, soft skills and aptitude of the students on regular basis as part of routine time table.
- The institute arranges various guest lectures, expert lectures and training sessions from industry professionals.

YOGA:

- Many faculty and students takes voluntary participation and organizes such camps through trained yoga instructors on International yoga day, 21st June every year.

Health and hygiene:

Holy-wood Academy's Hospital is located in the campus for the health care for students of institute. Institute has RO water purifier system which ensures purified drinking water. College canteen and mess ensures the hygienic food with a clean environment.

EARN AND LEARN FACILITY:

Institute has initiated Earn and Learns scheme for needy students.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Planning and Ensuring of Infrastructure:

The Institute develops the infrastructure as per the norms of AICTE, University and DTE. The experts from the regulatory authorities regularly monitor and visit the Institute. This enables the Institute to ensure the infrastructure adequacy and optimum use for academic growth.

In last four years the institute has developed laboratories, class rooms and central facilities etc. to meet the academic requirement as per the norms.

The details of the facilities which have been added are as follows.

A) Buildings :

Sr. No.	Infrastructure Facility Addition	Expenses in Crores till 2016
1	Wing A	15.84
2	Wing B	
3	Workshop	
4	Wing C	9.7
5	Wing D	

B) Equipment, Tools & Software:

Sr No.	Laboratory Equipment	Expenses in Rupees (in lakhs)				
		2011-12	2012-13	2013-14	2014-15	2015-16
1.	Automobile Engineering	43.457	26.395	8.950	0.308	0.00
2.	Civil Engineering	8.722	12.986	0.00	2.838	3.248
3	Electrical Engineering	24.582	12.578	0.00	7.377	1.866
4	Electronics and Telecommunication Engineering	7.468	9.614	1.078	1.040	13.194
5	Computer science Engineering	0.129	4.560	0	0	3.825
6	Mechanical Engineering Department	7.909	19.567	25.796	0	0
7	General Department	0	0.183	0	0	0
9	Central Computing Facility	27.075	0.915	0.420	0.00	11.993
10	Workshop	2.545	0.259	0.046	0.036	0
	TOTAL	121.887	69.059	36.291	11.601	34.126

C) Other Equipments

Sr. No.	Laboratory Equipment	Expenses in Rupees (in lakhs)				
		2011-12	2012-13	2013-14	2014-15	2015-16
1.	Furniture and Fixtures	0.00	0.00	7.53	0.00	5.01
2.	Electrical Installation	53.74	3.25	21.88	3.04	4.23
3.	Sports	0.98	0.38	0.26	0.27	0.34
5..	TPO	0.00	0.00	0.59	0.00	0.00
	TOTAL	54.72	3.63	30.26	3.31	9.58

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The Institute takes due concern to ensure that the facilities meet the needs of physically disabled students. In this regard, Ramps are provided for easy movement of wheel chairs. There is a provision of lift also for which the ducts have been constructed.

4.1.5 Give details on the residential facility and various provisions available within the m:

Hostel Facility – Accommodation available

Sr. No.	Facility Name	Area (Sq. M.)	Capacity/ Number of Rooms	Facility Available
1.	Boys Hostel	2968.47	280 Students 85 Rooms	Solar water heater system Purified water cooler system Security person, which adheres strict timing for inmates Separate rector/warden for hostel
2.	Girls Hostel	1584.67	100 Students 36 Rooms	

Recreational facilities, gymnasium, yoga center, etc.

- **Recreational Facilities:** The institute has provided necessary recreational facilities in campus for staff and students in terms of play ground, indoor games and auditoriums, function hall etc.
- **Hygiene facility:** A separate campus housekeeping team is ensuring healthy and hygienic conditions and also the aesthetic view of the residential campus. A supervisor is maintaining all necessary precautionary measures to ensure healthy and hygienic conditions.

- There is closed drainage system for disposal of waste water.
- Institute has cleaning committee to monitor cleaning activities in campus.
- The safe drinking water facility is provided to the students/staff by installing water coolers, water purifiers, at all the corridors of all buildings totaling to 25 in number.

Canteen: Institute canteen provides wide range of food menus to all the visitors in the campus. Food quality and hygiene is monitored periodically by canteen committee. Well facilitate canteen with indoor seating arrangement is available. During the functions outdoor catering is also provided.

Computer facility including access to internet in hostel:

Wi-Fi and internet facility is available in residential buildings.

- **Facilities for medical emergencies**

Medical Room: The College has arrangement for students those who are in need of medical assistance. There is a provision of first aid/medical room with all the facilities required for medical emergencies. Full time residential doctor, ambulance facility is available for medical assistance.

Library facility in the hostels

Library reading hall is very close to the hostel campus which is made available to all the residential up to Midnight.

- **Internet and Wi-Fi facility**

The institute has a dedicated internet Broadband of 20 Mbps & leased line of 20 Mbps bandwidth. The internet Wi-Fi facility is made available to the students in the campus.

- **Recreational facility-common room with audio-visual equipments**

Boy's and Girl's common rooms are available as recreational facilities.

- **Guest House:**

At present Guest house facility is not available however institute arranges the guest's overnight stay at Panhala which is famous historic hill station.

- **Security**

The institute has a 24X7 security team along with a dedicated Security Officer (Ex- Serviceman). The security team including Rector and Wardens ensures desired security measures and maintain a good discipline. A CCTV Surveillance System with 149 cameras is installed at various places in the campus.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Institute has full time medical practitioner for regular health assistance of students and staff. Regarding the provisions of health care, first-aid , ambulance, doctors on emergency call are made available in campus and off campus as and when necessary. The hostel has arrangement for medical assistance in case of emergencies. Amartya Sen Shiksha Yojana is also provided to students.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Sr. No.	Common Facilities	Space available; Area (Sq. M.)	Location
1	IQAC	39.20	A-109
2	Grievance Redressal unit	10.00	B- 101/3
3	Women’s Cell (ICC)	28.0	B- 201/1
4	Counseling and Career Guidance	30.00	B- 301/1
5	Placement Unit	10.00	B- 101/2
6	Health Centre	547.00	H- 001
7	Canteen	230.00	C- 001
8	Recreational spaces for staff and students <ul style="list-style-type: none"> • Girls Common Room • Boys Common Room • Staff Common Room 	60.05 60.00 60.00	B- 201 C- 301 C- 401
9	safe drinking water facility	50.00	2 Sq. M. at Each Floor
10	Auditorium/School Amphitheatre	186.63/810.69	B- 002/School Premises
11	Institute Amphitheatre (Under Construction)	667.74	As per Dwg.

4.2 Library as a Learning Resource

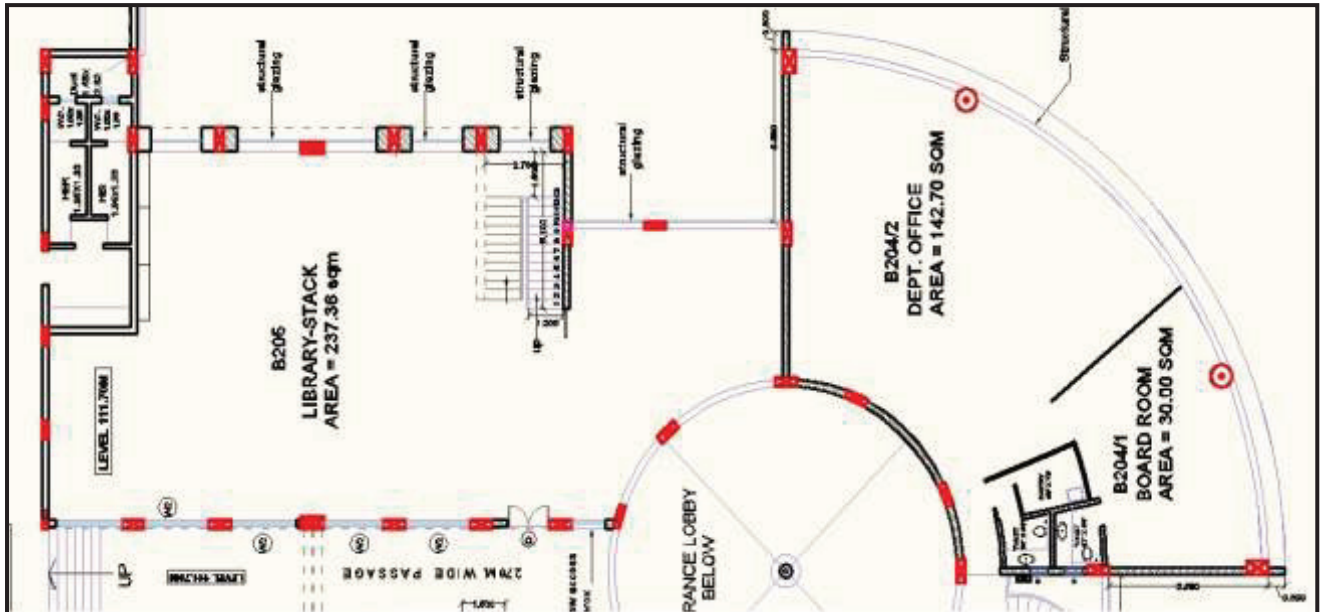
4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, Library has an advisory committee known as Library Committee.
The committee comprises of following members:-

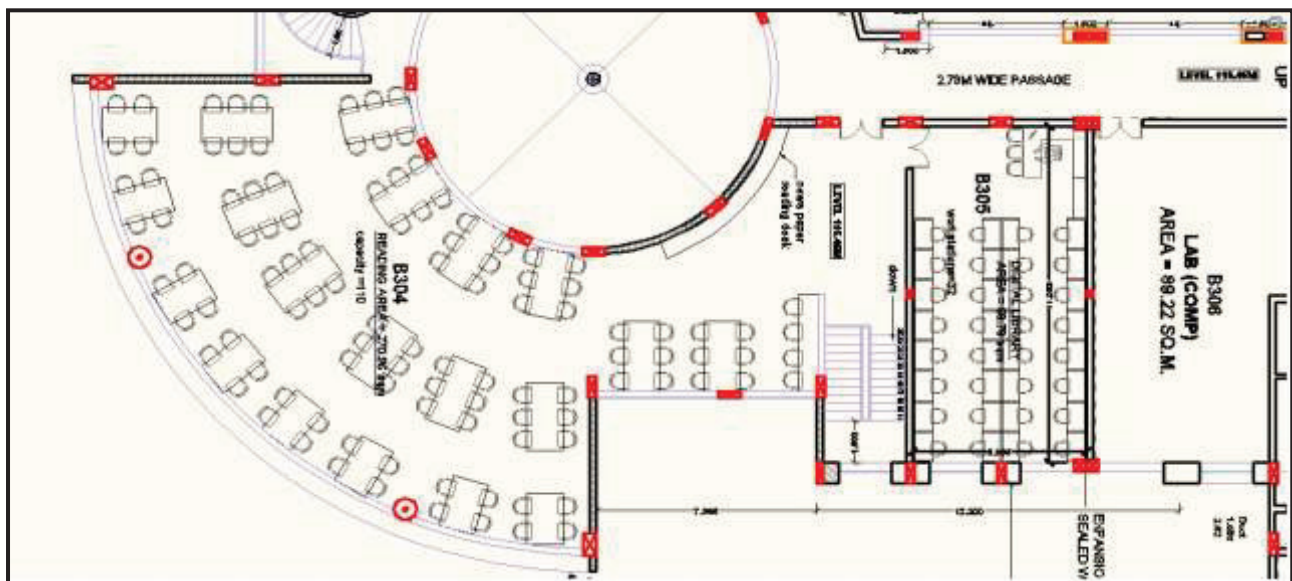
Sr. No.	Name of the Member	Designation
1	Dr. G. V. Mulgund. (Principal)	Chairman
2	Mr. S. T. Jadhav. (Diploma Principal)	Member
3	Mr. S. P. Nangare. (HOD Mechanical)	Member
4	Mr. S. L. Ghodake.(HOD Automobile)	Member
5	Mr. V. S. Mane. (HOD E & TC)	Member
6	Mr. B. M. Mohite. (HOD Civil)	Member
7	Mr. S. B. Bhosale. (HOD CSE)	Member
8	Mr. P. P. Kulkarni. (HOD Electrical)	Member
9	Dr. V. A. Patil. (HOD F. E.)	Member
10	Mrs. V. N. Bhosale. (Librarian)	Secretary
11	Sourabh Sambhaji Patil. (T.E. Civil)	Student Representative
12	Akshay Rajendra Kulkarni. (T.E. Mechanical)	Student Representative
13	Mandar Gajanan Kulkarni. (T.E. Electrical)	Student Representative
14	Akshay Rangrao Dhere. (T.E. Automobile)	Student Representative
15	Komal Vijay Shinde. (T.E. E & TC)	Student Representative
16	Priyanka Dnyandeo Chougale. (T.E. CSE)	Student Representative
17	Omkar Yogesh Gulawani. (S.Y. Diploma)	Student Representative

4.2.2 Provide details of the following:

*Total area of the library (in Sq. Mts.)= 617.48 Sq. Mt.



LIBRARY FIRST FLOOR



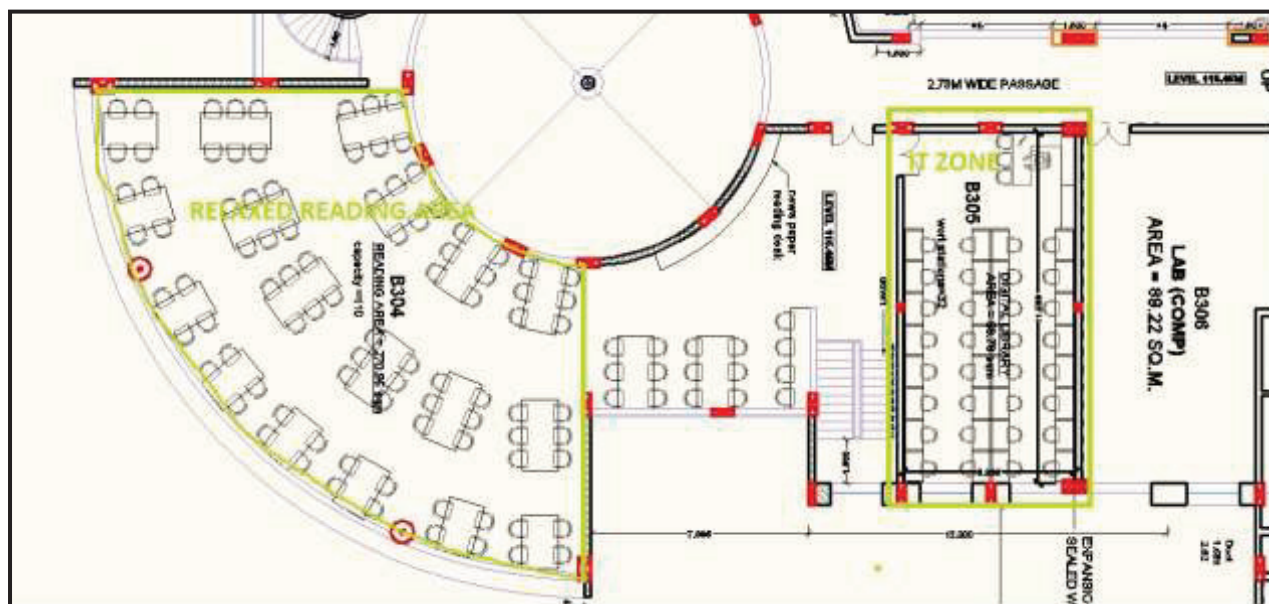
LIBRARY SECOND FLOOR

- * Total seating capacity= 215
 - * Working hours (on working days, on holidays, before examination days, during examination days, during vacation)
- On working days: 8:30am to 6:30pm**
- Before examination days: 8:30am to 6:30pm**

During examination days: 8:30am to 11:00 pm

During vacation: 10:00am to 5:30pm

- * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)



4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Library holdings	Year -15-16		Year – 14-15		Year – 13-14		Year – 12-13	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books & Reference Books	841	509841	624	334361	1627	819984	3251	1615135
Journals/ Periodicals	89	214640	83	289318	0	0	92	297133
e-resources	0	0	275	498498	275	341830	275	393120

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

For the purpose of maximum access to library collection; library make use of SLIM 21 (System for Library Information and Management) as ICT tool. With SLIM21 retrieval of information is simple, fast and efficient. Even a catchy phrase in the description of the catalogued item can be used for searching.

*** OPAC**

SLIM OPAC (On-line Public Access Catalogue) offers powerful on-line search facilities to search through library catalogues through keywords like Author Keyword, Subject class, Title Publisher, Place of publication, Main entry, Material type, Place of conference, Subject name, ISBN / ISSN, Year of conference, Series, Titles, Serials Title and year of publication.

SLIM21 Cataloguing is based on AACR2 (Anglo American Cataloguing Rules). It catalogues any type of material, print as well as non print. It supports material in digital form and helps you build digital library.

SLIM has virtually no limit on length of bibliographic details. Example, a Title can be 10 characters or 500 characters; summary can be 50 words or 500 words; article can have one author or 10 authors.

Unlimited number of added entries (access points) per card is allowed such as title, uniform title, main entry, multiple keywords, place of conference, etc.

- **Electronic Resource Management package for e-journals**

As the update users to the latest technology library is subscribing e-resource packages of Elsevier e-journal (Science Direct). These e-resources are accessible from anywhere in the Institute campus and link to all such e-resources is available on library webpage. In addition to that, link to scholarly open access journals/database is also available on the Library webpage

* **Federated searching tools to search articles in multiple databases**

* **Library Website**

* **In-house/remote access to e-publications**

A well equipped Digital Library with 30 nodes having internet connectivity is housed in the Central Library for access to e-publications. As the access facility to e-journals is multiuser and IP address-based the students can access the e-publication from anywhere in the campus.

* **Library automation**

- Total number of computers for public access: 30 Students + 1 OPAC
- Total numbers of printers for public access: Zero
- Internet band width/ speed: 10 Mbps
- Institutional Repository: Yes
- Content management system for e-learning: Yes
- Participation in Resource sharing networks/consortia (like Inlibnet): Nil

4.2.5 Provide details on the following items:

- Average number of walk-ins -200 Per Day
- Average number of books issued/returned - 200 Per Day
- Ratio of library books to students enrolled – 13 (16600/1300)
- Average number of books added during last three years - 1000
- Average number of login to (OPAC) – 75 per day
- Average number of login to e-resources – 90 per day
- Average number of e-resources downloaded/printed – 124 per day
- Number of information literacy trainings organized - Nil
- Details of “weeding out” of books and other materials - Nil

4.2.6 Give details of the specialized services provided by the library

- Manuscripts: Nil
- Reference: YES
- Reprography: YES (Xerox by Pay)
- ILL (Inter Library Loan Service): NO
- Information deployment and notification (Information Deployment and Notification): YES

- Download: YES
- Printing: yes
- Reading list/ Bibliography compilation: YES
- In-house/remote access to e-resources: NO
- User Orientation and awareness: YES
- Assistance in searching Databases: YES
- INFLIBNET/IUC facilities: NO

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Book issue, searching of book, new book purchase process, journal/Periodicals/ Question Paper photocopy.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

The Institute takes due concern to ensure that the facilities meet the needs of physically disabled students. In this regard, Ramps are provided for easy movement of wheel chairs. There is a provision of lift also for which the ducts have been constructed.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Yes. Library collects regular feedback from the users through Suggestion Box, Depending upon the feedback, Reading room facility extended before and during the examination period. In every academic year addition of books in the book bank, Addition in the magazines Collection by demand of faculty and student, development of books for general reading, books for competitive examinations are also made available. Regular meetings are conducted for development of library facility

4.3 IT Infrastructure:

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- Number of computers with Configuration (provide actual number with exact configuration of each available system)

HARDWARE				
Sr. No.	Equipment	Qty	Configuration	Purpose
1	Dell Optiplex 360	39	Core 2 Duo 2.53 GHz, 1 GB DDR 2, 160 GB HDD, 17" Monitor	General Purpose
2	Dell Optiplex 360	15	Core 2 Duo 2.80 GHz, 1 GB DDR 2, 160 GB HDD, 17" Monitor	General Purpose
3	Dell Power Edge 2900 Server	01	Intel Quad Core Xeon-5405, 2 GHz, 4 GB DDR 2, 2 X 160 GB HDD, 17" Monitor with Linux Enterprise Edition	Server
4.	Dell Optiplex 360	46	Core 2 Duo 2.83 GHz, 1 GB DDR 2, 160 GB HDD, 17" Monitor	General Purpose
5.	Dell Optiplex 360	50	Core 2 Duo 2.53 GHz, 1 GB DDR 2, 160 GB HDD, 17" Monitor	General Purpose
6.	Dell Vostro 1524 Laptop	15	Core 2 Duo 2.20 GHz, 2 GB DDR 2, 250 GB HDD, 15.4" WXGA Display, 1.3 MP Web Cam	--
7	HP Multisheet MS 6000	03	Core 2 Duo , 6 GB DDR 2, 500 GB HDD, 17" Monitor	Server
8	HP Multisheet T100 Thin client	27	--	-
9	HP Pro 3090 (100 Desktop + 40 CPU)	140	Core 2 Duo, 3 GB DDR 3, 320 GB HDD, 18.5" LCD	General Purpose
10	HP server 110G6	01	Intel Xeon 8GB DDR3, 250 GB HDD, 18.5" TFT	Server
11	HP Pro Book 4520S	01	Ci3, 3 GB DDR3, 500 GB HDD	Laptop

12	HP Z 200 Workstation	20	Ci3, 2GB DDR3, 160 GB HDD	General Purpose
13	HP Pavalion 32091U	01	Ci3, 3 GB DDR3, 320 GB HDD	Laptop
14	Dell Optiplex 380	80	Core 2 Duo 2.93 GHz, 4 GB DDR 3, 500 GB HDD, 18.5" Monitor	General Purpose
15	Dell Inspiron	11	Ci3, 4GB DDR3, 500 GB HDD	Projector PC
16	HP Pro 3330	200	Ci3, 4GB DDR3, 500 GB HDD	General Purpose
17	Dell Vostro 1550 Laptop	07	Ci3, 4GB DDR3, 500 GB HDD	DEPT. WORK
18	HP Proliant ML10737	01	Intel Xeon E312220V2 @ 3.1 GHz, Quad Core, 8 GB DDR3, 1 TB HDD, Smart Array B1201 SATA RAID Controller	SERVER
19	Mac Book Pro MD 10	01	4 GB RAM, 2.67GHz Processor, 1 TB HDD, 1GB Graphics Card, 15" Display	Chairman – Holy-wood Academy
20	DT Lenovo S500	125	Dual Core 4 th Gen., 4 GB DDR 3, 500 GB HDD	General Purpose

Summary: 1. Computer Systems for Student Use=708 Nos.

2. Computer System for administration Work= 25 Nos.

3. Server = 6 Nos.

4. Printer= 57 Nos.

5. Plotter= 01 Nos.

6. Scanner=14 Nos.

- Computer-student ratio (708:1378) 1:2
- Stand alone facility = 681 Nos
- LAN facility = 1000/100 mbps connectivity to each dept. 1000 mbps in inter building
- Wifi facility: Yes

- **Licensed software**

Sr. No.	System Software	Allocation	Quantity
1	Windows Vistas Buisness	Central Computing Facility (CCF)	61
2	Windows Server Standard		01
3	Windows Server 2008 R2		01
4	Windows 7 Professional		10
5	Windows CAL 2008		10
6	Windows Multipointer CAL		33
7	Windows 7 Professional	Mechanical	20
9	Windows 7 Professional	E&TC	04

Sr. No.	Application Software	Allocation	Quantity
1	Borland Turbo C++	Central Computing Facility (CCF)	01
2	Microsoft Academic Office 2007		05
3	Visual Studio		01
4	Microsoft Office 2003 OEM		01
5	Shri Lipi 7.0 and Hardware Lock		01
6	Estimator 2.0	Civil Engineering	01
7	Autocad 2012		01
8	ETAB		01
9	LABVIEW	Electrical Engineering	25
10	MiPower		10
11	MATLAB		10
12	ANSYS 14	Mechanical Engineering	25
13	Solid Work 2009		60
14	Autodesk Inventor Professional 2011		01
15	CAM Works 2010		10
16	Orcad	E & TC	04
17	RFSpice		01
18	MATLAB		16
19	CATIA V5 R-21	Automobile Engineering	20

- Number of nodes/ computers with Internet facility = 708 Nos.
- **Any other**
 - Firewall (Cyberoam) service for wired and Wi-Fi connectivity.
 - Central MOODLE server.
 - Central Media server for NPTEL Resources.
 - Public IP address = 08
 - 20 Mbps PPPoE Internet Connection through NMEICT.
 - 20Mbps (1:1) Leased Line over Optical Fiber cable Layer three manageable Switch.
 - Significant UPS with good battery backup for Server Room and various Computer Systems.
 - CCTV Surveillance throughout campus.

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

On-campus facilities:

- The institute has separate CCF with internet facility looked after by system administrator.
- The faculty and staff of the institute can also access internet in computer center.
- No extra charge is taken either from the faculty or from the students for internet access and computing facility.
- The campus Wi-Fi enabled for the easy use of internet by the students and faculty.
- Each department has their own computing facility for their faculty and students.
- LAN facilities are also available.
- Resources for conducting online examinations exist at the institute.

Off-campus facilities:

- The Ladies hostel campus Wi-Fi enabled for the easy use of internet by the students and faculty.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The institute is optimistic as far as the infrastructural up-gradation is concerned. The college intends to upgrade the PCs with latest configuration available.

Year-wise computer systems added:

Sr. No.	Year	Number of Computer system Added
1	2009-10	116
2	2010-11	273
3	2011-12	000
4	2012-13	218
5	2013-14	000
6	2014-15	1 HP Prolient Server
7	2015-16	120

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Yearwise for last four years)

Item	2015-16		2014-15		2013-14		2012-13	
	Budgeted	Actual Expenses	Budgeted	Actual Expenses	Budgeted	Actual Expenses	Budgeted	Actual Expenses
Computers and accessories	55.10 Lakhs	7.20 Lakhs	57.17 Lakhs	0.00	0.00	0.00	10.00 Lakhs	9.60 Lakhs

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

The individual department develops their course material through power point presentation for conducting classes.

- ICT enabled class rooms for students.
- Online feedback system is available.
- Emphasis is given on NPTEL.
- Audio-visual learning approach.
- Softcopy of many learning resources, e-books are provided to students

Online journal access links:

[http://www.sciencedirect.com/\(Autologged\)](http://www.sciencedirect.com/(Autologged))

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching- learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- The institute understands that the teachers have to be reoriented from time to time.
- The institution encourages the staff and technical assistants to undergo training on the computer-aided teaching and training; conducts departmental seminars and Workshops for training on computer applications (viz. Power Point, Point, Ms Word, Ms Excel, Ms Access and other necessary skills).
- The Department of Computer Science and Engineering also organizes training sessions on the use of Internet for learning resources, conducting, seminars and workshops in various fields related to use of computer hardware and software.
- Well equipped computer Labs, LCD projector are available to the faculty for conducting seminars, workshops, faculty development programmes and conferences.
- The e-journal, NPTEL video lectures is available for both students and faculty members to gain knowledge.

- The campus is fully enabled Wi-Fi access to avail internet facilities. The faculty is always available for any need based assistance in the use of ICT.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes.

- NPTEL-National Program on Technical Enhanced Learning.
National Program on Technical Enhanced Learning.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

Sr. No.	Description	Budget (Rs.) in Lakhs							
		2012-13		2013-14		2014-15		2015-16	
a.	Building	Total expenses made by trust , 250.54							
		Allotted	Actual	Allotted	Actual	Allotted	Actual	Allotted	Actual
b.	Furniture	36.600	36.582	81.000	80.900	0.130	0.128	51.50	51.471
c.	Equipment	115.000	114.966	66.000	65.739	16.100	16.099	17.500	17.298
d.	Computers	68.900	68.878	1.590	1.589	80.500	80.380	35.500	35.490
e.	Vehicles (running & maintenance)	26.00	25.10	30.00	28.52	35.00	33.05	40.00	39.58

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

An Infrastructure Coordinator is appointed from the Civil Engineering Department having professional experience for the overall developmental and maintenance work. He is assisted by the Service Engineer with field experience reporting to him. The service engineer has a team of skilled and semiskilled personnel working under him. This team looks after the

daily maintenance of civil works such as masonry and plaster works, painting, plumbing and house-keeping work. There is a separate In-charge for the responsibility of overall electric works, who also has a team of electricians working under him.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

Calibration work is assigned to competent firm. After the calibration, calibration certificate is obtained and recorded/filed. Calibration of equipments at the Departments is taken-up yearly. Quotations are invited from reputed firms carrying out the calibration of equipments.

The Institute has a team of qualified technical staff for maintaining computers and networking facilities. Some of the members are identified for the same and it is ensured that they are available at short notice.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

There is a separate In-charge with responsibility of overall electric works, which has a team of electrician working under him. Besides Electricians (Electrical Maintenance Department) has been appointed, who keeps the record of maintenance for constant supply and monitors the timely servicing of the gen set equipment. Besides the Laboratory in charge along with the lab assistants keep a strict vigil over the smooth working of the sensitive equipments in their respective labs and get them repaired within or beyond budget allocations.

Water supply and water purifiers maintenance is carried out by housekeeping team.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

Apart from this the institute is having its unique transportation facility which consist of 14 numbers of buses which carries students from Kolhapur and nearby rural areas around 627 and 50 faculty & staff are benefited by this facility. Each bus travels around 50 Km a day. The bus service is taken care of by a separate transportation committee and each bus is coordinated by a faculty bus coordinator.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 STUDENT MENTORING AND SUPPORT

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes, The institution publishes the leaflet annually. The copy of the prospectus is given along with the application form to every candidate who applies for programmes of the Institute.

Institution publishes an information brochure having following features:

- Brief information about institution
- Courses offered and scholarship scheme detail.
- Departmental sanctioned intake
- Information about departments and laboratories
- Objectives
- Scope of department in various organizations
- Programs offered
- Central facility information
- Training and Placement Cell
- Amenities for students
- Contacts

Institute also publishes Academic Pamphlet which includes:

- Brief information about institution
- University toppers details
- Name of Recruiters
- Courses offered and intake capacity

5.1.2 Specify the type, number and amount of institutional scholarships/ free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

- University and college toppers are rewarded with cash prize annually.
- The institute helps economically weaker students by giving them concession in college fees on the basis of application and discussion with parents.

Institute awards following prizes to the students:

Sr. No.	Year	Rank	Name of awarded student	Prize Detail	YEAR
01	2015-16	In process			
02	2014-15	1 st rank in all branches of FE	Koigade Mayuri Rajaram	50% of tuition fee amt.	May 2015
		2 nd rank in all branches of FE	Patil Umesh Shankarao	25% of tuition fee amt.	
		1 st rank in all branches of SE	Patil Amruta	50% of tuition fee amt.	
		2 nd rank in all branches of SE	Davkare Shubham Balaji	25% of tuition fee amt.	
		1 st rank in all branches of TE	Suryavanshi Gaouri Baburao	50% of tuition fee amt.	
		2 nd rank in all branches of TE	Patil Abhijit Sanjay	25% of tuition fee amt.	
		1 st rank in all branches of BE	Bhosale Priyanka Sanjay	50% of tuition fee amt.	
		2 nd rank in all branches of BE	Patil Supriya Ganpati	25% of tuition fee amt.	
03	2013-14	1 st rank in all branches of FE	Sagaonkar Priyanka Ashok	50% of tuition fee amt.	May 2014
		2 nd rank in all branches of FE	Ghodake Himanshu Shivaaji	25% of tuition fee amt.	
		1 st rank in all branches of SE	Mohite Aniket Ravindra	50% of tuition fee amt.	
		2 nd rank in all branches of SE	Khot Ajay Tukaram	25% of tuition fee amt.	
		1 st rank in all branches of TE	Bhosale Priyanka Shrikant	50% of tuition fee amt.	
		2 nd rank in all branches of TE	Anisha Arvindkumar	25% of tuition fee amt.	
		1 st rank in all branches of BE	Kale Nikhil Ashok	50% of tuition fee amt.	
		2 nd rank in all branches of BE	Gavas Sushant Laxman	25% of tuition fee amt.	
04	2012-13	1 st rank in all branches of FE	Marge Nitin Bandu	50% of tuition fee amt.	May 2013
		2 nd rank in all branches of FE	Bhosale Priyanka Shrikant	25% of tuition fee amt.	
		1 st rank in all branches of SE	Patole Ruturaj Sharad	50% of tuition fee amt.	
		2 nd rank in all branches of SE	Lade Pranay Nitin	25% of tuition fee amt.	
		1 st rank in all branches of TE	Desai Rohit Suryakant	50% of tuition fee amt.	
		2 nd rank in all branches of TE	Todkar Amar Sarjerao	25% of tuition fee amt.	
		1 st rank in all branches of BE	Patil Akshay Dilip	50% of tuition fee amt.	
		2 nd rank in all branches of BE	Patil Kuldip Sarjerao	25% of tuition fee amt.	

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Scholarships/ free ships are given by state Government of Maharashtra on the basis of parental annual income. Apart from above GATE stipend is provided by AICTE to PG eligible students.

Following are the financial aids available to students from the central government

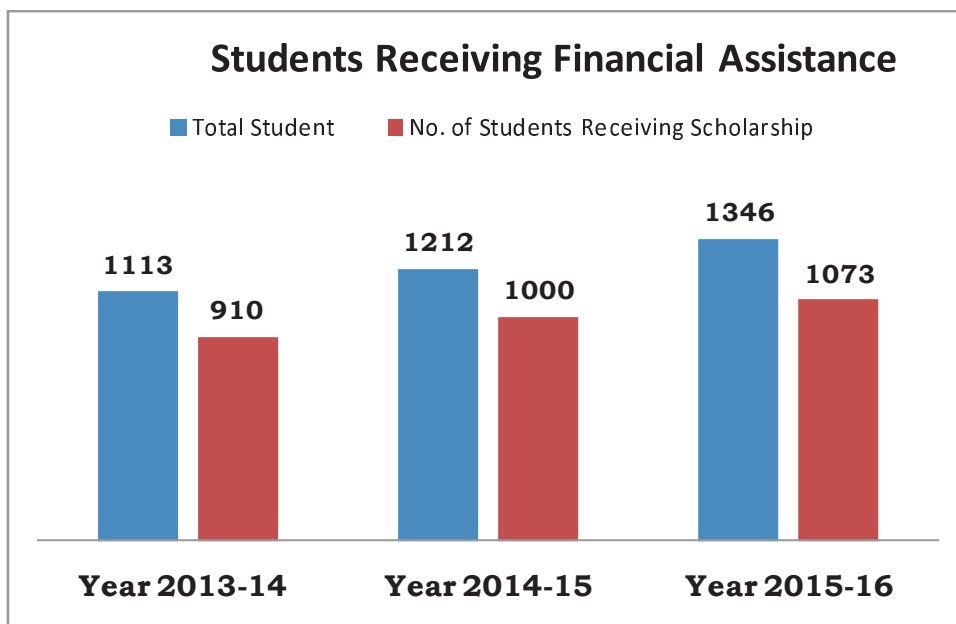
- a) SC Scholarship
- b) ST Scholarship
- c) Minority Scholarship

Following are the financial aids available to students from the State government

- a) OBC
- b) VJNT
- c) SBC
- d) EBC
- e) Minority Scholarship

A.Y. 2013 – 2014 – 2015 – 2016

Name of Scholarship	Year 2013-14		Year 2014-15		Year 2015-16	
No. of Students	Admitted Students	No. of Students	Admitted Students	No. of Students	Admitted Students	No. of Students
SC Scholarship	341	1113	375	1212	407	1346
SC Freeship						
OBC Scholarship						
OBC Freeship						
SBC Scholarship						
SBC Freeship						
VJNT Scholarship						
VJNT Freeship						
EBC	521		574		616	
STC	16		17		11	
PTC	17		14		19	
Minority	1		2		4	
TFWS	13		17		15	
By Trust	1		1		1	
Total	910		1000		1073	
Percentage (%)	81.76		82.51		79.72	



5.1.4 What are the specific support services/ facilities available for

- ✓ Students from SC/ ST,OBC and economically weaker sections
- ✓ Students with physical disabilities
- ✓ Overseas students
- ✓ Students to participate in various competitions/ National and International
- ✓ Medical assistance to students: health centre, health insurance etc
- ✓ Organizing coaching classes for competitive exams
- ✓ Skill development (spoken English, computer literacy, etc.)
- ✓ Support for “slow learners”
- ✓ Exposures of students too their institution of higher learning/ corporate/ business house etc
- ✓ Publication of student magazines

1. Students from SC/ST, OBC and economically weaker sections

- The students who belong to SC/ST, OBC and the economic weaker sections are identified during the process of admission, these students are provided every possible help to get the Government (State and Central) scholarships.

- **Earn and Learn Scheme:** This scheme is being initiated by the college from 2016 for enabling the socially and economically disadvantaged students to earn small amounts of money by working in various college departments.
- **Bus facility / Hostel facility:** is made available free of cost for SC/ST students from year 2016-17.

2. Students with physical disabilities

- College ensures that infrastructure facilities like ramp, wash room meet the requirements of the students with physical disabilities.
- It is ensured that they don't have any physical obstruction. They are provided front-seats in the class rooms and comfortable furniture.

3. Overseas students

- Institute does not have quota for overseas students.

4. Students to participate in various competitions/National and International

- Students are encouraged and motivated to participate in extracurricular and co curricular activities such as technical fests, cultural events, and sports events which are organized by reputed institutions such as IITs, NITs, Universities and Government colleges.
- All necessary support and services are provided by the Institute like financial assistance, Wi-Fi facility and library facility.
- Faculty members coordinate and ensure that maximum students participate.

5. Medical assistance to students, health centre, health insurance etc.

- The institute is availing the facilities of a clinic managed by the Holy-wood Academy for medical assistance and emergency.
- The clinic has provision for 20 beds, a medical practitioner and a fulltime nurse.

- Well known hospitals are at a distance of less than a kilometer from the college and can be approached easily.
- General medicine and a first aid kit are available with every department. The college has ambulance facility in case of emergency.

6. Organizing coaching classes for competitive exams

- To prepare students for competing in the GATE examinations faculties provide guidance to the interested students.
- College also provides infrastructural facilities to organize coaching classes for the same.
- Study material related to GATE and other competitive examinations is available in the college central library.
- Career Development Cell (CDC) always guide the students for preparation in competitive exams like UPSC, MPSC etc.

7. Skill development (spoken English, computer literacy, etc.,)

- The Teacher Guardian identifies students with poor communication skills and provides coaching to improve their skills.
- The college has a language laboratory to support and encourage students to improve their spoken English.
- College conducts various seminars, workshops and guest lectures for the students by experts to enhance their skills.
- College has a library with internet facility and provides Wi-Fi connectivity, which helps students stay updated with new technologies and current affairs.
- The college has adopted the 50:10 module of communication where students are encouraged to speak for 10 minutes so as to improve their spoken English.

8. Support for “Slow learners”

- The department identifies slow learners and a teacher guardian is appointed for every 20 students who provide counseling to slow learners by providing them guidance to improve their academic performance.

- Remedial classes are also conducted for slow learners.
- Previous university question papers and question bank are made available to students.

9. Exposure of students to other Institution of higher learning/ corporate/ business house etc.

- The students are given exposure to other Institution of higher learning/corporate/business house by arranging various workshops, seminars and guest lectures by experts from industry and institutes.
- The college also takes initiative to guide the students for their career, motivate them for higher education & placement in reputed companies by arranging motivational lectures by industry experts.
- Eminent personalities and industrialists are invited regularly for key note speeches during inauguration of events.
- The college also arranges industrial visits to leading industries for gaining practical knowledge and exposure to the industrial environment.
- The students are motivated to participate and present research papers in various national and international conferences organized by various reputed institutes.

10. Publication of student Magazine

- The Institute publishes a college magazine annually named as “ANTARNAAD”.
- The college encourages students to be a part of the college magazine. The magazine provides a platform for students to showcase their creative and innovative talents.
- Apart from the college magazine each department publishes its newsletter and technical magazine which encourage the students to showcase their talent.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- Institute commenced an Entrepreneurship Development Cell (EDC) from 14th Oct.2014 for facilitating entrepreneurial skills, among the students.
- Currently entrepreneurial skills workshops are arranged every year for the final year students.
- The departments of the institute also take special efforts to organize lectures of entrepreneurs to motivate the students.

The Activities organized for Entrepreneurship Development are as follows:

Sr. No.	NAME OF THE ENTREPRENEUR	NAME OF THE COMPANY	DATE OF CONDUCTION
1.	Mr. RAVI DOLLI (MD)	MAYURA STEEL PVT.LTD.KOLHAPUR	02/02/2016
2.	Mr. SACHIN PARANJPE	SWAPNASHIL HOUSING PVT.LTD	02/02/2016
3.	Mr. NAMDEV PATIL & Mr. RAJU PATIL	HIND GEARS	03/02/2016
4.	Mr. NAVIN MAHAJAN	MAHAJAN & ASSOCIATES	03/02/2016
5.	Mr. RAHULPRASAD AGNIHOTRI	RAHULPRASAD AGNIHOTRI & CO.	04/02/2016
6.	Mr. RAJRATNA SUVARNA	SUVARNA ALLOYS PVT.LTD KOLHAPUR	04/02/2016
7.	Mr. SANTOSH KULKARNI	ORTHO CARE & CURE KOLHAPUR	05/02/2016
8.	Mr. CHIRAG R.KULKARNI	MEALS ON WHEELS	05/02/2016
9.	Mr. VIKRAM YELAVKAR	HONEYWELL TECHNOLOGY SOLUTIONS, BANGALORE	06/02/2016
10.	Mr. PRASANNA DESHINGKAR	FINQ MUMBAI	06/02/2016

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc

- Additional academic support, flexibility in examinations
- Special dietary requirements, sports uniform and materials
- Any other

Policies/Strategies

- Institute provides support to students for participation in extracurricular and co-curricular activities through various committees.
- Training and Placement Cell organize training for the students which develops their skills.
- Cultural Committee strives to motivate students for the participation in various events.
- Institute also encourages students to participate in events organized at various levels.
- Academic flexibility and guidance is provided to the students who participate in extracurricular and co-curricular activities.
- Extra lectures and re-exams are conducted for those who participate in extracurricular and co-curricular activities.
- Financial support is provided to the students who participate in various activities.

Special dietary requirements, sports uniform and materials

- Dietary food is made available in canteen for the sports participants.
- Sports uniform and K it is provided.

Any Other

- Institute organizes Intra College Annual Sports and Social function “Euphoria” in which students participates actively.
- Students also participate in college programs such as Group Discussions, Paper Presentations etc. held under the respective student association.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE/ CAT/ GRE/ TOFEL/ GMAT/ Central/ State services, Defense, Civil Services, etc

Support & Guidance provided to the student's

- Institute facilitates support and guidance to the students who are preparing for the various exams through *Career Development Cell (CDC)*
- CDC organizes various seminars, expert lectures and training by internal and external experts so that students qualify with good score.
- Details of students who are qualified various competitive exams.

Following is the list of students who have qualified in various competitive exams-

Year	No. of Students Qualified for		
	GATE	Civil Services	GRE/TOEFL
2013	2	3	1
2014	4	2	1
2015	1	2	0

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

Academic Counseling:

- Teacher – Guardian Scheme has been initiated in the institute in which a group of 15-20 students are allotted to a Teacher – Guardian (faculty).
- Teacher – Guardian regularly monitors the performance of students and counsel accordingly.

Personal Counseling:

- Teacher – Guardian conduct meetings with the students to discuss their problems related to academics, facilities, etc.
- Students are motivated to share their problems without hesitation to make the friendly environment.

Career:

- Guidance is given for career development, skill development etc. Counseling regarding competitive exams is done under respective cell. Admission cell of SETI counsels students to choose branch according to their interest during admission.
- Also, Training and Placement Cell gives guidance about various job opportunities and scope in respective field.

Psycho-social:

- Students are very sensitive during their academics as they face various psychological problems such as fear, stress, family and financial problems etc. because of which students get disturbed. At times, teacher guardian gets involved to help and strengthen students psychologically.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If „yes“, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students elected during campus interviews by different employers (list the employers and the programmes).

The Institute provides regular counseling services to the students to address the issues related to their academic, personal as well as career awareness.

Academic & career counseling:

- Every department allocates 15 to 20 students to the faculty member (counselor) who counsels the allotted students regularly and looks after their academic as well as career related issues.
- **The first year students are also counseled by the teacher guardian about the scope and nature of the various subjects that form the syllabus.**
- Students are guided and counseled by TG and Head of the Department on academic and career prospects.

Personal & psycho-social counseling:

- The faculty member acting as a counselor interacts with all the allotted students regularly and tries to identify the personal problems of the students.
 - For this the students are made comfortable by providing a friendly environment so that they can share their personal problems with the counselor.
 - The counselor is very supportive in guiding them to solve their problems. The students sometimes face inferiority complex due to certain social issues or problems. The counselors try to understand the issue and address the same.
- Professional counselor

Academic Year 2015 – 2016

Sr. No.	Company Name	Number of Student Selected						TOTAL
		CSE	E&TC	CIVIL	ELECT	MECH	AUTO	
1	Prabha Engineerings, Shirol					1		1
2	Sound Casting, Kagal					4		4
3	Enmarol Petroleum, Mumbai					2		2
4	Abhijit Industry, Pune				2	11		13
5	Kelsons, Shirol					7		7
6	CMS, Kalyan, Mumbai	2	18		8			28
7	A S Moloobhoy Pvt. Ltd, Mumbai		2					2
8	Tribro Softech, Pune		15		1			16
9	Fujikura Automotive India		1					1
10	Persistent	1						1
11	Tribro Softech, Pune	3						3
12	Mphasis	1						1
13	XL-Dynamics, New Mumbai				2			2
14	PC Tech, Pune				2			2
15	Ghatge Groups (My Hyundai)						4	4
16	Unique Auto (Renault)						5	5
17	Ghatge Groups (Chetana Motors)						3	3
18	Ajay Locomotive, Ashta						1	1
19	KMV, Bangalore			4				4

List of Employers

Sr. No.	Name of Employer	Sr. No.	Name of Employer
1	Prabha Engineerings, Shirol	18	Aadi Corporation
2	Sound Casting, Kagal	19	Tejas Infrastructure
3	Enmarol Petroleum, Mumbai	20	Sk Engineering & Works Pvt Ltd
4	Abhijit Industry, Pune	21	Acty System India Pvt Ltd Mumbai
5	Kelsons, Shirol	22	Irrigation Dep. (Gov)
6	CMS, Kalyan, Mumbai	23	Intervalve India Pvt,Pune
7	A S Moloobhoy Pvt. Ltd, Mumbai	24	Syntel Pune
8	Tibro Softech, Pune	25	Te Connectivity Pune
9	Fujikura Automotive India	26	Tibro Softech, Pune
10	Persistent	27	Mphasis
11	Accord Shine (Web World G)	28	XL-Dynamics, New Mumbai
12	Caresoft Mumbai	29	Ghatge Groups (My Hyundai)
13	Sahyadri Construction Pvt. Ltd	30	Unique Auto (Renault)
14	Earth Logitech Kolhapur	31	Ghatge Groups (Chetana Motors)
15	Finolex Cable Manufacturing	32	Ajay Locomotive, Ashta
16	Savy Software Pvt. Ltd, Pune	33	KMV, Bangalore
17	Shriyantra Automation Pune		

5.1.10 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

The institute has a Training & Placement Department, to encompass various activities from shaping the students to meet the stringent requirements of the Industry, and to make them suitable to excel in the highly competitive business world.

- The institute believes that every student who joins the institution deserves to get a potential placement opportunity.
- The main objective of T & P cell is to motivate and guide students to explore the domains of various career opportunities, entrepreneurship and enhance functional skills by providing industrial training; industry associated projects & enhances employability skills by enhancing aptitude skills, communication skills, GD & PI skills.
- The placement cell is dedicated to identify probable employers & conduct campus interviews. We also invite experts from industries to guide the students on latest technology, expectations from industries and different career options.
- T & P cell also acts as information source for opportunity in higher education.
- Number of students placed in campus interviews is growing year by year. Many companies regularly visit institute for campus recruitment.

The structured mechanism of the institute for career guidance and placement of its students is given below

POLICY:

The Training and Placement Cell respects, “One student one job policy”.

5.1.11 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

- The institute has the grievance redressal cell to redress the grievances of the students.
- The students approach the cell to voice their grievances regarding academic matters, financial matters, health services, library and other central services.
- The Grievance Redressed Cell attempts to address genuine problems and complaints of students whatever be the nature of the problem.
- Students are encouraged to use the suggestion boxes placed on each department of the institute to express constructive suggestions and grievances.
- They also approach the members of the cell or any of their other faculties whichever of it is comfortable to them.

Suggestion Box:

Suggestion boxes are kept at appropriate places in the institute so that students can put their suggestions, complaints and requests. Through suggestion box, grievances are redressed time to time by the institute to serve its stake holders. Some of the Grievances reported and redressed such as

- Bus facility for village Kotoli..
- Provision for boys rooms.
- Library books and facilities
- Canteen facilities
- Concession in college fees
- Provision of Study room

GRIEVANCE REDRESSAL COMMITTEE

Sr. No.	Name of Member	Department	Position
1	Prof. R. S. Kulkarni	Mechanical Engg.	Convener
2	Prof. S. L. Ghodake	Automobile Engg.	Member
3	Prof. S. T. Jadhav	II nd shift Diploma	Member
4	Prof. V. S. Mane	E & TC	Member
5	Prof. B. M. Mohite	Civil Engg.	Member
6	Prof. J. B. Metkari	CSE	Member
7	Prof. P. P. Kulkarni	Electrical Engg.	Member
8	Prof. Dr. V. A. Patil	General Engg.	Member

5.1.12 What are the institutional provisions for resolving issues pertaining to sexual harassment?

As per the guidelines of Hon. Supreme Court of India, Government of Maharashtra & directives of Shivaji University, Kolhapur.

- The institute has a women grievance cell which was earlier called as Sexual Harassment prevention (Vishaka) committee. This committee nowadays is known as Internal Complaint Committee, in view to address violence against women employees and girl students.
- The cell takes necessary steps if the incidents related to sexual harassment require the intervention of the law. The cell is constituted as per the norms of the UGC.
- Till date no such case of sexual harassment has been reported in the Institute. The institute has a flying squad for continuous vigilance. Strict punishment provisions and vigilance prevents sexual harassment of women employees and girl students.

INTERNAL COMPLAINT COMMITTEE

Sr. No.	Name of the Member	Authority	Position
1	Prof. Smt. A. M. Momin Nominated Teacher UG	Principal Nominee(Faculty)	Committee Head
2	Adv. Smt. Shital Bhosale Legal Advisor, Panhala	Community Member	Member
3	Prof. S. L. Ghodake H. O. D. of Automobile Engg.	Principal Nominee(Faculty)	Member
4	Prof. S. T. Jadhav II nd Shift Diploma Wing	Principal Nominee(Faculty)	Member
5	Smt. Deepa Sunil Kashid NGO Representative	Non-Govt. Social Organization	Member
6	Ms. Moni Khopade S.E.CSE	Girls Representative	Member
7	Ms. Pradnya Chougule B.E.CIVIL	Girls Representative	Member
8	Ms. Snehal Kashid S.Y. Diploma MECH	Girls Representative	Member
9	Prof. Smt. P. L. Gaikwad Nominated Teacher UG	Principal Nominee(Faculty)	Member
10	Prof. Smt. Na. G. Khan II nd Shift Diploma Wing	Principal Nominee(Faculty)	Member
11	Prof. Smt. Sneha Lad (Nominated Teacher UG)	Principal Nominee(Faculty)	Member

5.1.13 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The Institute has formed the following anti-ragging committee and squad for overseeing the implementation of the provisions of the verdict complying with the Directives of the Hon'ble Supreme Court of India.

Below mentioned is the anti-ragging committee of the institute.

Sr. No.	Name	Designation
1.	Dr. G. V. Mulgund, (Principal)	Chairman
2.	Prof. R. S. Kulkarni (Teaching Staff)	Convenor
3.	Shri. Vijay Patil (Civil Admin. Representative)	Member
4.	Shri. Devdas D. Varekar (Media Representative)	Member
5.	Shri. Sunil Kashid (NGO Representative)	Member
6.	Shri. Sudhir P. Nangare (Teaching Staff)	Member
7.	Ms. Nilofer G. Khan (Teaching Staff)	Member
8.	Mr. Vinayak H. Deokar (Parents Representative)	Member
9.	Dr. Vishal A. Patil (Parents Representative)	Member
10.	Shri. D. Z. Patil (Non-Teaching Staff)	Member
11.	Shri. D. S. Patil (Non-Teaching Staff)	Member
12.	Shri. Bhaskar Kambale (Boys Hostel Warden)	Member
13.	Mrs. Vijaymala S. Chavan (Girls Hostel Warden)	Member

Below mentioned is the anti-ragging squad of the institute.

Sr.No.	Name of the member	Designation
1)	Prof. R. S. Kulkarni	Chairman
2)	Prof. S. P. Nangare (Teaching Staff Representative)	Member
3)	Shri. Ranjit A. Ingawale (Physical Director)	Member
4)	Prof.(Smt.) A. M. Momin (Teaching Staff Representative)	Member
5)	Shri. Arun Bagade, (Non-teaching Representative)	Member
6)	Shri. Nitin Patil, (Boys Hostel Warden)	Member
7)	Smt. Vijaymala S. Chavan (Girls Hostel Warden)	Member
8)	Shri. Bhaskar Kambale, (Boys Hostel Warden)	Member-Secretary

No instances of ragging have been reported since the inception of the institute.

5.1.14 Enumerate the welfare schemes made available to students by the institution

The institute provides following welfare schemes to students.

1. Earn And Learn Scheme

This scheme is for the economically weaker students. The students are allotted college work like preparing documentation, data entry, labeling books etc. after college hours and are paid accordingly.

2. Book Bank Scheme

The books are made available to the under privileged students from the funds received from state government.

3. Special Guidance Scheme

For the first year students lectures by subject experts are arranged regularly.

4. Personality Development for Girls

The institute regularly organizes workshops on Personality Development for all the girls of the institute to develop their personalities.

5.1.15 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

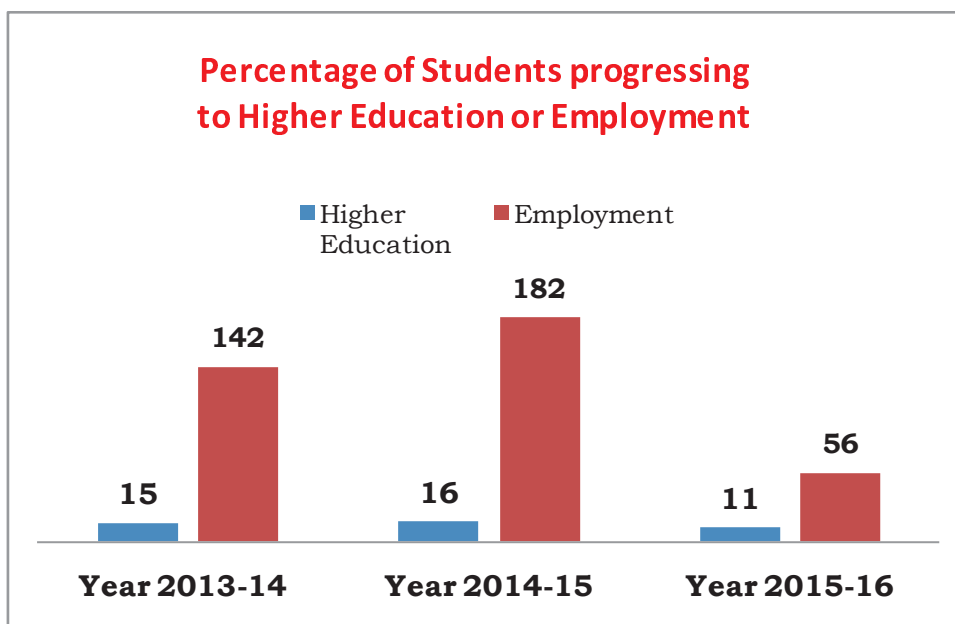
Institute arranges alumni meet every year. The institution is in process of registering for Alumni Association.

5.2 STUDENT PROGRESSION

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed. Student progression % UG to PG PG to M.Phil PG to Ph.D Employed

- Campus selection
- Other than campus recruitment

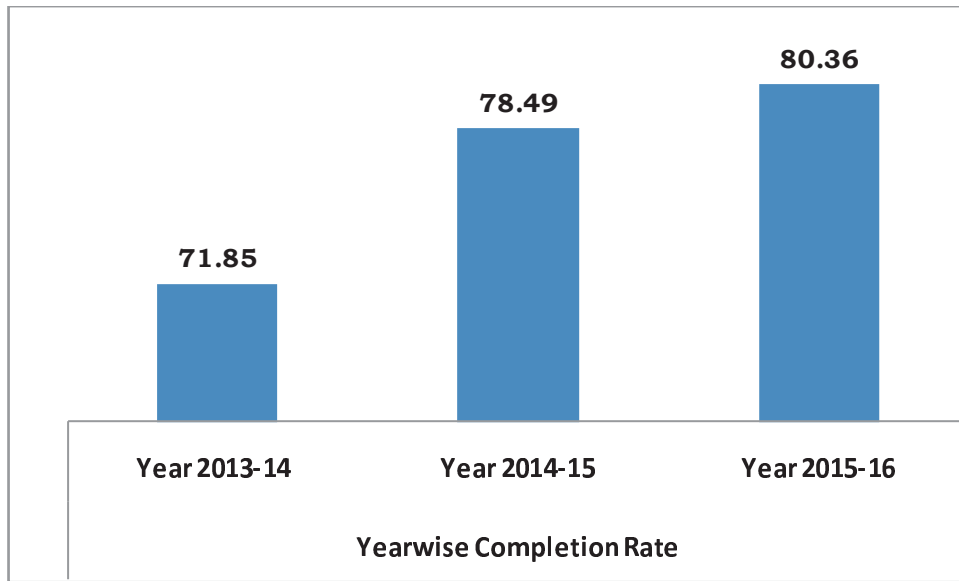
Year	Department	Total BE Students	Higher Education	Employment	Self-employed
2013-2014	Civil	47	3	15	14
	Mechanical	74	6	40	4
	Electrical	24	1	18	0
	Auto mobile	29	3	9	2
	E&TC	54	4	40	0
	CSE	65	4	60	1
Total		219	15	142	17
2014-2015	Civil	38	3	17	13
	Mechanical	98	10	55	4
	Electrical	63	4	30	2
	Auto mobile	48	4	25	2
	E&TC	79	3	45	0
	CSE	69	2	65	2
Total		297	16	182	19
2015-2016	Civil	45	3	14	10
	Mechanical	143	13	50	04
	Electrical	76	0	6	1
	Auto mobile	49	2	7	0
	E&TC	72	3	25	0
	CSE	42	3	4	0
Total		284	11	56	11



5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohortwise/batchwise as stipulated by the university)? Furnish programme wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Academic Year – 2013 – 2014 – 2015 – 2016

Department	Year 2013-14			Year 2014-15			Year 2015-16		
No. of Appeared Students	No. of Appeared Students	No. of Students Passed	%	No. of Appeared Students	No. of Students Passed	%	No. of Appeared Students	No. of Students Passed	%
Civil	152	95	62.50	158	107	67.72	186	91	48.92
Mechanical	339	285	84.07	365	310	84.93	429	354	82.52
E & TC	230	154	66.96	210	155	73.81	196	142	72.45
CSE	163	159	97.55	147	141	95.92	96	84	87.50
Automobile	136	94	69.12	156	138	88.46	150	131	87.33
Electrical	168	108	64.29	203	145	71.43	204	165	80.88
Total	849	610	71.85	874	686	78.49	832	613	80.36



5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Higher Education

- Institute has CDC which creates awareness among students for higher studies by conducting seminars, expert lectures and trainings.
- Various books are available in library for exams required for higher studies like GRE, TOEFL, GATE, etc.

Employment

- Training and Placement cell organizes various activities for students to improve soft skills, technical skills, group discussions etc.
- It arranges campus placement drives by inviting many companies.

5.2.4 Enumerate the special support provided to students who are at risk of failure and dropout?

The Institute provides academic support for the students who are at the risk of failure by following measures.

- Remedial Classes.
- Extra Classes for both theory and practical
- Retest
- Assignments
- The institute arranges extra lectures for slow learners.
- Teacher guardian analyzes the performance at regular interval and takes required action by counseling and informing the same to parents of the students who are at risk of failure.
- Faculty provides their notes so that students can understand easily.
- Institute provides book bank facility to students.
- Faculty members give guidance about how to answer university question papers, facing external orals etc. and clarify the doubts of students.
- Review of students is discussed in weekly departmental meeting. The Head of the department and the Principal also do special counseling sessions for the students who are likely to drop out.

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 List the range of sports, games, cultural and other extra curricular activities available to students. Provide details of participation and program calendar

- To ensure the overall development of the students the institute regularly conducts co-curricular and extracurricular activities.
- Extracurricular activities in almost all areas are being arranged to mould the students in multidimensional personalities..
- The departments also organize various sports, games, cultural and other extra-curricular activities in the first semester to provide a platform to the new students to showcase their talents.

- The sports department helps to promote the sports culture among the students. The efforts taken by the department are shown in the form of achievements in various sports activities at institute level, university level, state level and national level also.
- The institute has appointed a dedicated physical director for enhancing the sports activities in the institute.
- The institute also has the facility of common gymnasium with state of the art gym equipments.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/International, etc. For the previous four years?

Sr. No.	Department	Name of Student	Name of Event	Name of Organizer	Level	Achievement
1	Electronics & Telecomm.	Onkar Dhanlobhe	QUANTUM 2016	RIT, Islampur	National	2nd Prize in National Level Project Master
2		Nachiket Masurkar	Virtual BAJA SAEINDIA	Chitkara University, Punjab	National	Participation
3		Nachiket Masurkar Kedar Patil	GENETECH 2015	Genesis Institute of Technology, Kolhapur	State	Participation (Circuit Champ)
4		Nachiket Masurkar	AAVISHKAR 2K16	Government College of Engineering, Karad	State	Participation (Electrompia)
5		Pooja Chavan				
6		Nachiket Masurkar Kedar Patil	AAVISHKAR 2K16	Government College of Engineering, Karad	State	Participation (Logic Hunt)
7		Pooja Desai	Navapravartya	SGMCE, Mahagaon	State	Participation (Project Comp)
8		Poornima Bargale	SEED IT Idol	SEED Infotech Ltd. & Shivaji University	University	Participation

9		Jayesh Shingole Rohit Bhosale Pranav Tonape	NES Innovation Awards	NES, Pune	National	4th Rank Project Comp
10		Pooja Chavan	AAVISHK AR 2K16	Government College of Engineering, Karad	State	Participation (Project Parade)
11		Kedar Patil	AAVISHK AR 2K16	Government College of Engineering, Karad	State	Participation (Encryptech)
12	Electronics & Telecomm.	Onkar Patil	TECHNOMANIA 2015	KIT, Kolhapur	University	Participation
13		Pooja Chavan	Group Discussion Context-2015	DYP, Kolhapur	University	Participation
14		Abhishek Jadhav	DISCOVERY 2K14	ADCET, Ashta	University	Participation
15		Shailesh Sankpal				
16		Pooja Chavan	Two Days Workshop on Mobile Antennas	RIT, Islampur	University	Participation
17		Poornima Bargale	Navapravartya 2k15	SGMCE, Mahagaon	University	Participation (Tech Quize)
18		Gauri Suryawanshi	Tech-Symposium 2K15	DKTE, Ichalkaranji	University	Participation (Micro- Tech)
19		Pooja Chavan Poornima Bargale	AAVISHK AR 2015	Government College of Engineering, Karad	State	Participation (Electrompia)
20		Onkar Patil	PARIKRAMAA'14	SETI, Panhala	University	3rd Rank In Tech Quize
21		Onkar Patil	COMMNNICIA 2K13	JJM, Jaysingpur	University	2nd Prize in Lexicon (uC & uP)
22		Onkar Dhanlobhe	BATTLE CITY- 2K12	TKIET, Warananagar	University	Participation ROBO Exhibition

23		Pooja Chavan	PARIKRAMAA'14	SETI, Panhala	University	Tech Quize
24		Abhishek Jadhav	TECHNOSTONE 2013	SETI, Panhala	University	Participation (Paper Presentation)
25		Abhishek Jadhav	EUPHORIA-14	SETI, Panhala	University	1st Prize Drama
26		Gauri Surywanshi	PARIKRAMAA'14	SETI, Panhala	State	Participation (Robo Race)
27		Onkar Patil	100th Indian Science Congress			1st Rank Design Spark
28		Pooja Chavan	TEXPLORE 2K13	Calcutta University, Kolkata	National	Participation
29		Pooja Chavan Poornima Bargale	PARIKRAMAA'13	KIT, Kolhapur	University	Participation
30		Pooja Chavan	2 days Robotics WS EMBEDX	SETI, Panhala	State	Participation (Memory-Test)
31		Poornima B. Bargale	State Level TEXPLORE 2K13	SETI, Panhala (Sqare Robotics)	University	Participation (Poster Presentation)
32		Abhishek Jadhav	PARIKRAMAA'13	KIT, Kolhapur	University	Participation (Design Spark)
33		Gote Kumar	QUIZ STRIKER	SETI, Panhala	University	Participation
34	Electrical	Patil Pruthviraj S.	Idea Presentation	NMCOE Peth	University	Runner-Up
35		Patil Gaytri D.	RSF	S.G.I.	University	1 Rank
36		Koli Komal D.	RSF	S.G.I.	University	2Rank
37		Patil Gaytri D.	G.S.F.	C.O.E.Pune	State	Participated
38		Patil Gaytri D.	RSF	S.G.I.	University	Rank 1
39		Koli Komal D.	RSF	S.G.I.	University	Rank 2

40		Patil Pruthviraj S.	Idea Presentation	NMCOE Peth	University	Runner-Up
41	Civil	Vikram Ayare	Vastu	RIT	University	Participated
42		Nikant Bhusnar	Vastu	RIT	University	Participated
43		Mayuri Yadav	Modra 2k14	JJMCOI	University	Participated
44		Aswini Sutar	Paper Presentation	TKIET	University	Participated
45		Abhishek Satpute	Kaun Banega CEO	ADCET Ashta.	University	Winner
46	Computer Science & Engineering	Shruti Savardekar	Technosia 2014	IIT BHU	National	1 st Winner
47		Amruta Bhagwan	Technosia 2014	IIT BHU	National	2 nd Winner
48		Pratima Parapate	Technosia 2014	IIT BHU	National	2 nd Winner
49		Amar Patil	Quiz competition	DYP Kolhapur.	University	Runner up
50		Sandip Swami	Quiz competition	DYP Kolhapur.	University	Runner up
51		Amar Patil	Industry Problem Solving	DYP Kolhapur.	University	Runner up
52		Sandip Swami	Industry Problem Solving	DYP Kolhapur.	University	Runner up
53		Premkumar S. Ghorpade	Industry Problem Solving	DYP Kolhapur.	University	Runner up
54		Vishal Randive	Industry Problem Solving	DYP Kolhapur.	University	Runner up
55		Prajakta S. Patil	Expert java	DKTE Ichalkaranji	University	Runner up
56		Shushrut Bhosale	Paper Presentation	KIT Kolhapur.	University	Winner
57	Mechanical	Rohit Dinde	Anuttara	SGM Poly, Mahagaon	National	Winner
58		Rohit Dinde	Biography	Shivaji University	University	2 nd Winner
59		Rohit Dinde	Engenious	AMGOI, Vathar	State	2 nd Winner
60		Rohit Dinde	Photography	Shivaji University	University	3 rd Winner
61		Rohit Dinde	XECEITE 2K15	BIMAT	National	Winner

62		Rohit Dinde	Sinhavalokan	Shivaji University	University	Winner
63		Rohit Dinde	Techvagan 2K15	JJMCOE, Jayshingpur	National	Consolation
64		Aditya Pimpale	Inno vation 2016	SIT, Yadrav	National	2 nd Winner
65		Aditya Pimpale	Inspira 2K16	RIT, Sakrale	State	Winner
66		Pradip Bavane	Nirmiti 2K16	PVPIT, Budhgaon	National	Winner
67		Pradip Bavane	Reflex 2K15	AMGOI, Vathar	National	1 st Winner
68		Nivruti S. A.	Inno vation 2016	SIT, Yadrav	National	1 st Winner
69		Santosh Devudkar	Aavishkar 2K16	GCOE, Karad	National	Runner Up
70		Santosh Adkurkar	Jidnyasa 16	TKIT, Warnanagar	Lead College	1 st Winner
71		Santosh Adkurkar	IETK Expo 16	IET, Nashik	National	1 st Winner

c) Extra Curricular Activities:

i) Sports Competition:

**Shivaji University, Kolhapur
Interzonal Tournament Events**

Game Name	Date	Venue
Hockey (Men)	07th - 9th October 2013	Major Dhyanchand Hockey Stadium, Kop.
Hockey (Women)	12th - 13th October 2013	Major Dhyanchand Hockey Stadium, Kop.

**Shivaji University, Kolhapur
Lead College Tournament Events**

Game Name	Date	Venue
Volleyball (M/W)	28th Feb. & 1st March. 2014	Shivaji & Shahu Kridangan, Panhala
Hockey (men)	5th March. 2014	Major Dhyanchand Hockey Stadium, Kop.

Shivaji University Under Engineering College
Invitation Football Tournament
By SETI & Pratisad Milk Football Tournament 2014

Game Name	Date	Venue
Football (Men)	19th & 20th March. 2014	Shivaji Stadium Kolhapur

Shivaji University, Kolhapur Inter Zonal Competition Sports Report 2013-14

Sr. No.	Game / Event	Venue	Position
1	Barale Hemant - Swimming(Boys)	Kolhapur	First
2	Hockey(Boys)	Kolhapur	Third
3	Lawn Tennis	Kolhapur	Fourth
4	Ojas Aparadh- Body Building	Kolhapur	Third
5	Guruprasad Palankar – Judo	Sakharale	Second

Shivaji University, Kolhapur Zonal Competition Sports Report 2013-14

Sr. No.	Game / Event	Venue	Position
1	Swimming(boys)	Kamala College , Kolhapur	First
2	Table Tennis(boys\girls)	Rajaram College , Kolhapur	Participated
3	Badminton(boys)	Mahavir College , Kolhapur	Participated
4	Football(boys)	New College , Kolhapur	Participated
5	Basketball (Boys)	Night College , Kolhapur	Participated
6	Chess	Vivekananda College , Kolhapur	Sixth
7	Athletics	Shivaji University,Kolhapur	Participated
8	Kho-Kho (Boys)	B.P.Ed College, Kurundwad	Participated
9	Cricket	G.K.G Mahavidyalay Jaysingpur	Participated
10	Volley Ball (Boys)	A.D. College, Hatkanangle	Participated

**Shivaji University, Kolhapur Lead College Competition
Sports Report 2013-14**

Sr. No.	Game / Event	Venue	Position
1	Swimming (Boys)	D.K.T.E., Ichalkaranji	First
2	Body Building (Boys)	T.K.I.E.T.E., Warananagar	First
3	Volleyball (Boys)	Sanjeevan Engg., Panhala	First
4	Volleyball (Girls)	Sanjeevan Engg., Panhala	Second
5	Hockey (Boys)	Sanjeevan Engg., Panhala	First
6	Basketball (Boys/Girls)	Ghodawat College, Atigre	Participated
7	Cricket	D.K.T.E., Ichalkaranji	Participated
8	Football	KIT, Kolhapur	Participated
9	Chess (Boys/Girls)	Bharati Vidyapeeth, Kolhapur	Participated
10	Athletics (Boys)	KIT, Kolhapur	Participated
11	Badminton (Boys)	D.Y. Patil College Kolhapur	Participated

**Shivaji University, Kolhapur
Interzonal Tournament Events**

Game Name	Date	Venue
Hockey (Men)	24th-26th Dec. 2014	Major Dhyanchand Hockey Stadium, Kop.

**Shivaji University, Kolhapur
Lead College Tournament Events**

Game Name	Date	Venue
Kabaddi (M/W)	11th Feb. 2015	Sanjeevan Engg. & Tech. Inst. Panhala
Hockey (men)	13th Feb. 2015	Major Dhyanchand Hockey Stadium, Kop.
Swimming (M/W)	11th Feb. 2015	Sanjeevan Engg. & Tech. Inst. Panhala

Shivaji University, Kolhapur Inter Zonal Competition Sports Report 2014-15

Sr. No.	Game / Event	Venue	Position
1	Swimming (Boys)	Kolhapur	First
2	Hockey (Boys)	Kolhapur	Participated
3	Chess	R.N.P.K. College, Sangli	Participated
4	Judo	S.B. Khade College	Participated
5	Taekwondo	Dahiwadi College, Dahiwadi	Participated

Shivaji University, Kolhapur Zonal Competition Sports Report 2014-15

Sr. No.	Game / Event	Venue	Position
1	Swimming (Boys)	Vyankatesh Mahavidyalaya, Ichalkaranji	First
2	Table Tennis (B/G)	D.R.K. College of Commerce, Kolhapur	Participated
3	Badminton (Boys)	Vivekanand College, Kolhapur	Participated
4	Football(Boys)	SGI College, Atigre	Participated
5	Basketball (Boys)	Night College, Kolhapur	Participated
6	Chess	K.I.T. College, Kolhapur	Fifth
7	Cricket	SIT Engg. College, Yadav	Participated
8	Volley ball (Boys)	R.B. Madholkar Mahavidyalay, Chandgad	Participated

Shivaji University under Engineering College Invitation Tournament

Sr. No.	Game / Event	Venue	Position
1	Football	Bharati Vidyapeeth, Kolhapur	Third

**Shivaji University, Kolhapur Lead College Competition Sports
Report 2014 - 15**

Sr. No.	Game / Event	Venue	Position
1	Swimming (Boys)	Sanjeevan Engg., Panhala	First
2	Body Building (Boys)	T.K.I.E.T.E., Warananagar	Second
3	Volleyball (Boys)	Bharati Vidyapeeth, Kolhapur	Second
4	Volleyball (Girls)	Bharati Vidyapeeth, Kolhapur	Participated
5	Hockey (Boys)	Sanjeevan Engg., Panhala	Second
6	Basketball (B/G)	D.Y. Patil College, Talsande	Participated
7	Cricket	T.K.I.E.T.E., Warananagar	Participated
8	Football	T.K.I.E.T.E., Warananagar	Participated
9	Chess (B/G)	Gensis, Kasarwadi	Participated
10	Athletics (Boys) (Shotput, Discuss, Javelling)	K.I.T., Kolhapur	Second
11	Badminton (Boys)	D.Y. Patil College, Talsande	Participated

Cultural Activities

Event Name	No. of Students Participated		
	2013-14	2014-15	2015-16
Youth Festival Organized by Shivaji University	25	40	26

Extra Curricular Activities

Year	Level	No. of Students Participated
2013-14	National	6
	State	10
	University	7
2014-15	National	15
	State	12
	University	12
2015-16	National	10
	State	11
	University	16

5.3.4 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

1. Student Feedback:

The institute takes feedback from students .

Feedback is taken from students and acted upon to improve the teaching learning process and other parameters of the institute. The feedback from students is taken on a prescribed format of feedback about teachers. The detailed analysis of feedback is carried out & scope for improvement is identified. The corrective measures are taken.

Procedure followed for collecting feedback from students

- the feedback forms are distributed to the students
- It is then collected and analyzed.
- Feedback analysis report is submitted to HOD.
- HOD then intimates to faculty his weaknesses for further improvement in teaching learning process.
- Principal and Management address issues related to infrastructure, administrative processes, placement activities and others.

2. Employers Feedback:

The T&P department collects the feedback from the industry. The suggestions given by graduates, alumni and employers are taken into consideration to set the course objectives whenever required to improve the quality in teaching and learning process.

5.3.5 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

The Institute encourages publishing the material in various areas like articles related to nontechnical and technical interest, paintings, poems, photographs, interviews of renowned personalities. The circular regarding call of articles is circulated in the class as well as displayed on the departmental notice boards. The magazine committee is entrusted with the responsibility of planning, designing, layout, illustration and other related activities for publication of the magazine.

Magazine Committee (2015-16-17)

Sr. No	Name of Committee Member	Designation
1	Mr. Patil M. A.	Editor
2	Mr. Deshmukh S. B.	Member
3	Miss. Gaikwad P. L.	Member
4	Mr. Redekar A. P.	Member
5	Mr. Thoke A. C.	Member
6	Miss. Khan Nilofer	Member
7	Mr. Maske S. A.	Member
8	Mr. Solase A. M.	Member

Wall Magazine

- Departments has Wall Magazine team which encourages students to post their technical and non-technical articles, drawing, photos, poetry, stories etc.

Newsletter

Newsletters published department wise that includes various activities such as

- Events under departmental student association
- Industrial Visits
- Student and Staff Achievements
- Expert Lectures

Vision ,Mission and objectives

Photo Gallery

5.3.6 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The institute has a student council which is formed at the beginning of every academic year in accordance with the norms laid down by University. One class representative from each class will be nominated as a member of Student Council. The Student Council members elect one General Secretary, one Cultural Secretary, one Sports Secretary and one Girl's representative. The members of the committee are elected for a term of one year.

Functions

- Suggest ideas to improve academics.
- Facilities provided for students to improve sports activities.
- Motivate students to participate in different cultural activities.
- Providing hostels facilities for improvement in living conditions in the hostel.
- Providing financial assistance, special library facilities to the needy students.
- Maintain discipline among the students.
- Promoting social activities.

Activities

- Student Council actively involves in organizing events such as sports, cultural and social etc.

Funding

- No funding from external agency. All events are funded by institute.

COLLEGE STUDENTS COUNCIL – 2016 -17:

Sr.No.	Name of the Member	Designation
1	Dr. Gopal Vasantrao Mulgun , Principal	Chairman
2	Prof. Sameer A. Agnihotri, Nominated Teacher	Member
3	Mr. Vishwajeet P. Bhosale, Representative student FE	Member
4	Mr.Suhas Yuvraj Patil , Representative student SE	Member
5	Mr. Umesh Shankarrao Patil , Representative student TE	Member
6	Mr. Akash Sarjerao Chavan, Representative student BE	Member
7	Prof. Ingavale Ranjit Anantrao, Physical Director	Member
8	Mr. Rohit Krishnat Gonugade, Sports Representative	Member
9	Mr. Aniket R. Shinde, Cultural Representative	Member
10	Mr. Rohit Shamrao Dinde NSS student Representative	Member
11	Ms. Pradnya Rajendra Chougale Girls Representative	Member
12	Ms. Poonam Bhagavan Patil Girls Representative	Member
13	Prof.Mrs. T.T. Mohite Patil Principal, Diploma Wing	Member
14	Mr. Rushikesh Rajendra Powar Diploma student Representative	Member
15	Mr. Supriya Hanamant Patil Diploma Girls student Representative	Member

5.3.7 Give details of various academic and administrative bodies that have student representatives on them.

The details of various academic and administrative bodies that have student representatives on them are as follows.

Academic & administrative Bodies

- **Students’ Association** are formed to improve various skills by organizing events department wise.
- Various **Professional Bodies** such as Indian Society for Technical Education (ISTE), Indian Society of Heating Refrigerating and Air Conditioning Engineers (ISHRAE), The Institution of Electronics & Telecommunication Engineers (IETE), Society of Automotive Engineers (SAE), Computer Society of India (CSI) etc. to develop better learning skills and personality development programs.
- **Class Representatives** to improve academics.
- **Internal Complaints Committee** to create awareness regarding women rights.
- **Anti Ragging Committee** which ensures to keep the institution ragging free.
- **Department Advisory Board (DAB)** helps to provide better academics through research activities.
- **Hostel Committee** to fulfill needs of hostel students.
- **Library Committee** improves learning facilities.

5.3.8 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

- Institute arranges alumni meet every year.
- Head of the Departments, Faculty and Staff maintains regular contacts with the Alumni.
- The Institute has made provision on its website for the alumni registration.
- To network and collaborate with the alumni and former faculty the institute regularly invites them to conduct expert lectures, seminars and workshops.
- The institute invites the alumni for placement talks and entrepreneurship activities.

Any other relevant information regarding Student Support and Progression which the college would like to include.

- The institute facilitates the students to get the concession from local transport bodies for their regular to and fro travelling along with journey concessions during visits to their home towns and industrial tours.
- Also category and financially weaker students are given free bus & Hostel provision.

Criterion VI: Governance and Leadership & Management

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The Vision and Mission of SETI are listed below:

VISION

SETI to Educate to Excel in Social Transformation.

MISSION

- *To inculcate academic excellence in pursuit of technical education and to strive hard for good academic result and placements.*
- *To attract nurture and to retain the best faculty and technical manpower.*
- *To develop holistic personality of students to be a responsible citizen with ethical values and lifelong learning.*
- *To promote industry institute interaction for employability and entrepreneurship.*

6.1.2 What is the role of top management, Principal and faculty in design and implementation of its quality policy and plans?

The top management's role is to provide excellent infrastructure facilities and healthy teaching and learning environment to the students and faculty in order to implement the quality policy and plans. Principal, HOD's and all faculty members take care in implementing the policies and plans to the satisfaction of stakeholders. Principal provides academic leadership and in association with the faculties, evolves strategies for academic growth of the institution. The faculty members are actively involved in decision-making process through various committees such as institute academic advisory council, department advisory board, governing council, anti-ragging committee, research and development cell, cultural and sports committee, etc. The policies and practices to improve academic performance, methodology of conducting examinations are reviewed and discussed in HODs meeting before implementation.

Quality Policy:

- *We promise a conducive environment to our faculty, staff and students to realize the vision.*

For the effective implementation of the quality policy and plans, the management has disseminated following practices which shows the commitment, leadership role and its involvement:

- Recruitment of qualified and experienced faculty as per AICTE & UGC guidelines.
- Motivation, guidance and appreciation to the faculty, staff and students.
- Effective mechanism for monitoring the academic activities.
- Faculty development programmes for faculty and staff to update them about the latest developments in their field of specialization.
- Providing support for departmental seminars, project work and guest lectures.
- MOUs with various industries and institutes for promoting industry-institute interaction.

6.1.3 What is the involvement of the leadership in ensuring?

- The policy statements and action plans for fulfillment of the stated mission
- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan.
- Interaction with stakeholders.
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.

Involvement of the leadership in ensuring policy statements and action plans for fulfillment of the stated mission:

- Leadership develops the policy statements like Vision, Mission and Quality policy and action plans for fulfillment of the institute mission.
- Leadership defines programme educational objectives and outcomes.
- Assists in implementation of outcome based teaching methodology.
- Assists in effective planning of curriculum, course content and course delivery.
- Effective assessment of learning outcomes.
- Promotes research activities and encourages entrepreneurship
- Higher studies and research to compete the changing needs of the industry and institutes.

Involvement of the leadership in ensuring formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:

- Leadership defines monitors and reviews action plans for all operations of the institute.
- Action plans for all operations are formulated by the top management and the same are incorporated into the institutional strategic plan.
- The management conducts quality assessment through various committees to ensure accomplishment of its plans.
- Principal lead from the front in order to monitor and control administration and academic activities through HODs.
- The heads of the department play the crucial role in framing out the academic matters.
- The IQAC maintains and assures the quality of academic atmosphere.

Involvement of the leadership in ensuring interaction with stakeholders:

SETI has created several platforms for interacting with its stakeholders which are given below:

- Parent's meeting is conducted every year to update them regarding performance of their wards and to receive the feedback from parents.
- Regular feedback from students of all the teachers of all the courses is carried out in a semester. The feedbacks are analyzed by the Principal and concern HOD of the programme for continuous improvement in Teaching-Learning process.
- Alumni meet is conducted once in a year to know their views and ideas.
- Alumni survey is also conducted and analyzed to get feedback about the institute functioning.
- Employer's feedback is received and documented by training and placement cell.
- Counseling cell is functional to identify and resolve the problems of students.

Involvement of the leadership in ensuring proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders:

- The Heads of the departments review the departmental progress for continuous improvement in consultation with the Principal. This is based on the employer's feedback about the students placed in the preceding years.
- Additional training is given in the areas requiring improvement as suggested by the Industry.
- To improve the performance of the students, internal assessment through unit tests and assignments is conducted periodically and the results are reviewed/ displayed for the students.
- Remedial classes are conducted for academically weaker students.
- For acquiring research projects the institute encourages and arranges facilities.

Involvement of the leadership in ensuring reinforcing the culture of excellence:

- Providing prizes for the students for achievement in academics.
- Appreciating the faculty and students for their achievements.
- Organizing the orientation, research, continuous development, and career guidance programs for students and faculty.
- Giving support to faculty members for attending research oriented programme such as workshops, conferences and seminars.
- Inspiring faculty & Students for creating culture of involvement, ownership, empowerment, improvement and accountability at all levels.
- Assessing the progress and suggesting changes at regular intervals.

Involvement of the leadership in ensuring champion organizational change:

- The Principal, in consultation with the HODs plans the activities to bridge the knowledge gap through industry oriented add- on courses, guest lectures by leading academicians and industrialists, and frequent visits of students to industries.

- The Principal, HODs and faculty members encourage the students to represent the institution at various conferences, technical paper presentations, competitions organized at various industries/ institutes interaction meets.
- Upgrading infrastructure facilities and resources needed for improving teaching and learning process.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- The feedback on the academic and administrative activities from students and all stake holders is taken regularly. It is analyzed in the regular meetings of the teaching and non-teaching staff, discussed and decisions are taken on various issues.
- The performance of faculty is assessed regularly through self-appraisal reports, reports on the academic activities, examination results, research activities and involvement in other activities. The management is informed of any deviations, any disciplinary actions, achievements, requirements and important events by Principal.
- Assessment of the Program Educational Objectives is carried out at least once in an academic year using indirect assessment tools such as surveys from:
 - a) Students graduated from the institute (Alumni Feedback)
 - b) Employers of the Alumni (Employer Survey)
- Institute has implemented a documented process to assess attainment of programme outcomes. It includes direct assessment through examination activities and indirect assessment such as feedback mechanism & exit survey.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

- Heads of the departments are empowered for executing the policies in each department.
- The faculty members are nominated to be the members of institutions committees so that they can put forth their innovative ideas to achieve better results.
- Head of the institution ensure that every staff has a clearly defined role with specific duties and responsibilities.

- Under the leadership of the Principal, chairpersons of various committees & HODs are engaged in assigning, delegating, coordinating and communicating responsibilities to the staff members as per the established system.
- The responsibilities assigned to the teachers are conveyed to them in the periodical meetings/ reviews and by issuing personal letters and mails to them. The responsibilities are defined and communicated to the faculty & Staff of the Institute through official orders and mails.

6.1.6 How does the college groom leadership at various levels?

The management is always encouraging and supporting the involvement of the faculty, staff and students in the improvement of the effectiveness and efficiency of the institutional processes. The management, through the head of the institution, involves the faculty, staff and students in various activities related to the development of the college. The college grooms leadership at various levels as given below:

AT HOD level:

- By adapting decentralization strategies in order to bring out transformational leadership in faculty.
- Through annual self-appraisal to analyze their progress.
- By encouraging the HODs to focus on positioning the department to attain greater academic heights.
- By encouraging Faculty to visit numerous establishments, to find out how they are functioning, observe their practices and implement them if necessary.

At faculty level:

- By providing opportunities in varied committees to conduct varied programs that indicate their talents.
- Giving freedom to suggest the change required in the syllabus, introduce new teaching methodologies and have their own teaching set up.
- By inspiring to conduct industrial tours.
- By organizing seminars and workshops.

At student level:

- By encouraging them to conduct numerous programs to bring their leadership qualities to limelight.
- Organizing continuous leadership development programs like role plays, soft skills and personality development.
- Through entrepreneurship development cell that has tie-ups with numerous industrialists.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

- The Principal is the administrative head of the college. However certain administrative functions are delegated to the heads of departments and various functionary committees to ensure a decentralized governance system.
- The institute has academic administrative support system in place. The various committees with their clearly defined functions exist as depicted in the table below.

Committee	Functions	Frequency of Meetings
Governing Council (GC)	<ul style="list-style-type: none"> • Frame directive principles and policies. • Amend and approve policies from time to time • Approve budgets 	One per year
Academic Advisory Council (AAC)	<ul style="list-style-type: none"> • To approve the academic policies of the institute. • To recommend to the governing council for sanction of funds required for enhancing the academic level of the institute. • To review the academic progress of the institute and suggest measures to improve. 	One per Semester
Department Academic Advisory Committee (DAAC)	<ul style="list-style-type: none"> • To define vision and mission of the department. • To define programme specific objectives, course objectives and their mapping with vision and mission of the department. • To review the attainment of programme objectives and suggest the modifications if any. • To review the academic results, placement, progress of sponsored projects etc. • To promote R & D and consultancy. 	One per Semester

- Various other committees like Grievance Redressal Committee, Prevention of Sexual Harassment of Women (Internal Complaint Committee, ICC) at Workplace, and Anti Ragging Committee etc. assist in the effective and efficient functioning of the institution.
- All these steps ensure that effective decentralization of powers to Heads of departments and committees pave the way for efficient administration.

6.1.8 Does the college promote a culture of participative management?

If 'yes', indicate the levels of participative management.

Yes.

- The college promotes the participative management. All the major decisions are taken by the Principal after wide consultation with the HOD's.
- A decentralized functioning mechanism, empowers the departments and individual faculty with a great level of flexibility in academic administration, and helps the faculty in making decisions.
- The policies are well defined by the college authorities and well informed to all the concerned.

- In most of the committees, right from the governing council to the departmental committees, faculty involvement and participation is allowed.
- The management gives suggestions on various aspects on the basis of Principals report and feedback it gets from the society. These suggestions are communicated to the teaching and non-teaching employees and implemented by the Principal if feasible.

6.2 Strategy Development and Deployment

6.2.1 Does the institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, SETI has a formally stated quality policy as given below.

“We promise a conducive environment to our faculty, staff and students to realize the vision”.

Quality policy is derived and aligned with respect to the vision and mission of the institution stated above. Quality policy clearly states the objectives of the institution, their process of progress towards the achievement of objectives and its contribution to the society. All these strategies are monitored by the IQAC.

6.2.2 Does the institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

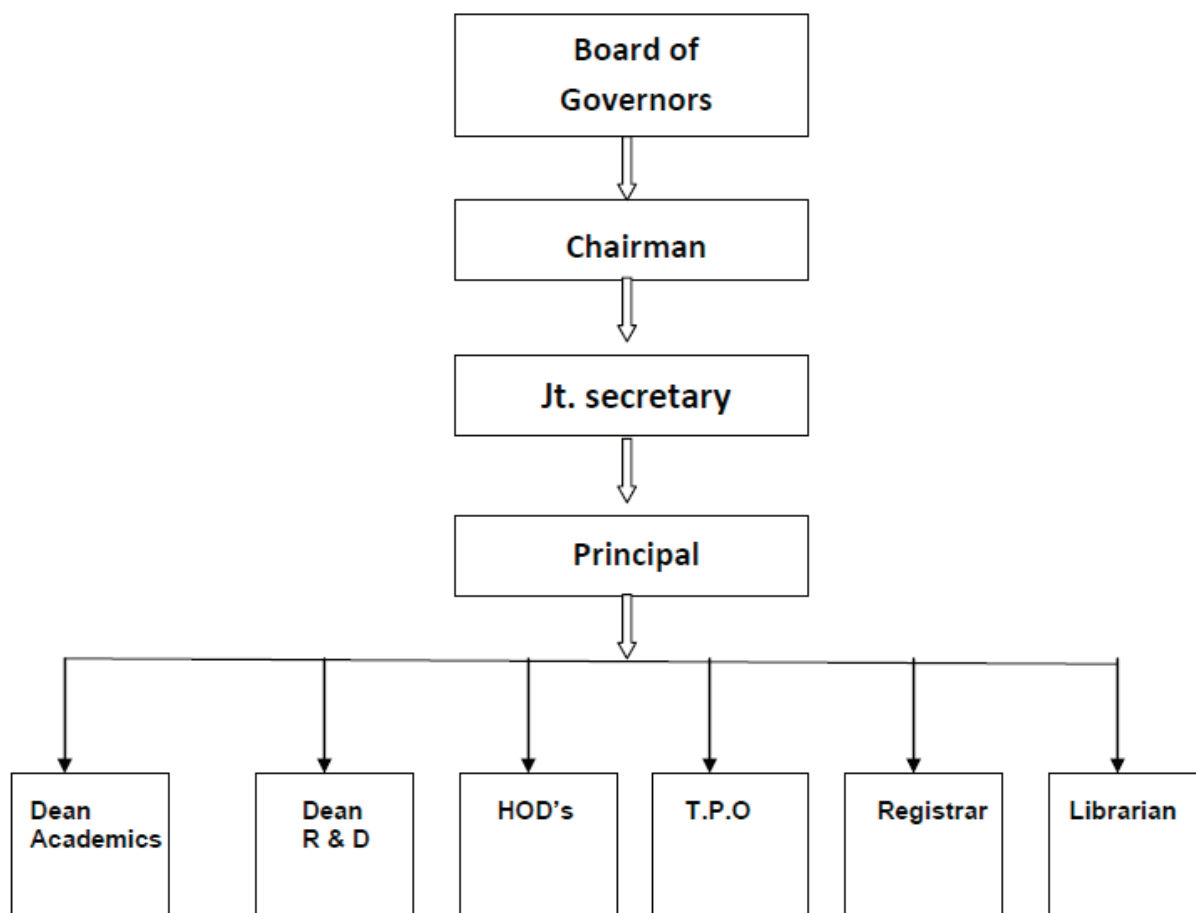
Yes. SETI has a perspective plan of development.

Aspects considered are:

- To strengthen the culture of R & D by the promotion of intellectual property in terms of research output, publications, applied research and transfer of knowledge.
- To introduce various professional programs in collaboration with institutions of repute.
- To introduce industry relevant programmes in association with leading industries through tie-ups.
- To strengthen student placement in reputed companies.

6.2.3 Describe the internal organizational structure and decision making processes.

Internal organizational structure :



Functions of key administrative positions:

Position	Functions
Governing Council	<ul style="list-style-type: none"> • Frame directive principles and policies. • Amend and approve policies from time to time. • Approve budgets.
Principal	<ul style="list-style-type: none"> • Mobilize internal & external resources to strengthen the institute • Plan & provide necessary facilities/equipment for development. • Enhance confidence and devotion in every member of the institute. • Periodic monitoring & evaluation of various processes • Ensure effective purchase procedure. • Define & deploy quality policy and objectives. • Plan & Execute the Annual budget. • Arrange periodic meeting of various bodies and committees. • Accounts and finance. • Employee recruitment.
Dean, Academics	<ul style="list-style-type: none"> • Prepare and execute academic calendar • Monitor the teaching-learning process • Carry out result analysis and suggest corrective measures to Principal • Initiate supplementary teaching measures • Internal and external examinations • Library up gradation • Student training and placement • Proper conduct of co-curricular activities
Dean, Research and Development	<ul style="list-style-type: none"> • Up-scaling and enhancing the research activities within the institute. • Raise awareness of funding opportunities to support faculty research and externally funded & consultancy projects. • Encourage industry institute linkages and collaborative research. • Monitor the effective utilization of funds of externally funding projects. • Facilitate the consultancy work in the institution. • Maintain and update record of research publications.
Training and Placement Officer	<ul style="list-style-type: none"> • Liaison with industry. • Identify and provide for training needs of students. • Arrange need based training to the students. • To bridge the gap amongst the alumni. • Arrange campus interviews. • Proposing annual T & P budget.

Registrar	<ul style="list-style-type: none"> • Liaisoning with AICTE, DTE and SU. • College roster. • Service books. • Faculty personal files. • Recruitment process. • Maintain minutes of meeting. • New programme proposals. • Coordinate day to day office procedures. • AICTE, DTE, SU committee preparation. • Annual college budget. • Shikshan sulka samiti correspondance.
Heads of Department	<ul style="list-style-type: none"> • Plan and execute academic activities of the department. • Maintain discipline and academic culture in the department. • Maintain the department neat and clean. • Pick and promote strengths of students / faculty / staff. • Monitor academic activities of the department. • Prepare & Propose department budget. • Maintain records of departmental activities and achievements. • Liaisoning with Parents, Alumni & Stake holders. • Coordinating with other department.
Librarian	<ul style="list-style-type: none"> • Plan and propose expansion / development. • Maintain library discipline and culture. • Prepare annual budget for library as per norms. • Organize library committee meetings & library records. • Provide various book bank facility to the needy students.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & learning**
- **Research & development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

Teaching & learning

- Class Room Instructions.
- Laboratory Instructions.
- Curriculum Development.
- Development of Learning Resource Material & Laboratory Development.
- Student Assessment & Evaluation including examination work of University.
- Participation in Co-curricular & Extra Curricular Activities.
- Student's guidance & Counseling & helping their ethical, moral, and overall character development.
- Keeping Abreast of new knowledge and skills, help to generate new knowledge and help dissemination of such knowledge through book's publication & students programme etc.
- Counting Education Activities.
- Self development through upgrading qualification, experience and professional activities.

Research & development

- To strengthen the culture of research and development by encouraging faculty members to pursue research by providing them the facilities like individual system, Wi-Fi, digital library, equipments, laboratory and other necessary infrastructure.
- To promote intellectual property in terms of research output, publications, applied research and transfer of knowledge.
- To encourage students to undertake industry sponsored projects.
- To encourage students to produce technical papers and contribute for research activities.
- To encourage faculty members to submit research proposals to various funding agencies.
- MOUs with industries for undertaking training programmes, R&D and consultancy.

Community engagement

- Institute conducts technical community programs like workshops, training programmes etc.
- Institute conducts community programs like blood donation camps, Tree plantation, and interacts with community.
- The students and faculty undertake community awareness programmes.

Human resource management

- Institute has mechanism of notification of regular posts and conduct interviews. The institution recruits faculty members and staff based on the guidelines provided by the affiliated university.
- Adequate number of qualified teaching and supporting staff are appointed through the procedure of open advertisement & interview by expert committee.
- Apart from this whenever deserving candidate approaches the Institute, it conducts interviews and offers suitable position.
- The recruited faculties are deputed to undergo faculty development program to enhance the teaching learning process.

Industry interaction

- To introduce industry relevant programmes in association with leading industries through tie-ups.
- To encourage students to take up industry sponsored projects.
- Involvement of industry experts in academic activities.
- Arranging visits to industries.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The head of the institution ensure that adequate information is available for the top management and the stakeholders to review the academic activities through:

- The review and analysis of feedback received from the students about the academic activities of the institution.
- The review and analysis of feedback received from the parents, industries and alumni.
- The regular meetings with faculty and students for the necessary improvements in various aspects.
- Parents' meeting is conducted every year to interact and receive the feedback.
- The review of suggestions received from the staff and students.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Management has given academic freedom for the Principal and the Heads of the departments in teaching learning process, adding new equipment to conduct more number of experiments.
- Management is also generous in providing funds for attending the conferences/workshops at national and international levels.
- Management has created facilities for research and development.
- Management encourages and supports the staff in pursuing higher education.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Summary of resolutions made during the last meeting on 28/04/2016 by the Governing Body:

Item No.	Resolution	Action Taken
1.	Resolved to confirm the minutes of the last meeting held on 04/09/2015	According to the resolutions made in last meeting, decisions were implemented.
2.	Resolved to take review on LMC meeting held on 27/04/2016	Review on the proceeding of LMC meeting was taken and implemented accordingly.
3.	Resolved to approve the budget for 2016-17	Approved budget for Diploma, UG/PG heads were reviewed and being implemented in view of the actual income/fee receipts.
4.	Resolved to approve Special Concession Scheme for FE/Direct SE degree and FY/Direct SY diploma admission in 2016-17	Special concession scheme in Tuition Fees for CSE, E&TC and AUTO FE/Direct SE degree admission and FY/Direct SY was implemented for the students admitted during 2016-17.
5.	Resolved to approve the HR Policy of the Institute	The HR policy of the Institute – which includes the Vision, Mission, Quality Policy, Environment Policy, BOG, Recruitment Procedure, Service rules & regulations, Performance Appraisal, Leave rules etc. were informed to concerned for implementation.
6	Other items resolved with the prior permission of the Hon'ble Chair - such as NAAC preparation review, Direct SE E&TC division closure, Group insurance & Alumni Association formation etc.	Further follow-up action on these items was initiated at the respective end.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

No.

6.2.9 How does the institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

Institution ensures that grievances/complaints are promptly attended to and resolved effectively through following mechanisms for promoting better stakeholder relationship.

- To redress the genuine grievances of staff and students college has constituted a grievances redressal committee.
- To assist the college administration a number of committees are formed to attend and resolve the grievances/complaints of students and staff.
- Students can meet the Principal regarding their grievances.
- Constitution of anti-ragging committee to prevent ragging.
- Constitution of “Women’s Grievances Redressal Committee” (ICC) to address the related issues.
- The grievances are also understood through the feedback given by the staff, students, industries and parents.
- All the grievances related to academics are discussed with the concerned Heads of the departments and resolved.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

NO.

6.2.11 Does the institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes.

- The students feedback concerned to academic activities is collected.
- Institute conducts exit survey to obtain feedback on institutional performance.
- Head of the institute and HODs ensure the performance of the each faculty, if it's not satisfactory the appropriate measures will be taken on the faculty through counseling.
- Appreciation letters are issued to those who have performed well in teaching.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

Teaching staff:

- The institute provides facility to the faculty for pursuing higher studies.
- The institute deputed the faculty to attend FDP's ,workshops, conferences, seminars etc
- The institute organizes in- house faculty development programs, administrative skills development programs, value based programs, and teaching- learning courses to enhance professionalism
- Encouraging faculty to become members of professional societies.
- The institute motivates the faculty and staff for arranging industrial training programs/ visits
- Faculty makes use of NPTEL video lectures to improve teaching learning process

Non-teaching staff

- Permitted for Higher studies.
- Permitted to attend various training programmes to update their technical knowledge.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Need based training programmes are arranged by the institute for the faculty.
- Faculty members are permitted to attend training programmes conducted at different institutions.
- Institute has published rules and regulations that clearly state the roles and responsibilities of the faculty.
- The newly appointed staff interacts with the senior staff and heads of the department frequently in preparing the lesson plans, teaching notes, teaching methodology and class room control etc.,

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The performance appraisal system consists of self appraisal and appraisal by reviewing concerned higher authority.

Annual self assessment for the performance based appraisal system is adopted as per the UGC notification 30th June 2010 approved by Govt. of Maharashtra state vides GR dated 15th Feb 2011. Hence it is ensured that information on multiple activities is appropriately captured. The information includes-

- | | |
|---------|---|
| Part A: | General information and academic background, courses/STTP/SBP attended during the year |
| Part B: | Academic performance information - Teaching, learning and evaluation related activities, Co-curricular, extension, professional, development related activities. Research, publication and academic contributions |
| Part C: | Other relevant information |

2. Performance appraisal system of the non teaching staff:

Performance appraisal of the non teaching staff and technical supporting staff is done by the concern head of departments and with his recommendations. Principal and management finally appraise the staff.

6.3.4 What is the outcome of the review of the performance appraisal records by the management and major decisions taken? How are they communicated to the appropriate stakeholder?

- Based on the performance appraisal, staff is given annual increments and in some cases additional monetary benefits are provided to the deserving candidates.
- For certain achievements appreciation letters are given.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Welfare schemes available for teaching and non teaching staff:

- E P F – Paid as per P F Act to all the employees
- Faculty is encouraged for P G and Ph.D. program

6.3.6 What are the measures taken by the institution for attracting and retaining eminent faculty?

- Experienced and qualified faculty is appointed as and when it is identified
- The faculty is deputed to undergo advanced trainings
- Financial assistance is provided to attend conferences.

6.4 Financial Management and Resource Mobilization**6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The institution has classified each department as a separate cost centre and all the expenses incurred are debited in the respective cost centre. In the beginning of each Year, every department furnishes capital budget which is reviewed and forwarded by the Principal to the Chairman for sanction. Whenever any deviation occurs in the budget, respective HODs need to address the issue and give justification so that

subsequently the same will be approved by the Chairman through the Trustee. Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized. After the tuition fee collection, the institution forwards the collection to the Trust's account and then disbursement is done to the Institution as per the budgetary and other requirements

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- The institution is having qualified practicing Chartered Accountant as internal and external auditors who audit the accounts on regular basis. After the audit, the report is sent to the management for review. The auditors are appointed by the Trusts office. In addition to this, the institution is having consultants to give opinion on taxation and legal issues.
- Last audit was done on 30th March, 2016 and as on date there is no adverse remark on the accounts of the institution. The Institution is filing income tax return every year within the stipulated time.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The status of our Institution / College is "Self Financed", non-aided private engineering college. The major source of receipts is Fees from the students. The Fee (Tuition Fee and Development Fee is decided by Shikshan Shulka Samiti, Govt. of Maharashtra). Our College is affiliated to Shivaji University, Kolhapur. Other fees are collected as per Directives of Shivaji University, Kolhapur. Also, the entire infrastructure (Land Building and Immovable Property) is provided by the Parent Trust. If there is any deficit, then the Trust i.e Holy-wood Academy Kolhapur, decides on ways to manage it.

Audited income and expenditure statement of academic and administrative activities of the previous four years are available.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

No

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. **Has the institution established an Internal Quality Assurance Cell (IQAC)? If yes, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes. The IQAC is headed by Principal and is coordinated by Prof S. B. Deshmukh

The committee constituted is as follows.

Sr.No.	Name	Department & Designation	IQAC position
1	Dr.G. V.Mulgund	Principal	Chairperson
2	Shri.N.R.Bhosale	Joint Secretary	Management Representative
3	Dr. V. V.Karjini	Principal, KIT	Society Represnetative
4	Prof. S. B. Deshmukh	Assistant Professor	Coordinator, IQAC
5	Prof.V.H.Deokar	Assistant Professor Mechanical Engg.	Member
6	Prof.P.P.Kulkarni	Assistant Professor Electrical Engg.	Member
7	Prof.D.V.Patil	Assistant Professor Mechanical Engg.	Member
8	Prof.D.G.Bhosale	Assistant Professor Automobile Engg.	Member
9	Prof.A.N.Dhende	Assistant Professor Civil Engg.	Member
10	Prof.C.R.Dongarsane	Assistant Professor E & TC Engg.	Member
11	Prof.P.S.Landge	Assistant Professor Computer Engg.	Member
12	Mr.P.P.Pawar Mr.Nikhil Katkar	Alumnus	Member
13	Mr.H.S.Ghodke Mr.B.R.Sharma	Student	Member

It has core team with all heads of departments as its members. The various other committees such as Department Advisory Board (DAB), students council, Anti ragging committee, woman's redressal committee and other committee set for smooth conduct of co curricular and extracurricular activities in the institute are part of IQAC. The IQAC is set as per the requirement of NAAC to achieve the Vision and Mission of the institute.

IQAC activities:

- Semester wise teaching plan and research activities.
- Monitoring of outcome achievement through direct and indirect methods
- Setting of the state of the art laboratories.
- Research and development cell
- Departmental interactions with IQAC and its impact.
- Annual Internal Quality Audit (Academic Audit).
- Training and placement Cell
- Entrepreneurship
- ICT in teaching-learning Process
- Soft skills / employability skills
- Feedback: A system of 360⁰ feedback
- Mentoring system
- Student orientation activities
- Students as important stakeholders in quality initiatives
- Training of teaching faculty

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

Since the inception of IQAC the major decisions implemented through IQAC are:

1. Department program educational objectives (PEOs) and program outcome (POs)
2. Feedback formats from all stakeholders
3. Every semester academic calendar
4. Soft skill development program
5. Training to faculty
6. Administrative and academic rules and regulations
7. Collaboration with industry and industry sponsored projects
8. Review of academic progress and setting targets to each faculty.

- c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by the m.**

Yes, Dr. V.V. Karjini guided and mentored the faculty regarding accreditation preparation.

- d. How do students and alumni contribute to the effective functioning of the IQAC?**

Alumni and students are continuously in touch with IQAC and share the requirements of the students which will be addressed properly.

- e. How does the IQAC communicate and engage staff from different constituents of the institution?**

IQAC Communicates with faculty and students through Heads of the Departments. All the Heads are members of IQAC.

- 6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If yes, give details on its operationalization.**

No.

- 6.5.3 Does the institution provide training to its staff for effective implementation of the quality assurance procedures? If yes, give details enumerating its impact.**

- Training to faculty is organized to accustom the academic and administrative rules and regulations and the quality assurance procedures.
- Rules and regulations in the published form are made available to the faculty in the department and are also available online for the information of other stakeholders.

- 6.5.4 Does the institution undertake academic audit or other external review of the academic provisions? If yes, how are the outcomes used to improve the institutional activities?**

Academic audit is a regular feature in the college for continuous monitoring of the students performance and is being mentioned in the academic calendar. Apart from this, the college regularly monitors the performance through:

- Monthly student's attendance
- Test marks
- Assessment of program outcome after the internal and external examinations
- Mentoring system

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The internal quality assurance mechanisms are framed in accordance with the requirements of national board of accreditation.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- Every fortnight academic progress review by Principal.
- Internal tests (Class test I & Class test II) to evaluate & review the teaching learning process.
- Monthly review of student's attendance & reporting defaulters to parents.
- Review of university examination results.
- Review of progress of project work of BE students by project task force.
- Review of usage of library by both students & faculty.
- Remedial and improvement classes for academically weaker students and monitor their progress.

The assessment tools in order to ensure the attainment of various POs are:

Assessment Tools	Tool type	Periodicity
Assignments	Direct	Six assignments per course (as applicable)
unit Tests and Mid- Test	Direct	Two unit tests per semester
University Examinations	Direct	Once per semester
Rubrics (feedback)	Indirect	Once per semester
Tutorials	Direct	Up to 10 tutorial per course (as applicable)
Faculty Feedback Report	Indirect	Twice per semester
Seminar Report		Once per semester (as applicable)
Project Report	Indirect	Once per academic year
Quiz	Direct	Once per semester
Lab work	Indirect	Once per week
Paper presentations	Indirect	Once per year (as applicable)
Survey report (exit , alumni, parents)	Indirect	Once per academic year for each survey
Participation in Co curricular events	Indirect	Once per semester

6.5. How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Institute and department Mission and Vision are published and disseminated to the stakeholders of the program viz. Governing Council, Academic Advisory Council (AAC) and Department

Advisory Board (DAB), Employers, Faculty, Non-teaching Staff, Parents, Alumni and Students through:

- a) Institute website (<http://www.seti.edu.in>)
- b) Display boards at different locations (Administrative wing, corridors, library, HOD rooms etc.)
- c) Academic booklet provided to students.

The programme educational objectives (PEOs) are published in the department portal of the institute website and also in the academic booklet provided to the student in the beginning of each semester and display boards at various places in the department.

The PEOs are disseminated to the stakeholders by power point presentation during yearly parents meet and alumni Meet.

Program outcomes (POs) are published and disseminated through various medias such as display boards in the corridors, laboratories, HOD cabin, academic booklets given to the students, institute website etc. to the stakeholders of the programme viz employers, parents , alumni, faculty & non-teaching staff and students. POs are also disseminated to the stakeholders through parents meet, alumni meet etc.

CRITERION-VII: INNOVATIONS AND BEST PRACTICES

7.1 ENVIRONMENTAL CONSCIOUSNESS:

The institute is having awareness about the environmental issues and responds to maintain the good surrounding. It tries to create environmental awareness among stakeholders. The institute right to act in specified way to keen on making the campus eco-friendly by adopting certain measures. The institute chooses to take up energy conservation practices, waste management at source and plantation for making the campus clean, green and healthy.

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

The Institute has conducted official Green Audit by external consultants. Since inception importance is given for development of eco-friendly atmosphere in the campus by the management. Thus the College has adopted various measures to maintain the greeneries of the campus and it has been observed that it creates a positive impact on the beholder and helps in developing an environment-friendly attitude in one and all.

7.1.2 What are the initiatives taken by the Institute to make the campus eco-friendly?

Energy Conservation:

The campus is having 11kV HT connection from MSEDCL with indoor transformer of 11kV/440V capacity. The power factor is maintained approximately unity by APFC (automatic power factor correction) unit. The campus has separate power house with 125kVA diesel gen sets and all other controlling and monitoring equipments. Each block of institute has individual power control panels and energy meters installations, which help in separate and effective monitoring and control of energy consumption

- Each block is checked if unnecessarily fan and lights are on, on daily basis.
- Roof solar energy panels are planned to be installed in the campus.
- Desktops have been bought with LCD screen to save energy.
- Printing is minimized and is always taken on both sides of the paper. Reuse of papers for one side earlier printed papers is followed as per need of institute.
- The UPS batteries are maintained properly to reduce charging

frequency of batteries. Also UPS system is shut down during night hours and on holidays which conserves energy.

- Electrical energy conserving techniques are used in the Institute.
- The institute instills a spirit of energy saving in all stakeholders, particularly among the students.

Use of renewable energy at SETI

SETI initiated to install solar panels, solar wind hybrid power systems in future on the roof of and the Institute buildings.

Water Harvesting

Department of Civil Engineering has initiated projects to handle the Rain Water Harvesting from roof and on surface and the other on wastewater management. The planning and designing work is in progress.

a) Environmental Awareness Campaigns:

Every year the Institute organizes and celebrates the following programs through its Environmental Engineering Laboratory.

- i) **World Water Day:** The people celebrate World water day every year on 22 March all across the world. To achieve the goal of creating awareness regarding water conservation, on the theme of water management, water pollution and water literacy is carried. Informative guest lectures are conducted by inviting experts from the local areas.
- ii) **Ozone Day:** The Institute on 16 September celebrates the international ozone day, as per the declaration of United Nations General Assembly for preservation of the ozone layer. The Institute conducts specific activities in accordance with the objectives and goals of ozone day, which involves pledge by students to become a responsible citizen.
- iii) **Earth Hour Day:**
Earth hour is a worldwide grass root movement uniting people to protect the planet and is organized by WWF. It is celebrated on every 29th March between 8:30-9:30 PM. The Institute follows this one-hour shutdown of light strictly in the whole campus. The Institute encourages their students to celebrate the earth hour day.

iv) World Environment Day:

Institute celebrates every year 5th June as Environmental Day in association with ISHRAE chapter.

b) Rain Water Harvesting

The campus of the Institute is planned to built up area to harvest the rainwater. Rainwater harvesting is being done in step by step manner. Presently the roof top of institute building is in the plan to be the catchment area to harvest the rain. The present system is the collection of rainwater from the top of institute and discharging it in the nearby bore wells to increase the ground water level.

c) Check dam construction: NA

d) Efforts for Carbon neutrality

Very fortunately the institute campus is known for the one of the hill station in western Maharashtra. The institute has a large green coverage surrounding to the campus acts as a natural carbon sink. And number of lavish lawns developed and maintained. The automobile engineering department has initiated to check the emission; especially from the diesel engine set. The emission lab and lab in charge is responsible for this activity. The dead leaves and waste paper are not burnt in the campus and instead they are put into compost pits. The campus is totally plastic free. The dustbins are kept at every possible place to collect the plastic and other garbage.

Carbon Sequestration

Carbon footprint is a measure of the impact of our activities on the environment, and in particular climate change. It relates to the amount of greenhouse gases produced in day-to-day lives through burning fossil fuels for electricity, heating and transportation, etc. It is necessary that we take remedial actions to reduce the primary and secondary footprints which due to CO₂ emission lead to increase in temperature of the planet.

Institute faculty and students also creates awareness by selecting the topics for the Seminar in their curriculum such as, Carbon foot prints, ozone depletion, pollution norms, carbon neutrality, carbon credits etc.

We, SETI Panhala having Total Area=12.31 acres, among which there is 24% green cover is present. These are number of sources are available but one of the best is tree plantation, which act as a sink for reduction in CO₂ level in the atmosphere.

Tree plantation- The SETI has enriched with the various types of trees. The different types of trees are planted within the premises of the Institute. The major areas where the tree plantation covered is SETI girls' hostel, boys' hostel, and periphery of the Institute play ground.

Society founder and Chairman of institute, Shri P. R. Bhosale is also environment conscious. He celebrates his birthday on 13th March in a unique way by road side tree plantation to the village road from Waghbil to institute.

The number of students using bikes, cars for daily transportation, from the different location. Therefore to reduce the CO₂ level in the atmosphere, by taking this into consideration, the various types of plants have been planted so that they can obstruct the movement of contaminant or pollutants coming to the Institute as a receptor. Most of the student Associations of the institute conducts programs on tree plantation. Also staff and students are motivated to use public transport facility provided by the institute having 14 number of buses.



All the visitors visiting to the institute and at every college function and the guests are honored by offering saplings instead of banquets.

Campus cleaning Day is observed on 3rd of March every year since 2015. All the faculty and students participate in this event and keeps the campus clean. The institute is also having a 'Nature club' in which a faculty coordinator along with student members organizes different activities such as, cleaning of historical monument 'Dutondi Buruj' of Panhala fort, track to 'Masai platue',

e) Plantations

- SETI is known for the 'Green Sanjeevan , Clean Sanjeevan', by considering this aim SETI is always take care of environmental consciousness institute decided to increase the number of plants in the campus.
- Total 15 helpers, including 02 gardeners and 01 supervisor.
- Numbers of tree plantation were done by a team of teaching and non-teaching staff, NSS cell and responsible helper, supervisor and gardener for the plantation.
- Garden and grass lawns are developed and maintained by using the exit water from the sewage of the campus and number of sprinklers.
- SETI plan to take initiation to cover the green belt across the campus.
- Institute has planted 1366 trees in and around campus, bifurcation of which is as follows.

List of Medicinal Plants present in the Institute

Sr.No.	Roadside Tree/Plants	No. of Plants
1	Thispesia Populnea	17
2	Cupressus Godiona	15
3	Date Palm	8
4	Neolamarckia Cadamba	20
5	Spathodia Companulata	6
6	Foxtail Palm	25
7	Bahunia Blakina	3
8	Fishtail Palm	2
9	Bottel Brush	7
10	Tabobia Avellanedae	8
11	Casia Alata	2
	Decorative Plants	
12	Bamboo Budha	10
13	Shampion Palm	9
14	Phonix Palm	12
15	Bismarkia Palm	2
16	Triangular Palm	2

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17	Cycus	4
18	Latina Palm	2
19	Lolino	7
20	Ficus Blakina	10
21	Ficus Starlight	3
22	Calendra Tree	1
23	Bahunia Gulphemia	4
24	Plumera Alba	4
	Group Plantation (Decorative & Flowering Plants)	
25	Golden Duranta	200
26	Verigated Duranta	100
27	Clerodendrom Red	150
28	Tagar White Verigated	75
29	Stropanthus	10
30	Combratum	20
31	Gulphemia	10
32	Miniya Erecta	50
33	Plumbago	25
34	Flowering Euphorbia	25
35	Yellow Daizy	200
36	Penisitum Grass	100
37	Allamenda Yellow Dwarf	30
38	Allamenda Purple	30
39	Shaflora	50
40	Heliconia	25
41	Verigated Bamboo Grass	5
42	Song of India	10
43	Ticoma Orange	10
44	Acalypha Nuda	50
45	Musanda Red	5
46	Nicodiana	3
Total		1366



f) **Hazardous waste management:** NA

g) **e-waste management:**

The different types of e-waste generated in the Institute like damaged C.D.s, C.P.U.s, Hard Disk Drives, Monitors, Keyboards, Cables, Cartridges, etc. are collected together and handed over to vendors.

7.2 INNOVATIONS:

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the Institute.

- **Paperless Office:** Conscious efforts to reduce papers such as Internet facilities and with the group Email services and biometric attendance system, leave cards, paperless feedback, etc. which helps to maintain the attendance of the staff and in turn it results in reduction in paper usage.
- **Research Activities:** The prominence given to faculty members and students on research activities and publication of research in conference, seminar and journal.
- **Encouragement for higher studies:** Faculty members encourage to pursue higher studies during their service tenure. Study leave is also granted to the faculty members who are registered for Ph.D.
- **Faculty Development Program:** Soft skill and technical programs help the student and faculty to develop their communication skills, body language and the ability to converse with others. The staff members develop their knowledge and skills by attending these types of programs. Through these programs they are able to teach current trends to the student and motivate them to undertake the projects for community in social development.

- **Performance Monitoring:** The feedback system and percentage of passes is conducted on regular basis for the evaluation and regular monitoring of performance of teachers.
- **Teacher Guardian scheme (TGS):** For every 15-20 students, one teacher is allocated as a guardian mentor. Special attention is required to be paid towards weak students in a class to improve their result. The college has introduced a structured system whereby weak students are identified and paired with an academically bright student who helps him with his difficulties, assignments etc. Also good students of final year conduct doubt clearing interactive sessions. In the TGS mentor used to do mentoring of allotted mentees and if required the students are referred to professional counselor.
- **Course Plan:** Faculty members prepared a course plan with review questions on each unit and 100 marks model question paper based on syllabus provided by the university. This course plan is made available to students in the central library and institute moodle. Students are allowed to take copies of the same.
- **Remedial Classes:** These are conducted for selected difficult subjects for the students of I, II and III years. These classes helped them in improving the passing percentage and catering to weak students.
- **ICT:** It is employed in teaching-learning process.
- **e-learning:** NPTEL video lectures and content management system are used regularly by the teachers and it is distributed to the student.
- **MoU Signed with industries:** MoU are signed with many industries and Institutes. Through these MoU's the Industry representatives deliver lectures and gives seminars to the students and the staff to develop them based on the needs of the industry.
- **Entrepreneurship development Cell:** Workshops and seminars are conducted to inculcate Entrepreneurship and leadership skills among students.

7.3 BEST PRACTICES:**7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the Institute.****Best Practice No.1:****Title of the Practice:** Students Feedback System**Goal:**

- To receive a feedback from students about teachers, facilities and resources, infrastructure provided to them.
- To bridge the communication gap between students and teachers.
- To provide an opportunity to teachers to enhance their teaching skills.
- To receive suggestions from students for strengthening the teaching- learning process and overall academic environment.

The Context:

Teachers do prepare for the classes they conduct throughout the SETI Panhala. Technical training, soft skill training and project virtual classroom teaching semester. But sometimes they might not give a thought on how to convey a topic to students. In that case, even though the teacher is knowledgeable, competent and sincere, his efforts for communicating a topic to students go in vain. Unless such matters are brought to the notice of the concerned teacher, he/she cannot bring necessary changes into his/her teaching style. That is why the 'Students' Feedback System' came into existence in our Institute.

Secondly, Institute is having Students Redressal and Grievance Cell which gives platform to the students for continuously evaluating the facilities and resources provided by the Institute. In fact, they are the best critics as they are the end users. This includes the library facility, transport, Internet, Wi-Fi even drinking water and cleanliness of the campus. To utilize these facilities efficiently, suggestions from students are very useful. We also ask students to give suggestions in this regard while conducting the feedback.

The Practice: Feedback is conducted twice in an academic year.

There is a central feedback coordinator and also a coordinator at department level. The central coordinator is responsible for sending timely notices to Heads of the Departments and coordinators regarding the feedback activity and also for generating reports and sending them to the Principal and the Heads of the Departments. The department level coordinators look after smooth conduction of the activity.

This encourages students to give free and fair feedback. And the identity of the student is not disclosed. Students are presented with a questionnaire which they answer by selecting appropriate options. The questionnaire mainly concentrates on teaching-learning aspect of the feedback. The questionnaire is followed by a comment section where students can give their suggestions.

Immediately after the feedback, HOD can check the feedback reports pertaining to his/her department. And the Principal can check feedback reports of all departments. The Principal discusses the reports in his meeting with the Heads of the Departments rigorously. In the meeting they discuss based on the feedback and suggestions received from the students. Heads of the Departments, in turn, communicate the same to respective faculty members.

Based on the feedback report proactive actions are taken. A letter of appreciation is given to the faculty members having best feedback and those who are having average are given appropriate guidance for improvement.

Evidence of Success:

A teacher receives the feedback for a subject based on a particular questionnaire. For each question a teacher is graded on specified scale. After receiving the feedback, a teacher comes to know about the areas he/she is lagging in. He / She then make deliberate efforts for improving in those areas.

Problems Encountered and Resources Required:

Students can give suggestions only during the 3-4 days of the feedback activity. It should be possible for students to give suggestions any time throughout the semester.

- For the Alumni feedback, one link is formed and that link shared with the Alumni member through the Email, Social sites, etc. to get the feedback.

Best Practice No.2:

Title of the Practice: TG Scheme (Teacher-Guardian scheme)

Goal : The Goal of the practice followed by the Institute are:

- Stronger bond between teacher-student relationship
- Counseling students and interaction with them for problem solving.
- Concentrate to train students for improvement in the global economy and quality.
- Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc.

3. The Context:

The contextual features or challenging issues that have addressed in designing and implementing this practice are described below. Since the majority of the students are not matured enough to take their own decision in the vast changing scenario of technology and fast life, the TGS of the institute guides and counsel the students in academic, non-academic matters including personal domain to achieve their best in future. Particularly the practice aims at addressing deficiencies in attitudes, habits and knowledge of the students regarding study and learning.

Many other supporting methods have been introduced for better coordination of lectures, tutorials and practical classes. Advanced tutorials and assignments are arranged by the counselors in association with the respective subject teachers and experts focusing problem-based learning of modern technology. Towards the end of semester, students work collaboratively on assignments in small groups in their practical classes.

4. The Practice:

The Practice and its implementation that may be unique in the higher education, and constraints or limitations of them are described here. Guardian form and minutes of meeting has been introduced as a record-keeping tool for the students under the counselor for monitoring and analysis of the practice on regular basis. Each guardian fills in the guardian form as per the given guidelines. A batch of 15/20 (or as per the practical batch strength) students is usually placed under a Guardian. Guardian has direct communication with the Class Representatives (CR). The guardian meet the students associated with

them once in a fortnight, The Parents/Guardians of poor attendee/performance students are called to meet the guardian and corrective and preventive actions are implemented for further improvement.

The guardian takes initiative to arrange remedial and tutorial classes for slow learners. Each guardian maintains the whole student database, which is examined by the HOD and others concerned when necessary.

Guardians meet with each group during the semester to discuss academic and non- academic issues. The issues include:

- Good and bad study habits.
- Discussion about the carrier opportunities and market requirement.
- Study planning and techniques of preparation for exam.
- How to make the most of lectures and practical classes useful.
- Distractions if any and how to cope with them.
- How to analyze solutions for the problem.
- Health issues, personal problems etc.

The students also sharing their experiences and ideas, with a view to fostering networking and mutual support to their colleagues in the meetings with the guardian. Other than the meeting time the students are comes to meet the guardian with their personal problems and critical issues.

Evidence of Success

The success is achieved as per the aim of this practice and the result of review given below:

- The attendance of the students is get improved.
- The direct communication between guardian and students have improved the bonding between teacher –students.
- Overall improvement in the academic results.
- The percentage of participation in extra-curricular activities has been increased.
- Students become more disciplined compared to the past.
- During the starting of this institute, the awareness is made in between the guardians to make the campus ragging free.

Problems Encountered and Resources Required:

There are some identified problems encountered and resources provided to implement the practice. These are:

- The numbers of students are ashamed to share their problems; they are not going to talk about the issues and about the academic.
- Apart from regular theory and practical classes, allocating sufficient time for one to one student interaction through TGS, sometimes becomes a constraint for the faculty members.
- Financial budgetary requirements has been planned to organize workshops by hiring external experts in the subject of counselling, organizational behavior and stress management on regular basis.

Contact Details

Name of the Principal	:	Dr. G. V. Mulgund
Name of the Institution	:	Sanjeevan Engineering & Technology Institute
City	:	Kolhapur - 416201
Accredited Status	:	Not Applied
Work Phone	:	0231-2686600
Website	:	www.seti.edu.in
Mobile	:	:+ 919146999500
Fax	:	0231-2686629
E-mail	:	principal@seti.edu.in

3. EVALUATIVE REPORT OF THE DEPARTMENTS

AUTOMOBILE ENGINEERING DEPARTMENT
--

1. Name of the department : - Automobile Engineering
2. Year of Establishment : - 2010-11
3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : - B. E. Automobile Engineering/UG
4. Names of Interdisciplinary courses and the departments/units involved:

Course	Program	Name of Faculty
Engg. Mathematics –I Engg. Mathematics –II Engg. Mathematics -III	General Engineering	Miss. Nilo far G. Khan Miss. Nasarin G. Khan Miss. Nasarin G. Khan
Basic Civil Engineering	Civil Engineering	Mr. Dhende A. P.
Basic Electrical Engineering Electrical Technology	Electrical Engineering	Mr. Kulkarni P. P. Mr. Shelar S Mr. Shelar S
Basic Mechanical Engineering	Mechanical Engineering	Mr. Deshmukh S. B. Mr. Kumbhar S. S.

5. Annual/ semester/choice based credit system (program wise): - Semester
6. Participation of the department in the courses offered by other departments: - Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: - Nil
8. Details of courses/programs discontinued (if any) with reasons: - Nil
9. Number of teaching posts

Cadre	Sanctioned by Univ	Filled
Professors	1	Nil
Associate Professors	2	Nil
Asst. Professors	9	11

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.): - Nil
11. List of senior visiting faculty: - Nil
12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty

Name Faculty	Percentage of lectures & Practical conducted
Mr. P. A. Pandav	10
Mr. M. A. Patil	10
Mr. Y. A. Ingale	10

13. Student -Teacher Ratio (program wise) : -14:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

	sanctioned	filled
academic support staff (technical)	3	3
administrative staff	1	Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mr. S.L. Ghodake	M. E. (Mech.)	Asst. Prof.	Refrigeration & A/C	24
Mr. S. P. Jadhav	M. E. (Mech.)	Asst. Prof.	Design	11
Mr. S.S. Kumbhar	M. E. (Mech.)	Asst. Prof.	Design	1
Mr. M.M. Bepari	M. Tech (Prod.)	Asst. Prof.	Production Engg.	3
Mr. S. K. Pisal	M. E. CAD/CAM/CAE	Asst. Prof.	CAD/CAM/CAE	5
Mr. M.A. Patil	M. E. CAD/CAM/CAE	Asst. Prof.	CAD/CAM/CAE	4
Mr. Y.A. Ingale	M. E. CAD/CAM/CAE	Asst. Prof.	CAD/CAM/CAE	3
Mr. D.G. Bhosale	M. Tech (Auto)	Asst. Prof.	Automobile Engg.	4
Mr. A.P. Bhosale	M. Tech (Auto)	Asst. Prof.	Automobile Engg.	3
Mr. D.S. Virkar	M. Tech (Auto)	Asst. Prof.	Automobile Engg.	2
Mr.R.A.Thorat	M.Tech	Asst. Prof		

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : -Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil
18. Research Centre /facility recognized by the University:- Nil
19. Publications:

Journal Paper	Conference Paper
Title	Title
1) Experimental Investigation on Engine Performance & Emission of a 4-Cylinder Diesel Engine using Hot & Cooled Exhaust Gas Recirculation (International Journal)	1) Finite Element Analysis of Gear Box using ANSYS
2) Testing & Performance Evaluation of Butterfly Valve (International Journal)	2) Recent Practices in IC Engine using Hydrogen as a Energy Source
3) Review & Tire Performance Parameter & Its Testing Setup (International Journal Of Engineering & Science Reserch)	3) Recent Advances In Engineering, Technology & Management (International)
4) Parametric Study & Experimental Evaluation Of Vehicle Tire Performance (International Journal Of Mechanical Engineering & Robotics Reserch)	4) The Lean Ahead - For Continuous Improvements
5) FEA Of The Tie Rod Of Steering System Of a Car (International Journal Of Application or Enovation In Engineering & Management)	

20. Areas of consultancy and income generated -Nil
21. Faculty as members in
- a) National committees b) International Committees c) Editorial Boards.... - Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/program – 10%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies – 90%

23. Awards / Recognitions received by faculty and students - Nil

24. List of eminent academicians and scientists / visitors to the department - Nil

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

- i) Advances in Refrigeration and Air Conditioning (FDP)
- ii) Workshop on SE Part – I syllabus
- iii) Workshop on TE Part – I syllabus

b) International - Nil

26. Student profile program/course wise:

Name of the program me (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
14-15					
FE	22	22	21	1	
SE	64	64	64	0	46.87
TE	46	46	44	2	78.26
BE	48	48	48	0	89.28
15-16					
FE	15	15	14	1	Result Awaited
SE	35	35	35	0	
TE	67	67	67	0	
BE	50	50	48	2	

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Automobile Engineering	100	--	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: - Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	10
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	6
• Other than campus recruitment	15
Entrepreneurship/Self-employment	2

30. Details of Infrastructural facilities

a) Library – Yes

Name of Book	Name of Author	Name of Publisher	Nos
Automobile Engineering Vol. 1	Dr. Kirpal Singh	Standard Publishers Distributors	2
Strength of Materials S.I. Units Revised Fourth Edition	Dr. R.K. Bansal	Laxmi Publications (P) LTD	2
Fluid Mechanics & Hydraulic Machines S.I. Units	Dr. R.K. Bansal	Laxmi Publications (P) LTD	2
Heat & Mass Transfer SI Units	Er. R.K. Rajput	S. Chand Technical	3
Design of Machine Elements, 3 Ed	V B Bhandari	Mc Graw Hill Education	11
Statistical Quality Control	M. Mahajan	Dhanpat Rai & Co.	1
Refrigeration & Air Conditioning	P.L. Ballaney	Khanna Publishers Delhi	1
Industrial Fluid Power	Sameer V. Shaikh Iliyas R. Khan	R.K. Publications	1
Internal Combustion Engine	M.L. Mathur R.P. Sharma	Dhanpat Rai Publications	3
Theory Of Machines 3 Ed	S.S. Rattan	Mc Graw Hill Education	1
Alternative Fuels	S.S. Thipse	Jaico Publishing House	1
Theory of Machines 4 th Ed	V.P. Singh	Dhanpat Rai & Co.	1
Theory of Machines 4th Edition	S.S. Rattan	Mc Graw Hill Education	1
Automotive Electrical Equipment	P.L. Kohli	Mc Graw Hill Education	2
Practical Finite Element Analysis First Edition	N.S. Gokhale S.S. Deshpande S.V. Bedekar A.N. Thite	Finite To Infinite	
Hydraulics & Fluid Mechanics Including Hydraulics Machinrs	Dr. P.N. Modi Dr. S.M. Seth	Standard Book House	1
The Finite Element Method In Engineering Fifth Edition	S. S. Rao	Butterworth-Heinemann	1
Material Science & Metallurgy For Engineers	V.D. Kodgire S.V. Kodgire	Everest Publishing House	1
Thermodynamics - An Engineering Approach (SI Units)	Y.A. Cengel M.A. Boles	Mc Graw Hill Education	1

- b) Internet facilities for Staff & Students - Yes
- c) Class rooms with ICT facility – Yes
- d) Laboratories – Yes
 - i. Theory of Machines
 - ii. Automotive Transmission
 - iii. Automotive Chassis
 - iv. Vehicle Body Engineering
 - v. Vehicle Maintenance
 - vi. Internal Combustion Engines
 - vii. Alternative Fuels and Emission
 - viii. CAD
 - ix. Automotive Electricals & Electronics
 - x. Instrumentation/Measurement
- 31. Number of students receiving financial assistance from college, university, Government or other agencies – Yes 60%
- 32. Details on student enrichment programs (special lectures/ workshops / Seminar) with external experts
- 33. Teaching methods adopted to improve student learning – Chalk & Board, audio visual aids, demonstration on models, charts. NPTEL videos, Industrial visits, etc.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities - Nil
- 35. SWOC analysis of the department and Future plans

STRENGTHS	WEAKNESSES
<ol style="list-style-type: none"> 1. Good and State of Art Infrastructure 2. Good brand name 3. Outcome based teaching and learning process with continuous evaluation of students. 4. Qualified and experienced and dedicated faculty 5. Well equipped laboratories with special equipments in some labs. 6. Promoting staff for higher education 7. Co-operative managements 8. Student chapters of professional bodies like SAE, ISHRAE. 9. Excellent utilization of audio visual aids 10. Good faculty retention. 11. Eco-friendly environment. 	<ol style="list-style-type: none"> 1. Internet facilities are not up the mark 2. Less numbers of seminar/workshop/ FDP and publications in national and international Journals/conferences 3. Less EDC activities. 5. The socio-economic background of many of the students (some of them are first and second generation learners) admitted in the College is responsible for poor language Competence (both in their mother tongue as well as English). This leads to an unsatisfactory level of comprehension and communication, particularly in the first two semesters. 6. Less number of industries nearby so industrial exposure to students
OPPORTUNITIES	CHALLENGES
<ol style="list-style-type: none"> 1. Good student staff coordination. 2. The level of academic excellence which the department has acquired makes it possible for our students to get entry into institutes of global repute. The department has to devise mechanisms for translating this potential into a reality. 	<ol style="list-style-type: none"> 1. Fetching students with strong academic background. 2. Too many similar institutes in nearby area. 3. To motivate students for improvement in soft skills 4. To motive the students to appear for the examinations like, GATE , GRE, TOEFEL 5. Fetching reputed industries for the campus.

Future Plans –

1. Starting the PG program
2. Promoting more faculties for Ph D
3. Fetching research grants from various funding agencies.
4. Tie up with Professional bodies and Research Institutions, like ARAI, CIRT, ISHRAE SAE

CIVIL ENGINEERING DEPARTMENT

1. Name of the Department : Civil Engineering
2. Year of Establishment : 2009
3. Names of Programmes / Courses offered : **UG**
(UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.) ---
4. Names of Interdisciplinary courses and the departments/ units involved : Nil
5. Annual/ semester/choice based credit system (programme wise) : Semester System
6. Participation of the department in the courses offered by other departments : **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/ programmes discontinued (if any) with reasons : **Nil**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	01	00
Associate Professors	03	00
Asst. Professors	11	13

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Chavan S. S.	M. E. (Civil-Structures)	Assistant Professor & H.O.D.	Structures	10	0
Mr. Salokhe E. P.	M. E. (Civil-C.M.)	Assistant Professor	Construction Management	22	0
Mr. Chavan S. S.	M. E. (Civil-Structures)	Assistant Professor	Structures	10	0
Mr. Chavan S. S.	M. E. (Civil-Structures)	Assistant Professor	Structures	10	0
Mr. Chavan S. S.	M. E. (Civil-Structures)	Assistant Professor	Structures	10	0
Ms.. Momin A. M.	M. E. (Civil-Structures)	Assistant Professor	Structures	05	0
Mr. Mevekari J. S.	M. E. (Civil-Structures)	Assistant Professor	Structures	04	0
Mr . Gavade J. J.	M. E. (Civil-C.M.)	Assistant Professor	Construction Management	03	0

Mr .Dhende A. N.	M. Tech. Structures	Assistant Professor	Structures	04	0
Mr. Agnihotri S. A.	M. Tech. (SMFE)	Assistant Professor	Geotechnical Engineering	03	0
Mr. Momin Illiyas M. H.	M. E. (Civil-C.M.)	Assistant Professor	Construction Management	04	0
Mr . Bhosale H. D.	M.Sc. Geology	Assistant Professor	Geology	09	0

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme wise) : 1:18.66

15. Number of academic support staff (technical) and administrative staff; sanctioned and filled

:Technical Staff: 02, Administrative Staff : 00
(Sanction Staff : 00)

15. Qualifications of teaching faculty : 12
with DSc/ D.Litt/ Ph.D/ MPhil / PG.

16. Number of faculty with ongoing projects from : NIL
a) National
b) International funding agencies and grants received

17. Departmental projects funded : NIL
by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

18. Research Centre /facility : NIL
recognized by the University

19. Publications:

*** a) Publication per faculty**

	IJ	NJ	IC	NC
Mr. Salokhe E. P.	01	--	01	--
Mr. Chavan S. S.	--	--	--	--
Mr. Khebudkar A. K.	--	--	--	--
Mr. Thoke A. C.	--	--	--	--
Mr. Shinde S. M.	--	--	--	01
Mr . Momin A. M.	--	--	--	--
Mr. Mevekari J. S.	--	--	--	--
Mr. Gavade J. J.	01	--	--	--
Mr. Dhende A. N.	--	--	--	--
Mr . Agnihotri S. A.	--	--	--	01
Mr. Momin Illiyas M. H.	--	--	--	01
Mr. Bhosale H. D.	01	--	02	02

- * Number of papers published in peer reviewed journals (national / international) by faculty and students : **NIL**
- * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**
- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of publishers : **NIL**
- * Citation Index : **NIL**
- * SNIP : **NIL**
- * SJR : **NIL**
- * Impact factor : **NIL**
- * h- index : **NIL**

20. Areas of consultancy and income generated:

Consultancy Projects						
S.No.	Financial Year	Name of faculty (Chief Consultant)	Client Organization	Title of Consultancy of project	Amount received (in Rupees)	Amount received (in words)
1	2015-16	1 Mr. E. P. Salokhe	Jr. Engg., (Construction) panchayat samiti panhala	Steel Testing for Building Construction	2400.00	Two thousand and four hundred only
		2 Mr. E. P. Salokhe	ACE Infrastructure and Co. kolhapur	Concrete cores for BIO-plant construction shirala	800.00	Four Hundred only
2	2014-15	1 Mr. E. P. Salokhe	Bhagyashri Enterprises kodoli	Cube Testing for Building Construction	450.00	Four Hundred and fifty only
		2. Mr. E. P. Salokhe	Chiefs officer Panhala hill station municipal council	Third Party Audit	15000.00	Fifteen thousand only
3	2013-14	1. Mr. E. P. Salokhe	Dy. Engineer, Panchayat Samiti, Panhala	Steel Testing for Gymnasium Hall	3200.00	Three thousand and two hundred only
		2 Mr. E. P. Salokhe	Sub-Divisional Engineer Urmodi canal satara (SMS Infra structure Nagpur)	Cement Testing for Tunnel construction	5600.00	Five thousand and six hundred only
		3. Mr. E. P. Salokhe	Sub-Divisional Engineer Urmodi canal satara (SMS Infra structure Nagpur)	Cement Testing for Tunnel construction	14000.00	Fourteen thousand only

21. Faculty as members in

a) National committees

b) International

c) Committees

d) Editorial Boards.... : **NIL**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme : **NIL**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : **NIL**

23. Awards / Recognitions received by faculty : **NIL**
Awards / Recognitions received by students:

Student achievement

Sr. No.	Name of student	Class	Prize
1.	Toraskar Pratik	B.E.	BEST OUTGOING STUDENT
2.	Bhosale Sangram & Kundalkar Pooja Pradnya Chougule & Pradnya Chavan	T. E.	Lead College activity of group discussion achieved 3 rd Prize

24. List of eminent academicians and scientists / visitors to the department

1) Shri Sameer Alone, CEO, Infini Institute of Programme, Pune

2) Er. Sachin Paranjape, Chairman, CREDAI, Kolhapur

3) Dr. A. M. Zhende.

4) Dr. S.V. Chikurde

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

Name of the Seminar/ Workshop/ Conference	Any other contributory Inst./ Industry	Date/ Duration	Resource Persons	Target Audience
Academic Year 2015-16				
GEOINFORMATION AND GEODESIGN	ISTE APPROVED	01/01/2016 to 06/02/2016 (6days)	Dr. A. M. Zhende. Prof P. K. Deshpande Prof. Chikurde S.V.	B. E. Students, Faculty From other Colleges
Academic Year 2014-15 - Nil				
Academic Year 2013-14 Nil				

b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2016-17	72	72	67	5	
2015-16	45	45	42	3	
2014-15	38	38	31	7	
2013-14	41	41	37	4	
2012-13	38	38	35	3	

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
S. E. (Civil)	100%	Nil	Nil
T. E. (Civil)	100%	Nil	Nil
B.E.(Civil)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

GATE: 04

29. Student progression

Student progression	Against % enrolled
UG to PG	2013 – 34.21 2014 – 21.95 2015 – 13.15 2016 – 13.33
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

a) Library

i) Central Library

Total Library area	
1. Stack room	577 Sq. M.
2. Reading hall	150 Sq. M.
3. Digital Library	40 PC
4. Periodical section	
5. Acquisition section	
6. Xerox	10 Sq. M.
7. Other	

ii) Civil departmental library

1. Departmental library	
--------------------------------	--

iii) Civil Departmental library books detail:

Sr. no.	Year	No. of titles	No. of Volume
1	2015-16	40	167
2	2014-15	77	
3.	2013-14	50	

Central Library:

Total No. of Titles	254
Total No. of Volumes	2097
Print Journals	1. Indian Concrete Journal 2. Construction Techniques 3. Construction World 4. Civil Engineering & Construction Review 5. Journal of Structure Engineering 6. International Journal of Civil Engineering 7. International Journal of Civil & Building Engineering 8. International Journal of Civil Engineering Research 9. Indian Journal of Materials in Civil Engineering
E-Journals	Elsvier

b) Internet facilities for Staff & Students

b) Internet facilities for Staff and Students

Civil department

Area	In Sq. m.
1. Numerical Methods Laboratory	
2. One PC with Internet Connection to Each Faculty	--

e) Class rooms with ICT facility

f) Civil class room details

Sr. No.	Description (CR/Lab/Tut/Seminar Hall)	Room ID	Carpet Area (In Sq. Mt.)
1	Class Room 101	A 106	
2	Class Room 102	A 107	
3	Class Room	A 109	
4	Seminar Hall	A 102	

g) Laboratories:

Civil department laboratory details

1	Applied Mechanics Laboratory	A 103	
2	Basic Civil Engineering Laboratory	A 005	
3	Surveying Laboratory		
4	Engineering Geology Laboratory	A 004	
5	Numerical Methods Laboratory	A 006	
7	Geotechnical Engineering Laboratory	A 007	
8	Material Testing Laboratory	A 003	
9	Concrete Technology Laboratory	A008	
10	Fluid Mechanics Laboratory	Sharing With Dept. of Mechanical Engineering	
11	Transportation Engineering Laboratory	A003	
12	Environmental Engineering Laboratory	A001	

31. Number of students receiving financial assistance from college, university, Government or other agencies

Total number of students from F.E. to B.E. getting scholarship from university in year 2014-2015

Sr. No.	Category	No of Student Scholarship
01	VNJT	07
02	OBC	15
03	SC	05
04	SBC	04
Total		31

year 2015-2016

Sr. No.	Category	No of Student Scholarship
01	VNJT	10
02	OBC	16
03	SC	08
04	SBC	04
Total		38

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Name of the Seminar/ Workshop/ Conference	Any other contributory Inst./ Industry	Date/ Duration	Resource Persons	Target Audience
Academic Year (2015-16)				
Geo Information and Geo Design		1/2/2016 to 6/2/2016	Dr. P.K.Deshpande	48

33. Teaching methods adopted to improve student learning
1. Database in library
 2. E – learning sources (e book, e journals)
 3. Learning outcome based lesson plan
 4. Use of educational videos for advance learning
 5. Course Notes
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Blood donation camp dated 13/04/2016 at SETI
35. SWOC analysis of the department and Future plans

SWOC

<u>STRENGTH</u>	<u>WEAKNESS</u>
<ul style="list-style-type: none"> ➤ Well Qualified Staff. ➤ 12 out of 14 faculties are approved with 100% retention ratio. ➤ Four faculty members pursuing Ph.D from IIT, NIT and university. ➤ Well equipped laborites for academics, consultancy and research. ➤ Collectivism and co-ordination is present within faculty that enhances outcome quality. ➤ Expertise consultancy service in different sectors of civil engineering. ➤ Established departmental library especially for economically backward students and slow learners. ➤ Active participation in departmental social responsibility by student, faculty and staff ➤ Student association for capacity building of student. 	<ul style="list-style-type: none"> ➤ Less research work, not being able to schedule time for research. ➤ Fund and expertise guidelines not available to department ➤ Less MoU's- linkage with industry needs to be strengthen. ➤ Low quality inputs.
<u>OPPORTUNITY</u>	<u>CHALLENGES</u>
<ul style="list-style-type: none"> ➤ Improve communication skill and personality development of staff and students. ➤ Research and publications needs to be improve ➤ R & D projects from different funding agencies and collaboration with industries ➤ Increase the quantum of consultancy. 	<ul style="list-style-type: none"> ➤ Decline the ratio of input quality of student ➤ MoU's and Tie-up with institute and industry ➤ Need to improve the awareness regarding different competitive exam within students.

COMPUTER SCIENCE & ENGINEERING

1. Name of the department : **Computer Science and Engineering**
2. Year of establishment : **2009**
3. Names of programmes / courses offered:
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph. D., etc.)
UG (CSE) Year of Establishment 2009.
4. Names of interdisciplinary courses and the departments/units involved:

Sr. No.	Name of the Course	Department Involved
1.	Microprocessors	Electronics & Telecommunication Department
2.	Environmental studies	General Department
3.	Applied Mathematics	General Department

5. Annual/ semester/choice based credit system (programme wise): **Semester**
6. Participation of the department in the courses offered by other departments

Sr. No.	Courses offered by other dept	Name of the Department Offering course
1.	Advanced C Programming	Electrical Department
2.	Computer Graphics	Mechanical Department
3.	Computer Programming using C++	Mechanical Department

7. Courses in collaboration with other universities, industries, foreign institutions, etc. **NIL**

8. Details of courses/programmes discontinued (if any) with reasons: **No**

9. Number of Teaching posts:

Teaching posts	Sanctioned	Filled
Professors	1	Nil
Associate Professors	2	Nil
Assistant Professors	12	05 (Approved) 05(Ad-Hoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

Sr. No.	Name	Qualification	Designation	Specialization	Years of Experience
1.	Mrs. T. T. Mohite Patil	B. E. Electr. M. E. E&TC	Associate Professor (HOD)	Image Processing & Artificial Neural Network	18
1.	Mr. Jagannath B. Metkari	M.Tech (CSE)	Assistant Professor	Computer Programming	14
3.	Mr. Prmod S. Landge	M .E. CSE, PhD (Appeared)	Assistant Professor	Web Mining	8
4.	Mr.. Sunil N. More	M.E CSE (Appeared)	Assistant Professor	Image Processing & Wireless Sensor Network	8
5.	Mr.. Mangesh M. Hajare	M.Tech (CST) Appeared	Assistant Professor	Image Processing	8
7.	Mr. Rahul S.Nejkar	M.E. (CSE)	Assistant Professor	Operating Systems	7
8.	Mr.. Amol S. Belekar	M. Tech CSE	Assistant Professor	Cloud Computing	6
9.	Mrs. Priyanka L. Gaikwad	M. Tech CST	Assistant Professor	Computer Network	6
10.	Mr. Pravin R. Kamble	M. Tech. (CSE)	Assistant Professor	Inage Processing	4
11.	Mr. Samrat A. Babar	M.Tech (CSE)	Assistant Professor	Natural Language Processing	3

11. List of senior visiting faculty:

Sr. No.	Senior Visiting Faculty	Designation
1.	Dr. P. J. Kulkarni	Deputy Director, WCE Sangli
2.	Dr. D. V. Kodavade	H.O.D.(C.S.E.), D.K.T.E. Ichalkaranji
3.	Prof. S. P. Patil	Asst. Prof. ADCET Ashta
4.	Prof. S. V. Chavan-Patil	Asst. Prof. KIT CoE, Kolhapur.
5.	Prof. V. A. Kamble	Asst. Prof. ADCET Ashta

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Percentage of lectures delivered	Percentage of practical classes handled
50% approx.	50% approx.

13. Student -Teacher Ratio (programme wise) : **12:1**

No. of Students	No. of Faculty
121	10

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr.No.	Type of Staff	Sanction	Filled
01	Technical Staff & Admin	03	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil/PG.

Qualifications	Number
Ph. D Pursuing	01
PG	08
PG Pursuing	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

17. Departmental projects funded by DST-FIST; UGC, AICTE, DBT, ICSSR, etc. and total grants received : **NIL**

18. Research facility recognized by the University Publications: **NIL**

19. Publications:

Publications per faculty:

Sr. No.	Name of the Staff	Number of Publications	International Journal/ Conferences	National Journal/ Conferences
1.	Mr. Sameer B. Bhosale	2	2	0
2.	Mr. Jagannath B. Metkari	3	2	1
3.	Mr. <u>Pramod S. Landge</u>	5	3	2
4.	Mr. <u>Sunil N. More</u>	4	3	1
5.	Mr. Mangesh M. Hajare	1	1	0
6.	Mr. <u>Rahul S. Nejkar</u>	5	3	2
7.	Mr. <u>Amol S. Belekar</u>	1	1	0
8.	Mr. <u>Priyanka L. Gaikwad</u>	2	1	1
9.	Mr. <u>Pravin R. Kamble</u>	3	3	0
10.	Mr. Samrat A. Babar	3	2	1

20. Areas of consultancy and income generated : **NIL**
21. Faculty as members in a) National committees b) International Committees c) Editorial Boards ISTE Life Membership (LM) : **9**
22. Student Projects
- a) Percentage of students who have done in-house projects including inter-departmental/Programme:

Year	No. of students on roll	No. of students doing In house projects.	%
2016-2017	49	49	100.00
2015-2016	42	34	80.95
2014-2015	69	69	100.00

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies:

Year	No. of students on roll	No. of students doing outside projects.	%
2016-2017	49	0	00
2015-2016	42	8	19.05
2014-2015	69	0	00

23. Awards / recognitions received by faculty and students:

Faculty Achievements

Sr. No.	Name of Faculty	Event	Date
1.	Mr. S. N. More	Resource Person, Identification & Formulation of PG Projects, Technical Paper Writing & Hands on LATEX - 2015 (IFTL-15)	28 th and 29 th March 2015

Student Achievements

Sr. No.	Name of Student	Award	Event
1.	Abhishek Satpute	Winner	Kaun Banega CEO, ADCET Ashta.
2.	Shruti Savardekar	1 st Winner	Technosia 2014, IIT BHU.
3.	Amruta Bhagwan	2 nd Winner	Technosia 2014, IIT BHU.
4.	Pratima Parapate	2 nd Winner	Technosia 2014, IIT BHU.
5.	Amar Patil	Runner up	Quiz competition, DYP Kolhapur.
6.	Sandip Swami	Runner up	Quiz competition, DYP Kolhapur.
7.	Amar Patil	Runner up	Industry Problem Solving, DYP Kolhapur.
8.	Sandip Swami	Runner up	Industry Problem Solving, DYP Kolhapur.
9.	Premkumar S. Ghorpade	Runner up	Industry Problem Solving, DYP Kolhapur.
10.	Vishal Randive	Runner up	Industry Problem Solving, DYP Kolhapur.
11.	Prajakta S. Patil	Runner up	Expert java, DKTE Ichalkaranji
12.	Shushrut Bhosale	Winner	Paper Presentation ,KIT Kolhapur.
13.	Rohini Kavathekar	Winner	Hammer throw, Lead College Activity, Shivaji University, Kolhapur.
14.	Rohini Kavathekar	Runner up	Jeweling throw, Lead College Activity, Shivaji University, Kolhapur.
15.	Rohini Kavathekar	Runner up	discus throw Lead College Activity, Shivaji University, Kolhapur.
16.	Sneha R. Patil	Selected for National level	All India Inter University Fencing Championship held at Chandigarh, Panjab.

24. List of eminent academicians and scientists / visitors to the department:

Sr. No.	Eminent Academicians and scientists/visitors	Purpose
1.	Prof. P. J. Kulkarni, Deputy Director, WCE, Sangli.	Faculty Development workshop on DATA-MINING AND HADOOP
2.	Prof. D. V. Kodwade, Prof. & HOD CSE, DKTE, Ichalkaranji.	Faculty Development workshop on DATA-MINING AND HADOOP
3.	Mr. Krishnkant Mane, Director Digital Freedom Foundation, Mumbai.	Student development workshop on open source web Technologies
4.	Mr. Parag Shinde, HR, Reliance Pvt. Ltd, Gujrat.	Student development workshop on “Competitive Approach towards sustainability”
5.	Mr. Swapnil Bharde, System Engineer and Senior Programmer, Infosys Pune.	Android Technology
6.	Prof. S. P. Patil, ADCET Ashta.	Guest lecture on “Distributed Systems”
7.	Prof. Ashok Ghatage, earth logicware technology, Kolhapur	Faculty Development Program on “Emerging Trends in Cloud Computing”
8.	Prof. S. V. Chavan-Patil, KIT CoE, Kolhapur.	Guest Lecture on Applied Mathematics-III
9.	Prof. V. A. Kamble, Asst. Prof ADCET Ashta	Guest Lecture on Microprocessor

25. Seminars/ conferences/workshops organized & the source of funding

a) National

b) International:

Sr. No.	Details of Activity	Date of Activity	No. of Participants
1.	Group discussion & personal interview technique	11/9/2015	22
2.	Android Technology	20/02/2016 21/02/2016 27/02/2016	44
3.	Details of Faculty Development workshop on DATA-MINING AND HADOOP	29/12/2015 to 02/01/2016	23
4.	Details of Student development workshop on open source web Technologies	27/07/2015 to 31/07/2015	74
5.	Details of Student development workshop on “Competitive Approach towards sustainability”	23/07/2015	114
6.	Workshop on LATEX	31/01/2015	37
7.	Report writing using LATEX	17/08/2015	42
8.	Guest lecture on “Distributed Systems”	10/10/16	49
9.	Faculty Development Program on “Emerging Trends in Cloud Computing”	18/07/16 to 23/07/16	10
10.	Guest Lecture on Microprocessor	06/10/14	All SE students
11.	Guest Lecture on Applied Mathematics-III	12/10/15	All SE students

26. Student profile programme/course wise:

Year	Applications received	Selected	Enrolled	
			Male	Female
16-17	51	51	15	31
15-16	45	45	12	33
14-15	52	52	33	19

27. Diversity of students:

Name of the course /programme: Computer Science and Engineering

Year	% of students from the same state	% of students from other States	% of students from abroad
2016-2017	100	00	NA
2015-2016	100	00	NA
2014-2015	100	00	NA

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? **NIL**

29. Student progression:

Students Progression	Against % Enrolled		
	Academic Year		
	2015-2016	2014-2015	2013-2014
UG to PG	1	2	4
Employed			
• Campus selection	4.65	8.70	4.45
• Other than campus recruitment	2.38	30	50

30. Details of Infrastructural facilities

a) Library:

Sr. No.	Number of Title	Number of Volumes	Number of Journals	Number of e-journals
1.	65	3608	9	87

b) Internet facilities for Staff & Students:

Wi-Fi facility,
Leased line 20 Mbps
Broadband 20 Mbps

c) Class rooms with ICT facility:

- ◆ Department has two class rooms for conducting lectures with LCD Projector.
- ◆ Faculties are provided Desktops for interactive teaching.
- ◆ Department has 1 tutorial rooms for conducting tutorials.
- ◆ Department share seminar hall to conduct workshops, seminars and guest lectures.

d) Laboratories:

Sr. No.	Laboratory Name	Laboratory Incharge Name	Area (In Sq. M.)
1.	Programming Laboratory	Mr.. S. B. Bhosale	79.87
2.	Computer Network Laboratory	Mr. S. N. More	78.63
3.	System Programming Laboratory	Mr. A. S. Belekhar	69.22
4.	Computer Graphics Laboratory	Mr. M. M. Hajare	69.22
5.	Database Laboratory	Mr.. P. L. Gaikwad	88.05
6.	Project Laboratory	Mr.. R. R. Nejkar	69.22
7.	Advanced Computing Laboratory	Mr. S. A. Babar	69.22

31. Number of students receiving financial assistance from college, university, government or other agencies:

Year	Type of assistance	No. of students
2015-16	Scholarship & Freeship	32
	EBC	54
	STC	---
	PTC	---
	Handicap	0
	Minority	0
	J & K	0
	GATE	0
	Central Sector	0
2014-15	Scholarship & Freeship	39
	EBC	76
	STC	---
	PTC	---
	Handicap	0
	Minority	0
	J & K	0
	GATE	0
	Central Sector	0
2013-14	Scholarship & Freeship	30
	EBC	78
	STC	---
	PTC	---
	Handicap	0
	Minority	0
	J & K	0
	GATE	0
	Central Sector	0

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Sr. No.	Name of Event	Expert	Dates
1.	Group discussion & personal interview technique	Teckril Technologies, Pune	11/9/2015
2.	Android Technology	Mr. Swapnil Bharde, Pune	20/02/2016 21/02/2016 27/02/2016
3.	Workshop on “open source web Technologies”	Mr. Krishnkant Mane, Mumbai	27/07/2015 to 31/07/2015
4.	Workshop on “Competitive Approach towards sustainability”	Mr. Parag Shinde, Gujrat	23/07/2015
5.	Workshop on LATEX	Prof. S. N. More, Faculty Member	31/01/2015
6.	Workshop on “Report writing using LATEX”	Mr. Bharat Sharma (TE CSE) & Mr. Amit Sarvalkar (TE CSE)	17/08/2015
7.	Guest Lecture on Business Intelligent Systems	Prof. J. S. Pujari, KIT CoE, Kolhapur.	13/03/2016
8.	Guest Lecture on Microprocessor	Prof. V. A. Kamble, ADCET, Ashta.	06/10/14
9.	Guest Lecture on Applied Mathematics-III	Prof. S. V. Chavan-Patil, KIT CoE, Kolhapur.	12/10/15

33. Teaching methods adopted to improve student learning:

1. Black Board teaching method
2. LCD / PPT teaching methods
3. Multimedia learning
4. Problem Solving
5. Interactive Learning
6. Student centered learning
7. Project based learning

8. NPTEL Videos
 9. Group Discussion
 10. Learning through Industrial Visit
 11. Seminar based learning
 12. Tutorial sessions
-
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
 1. Blood donation camp – NSS activity
 2. Social Charity
 3. Tree plantation
 35. SWOC analysis of the department and Future plans:
Strengths:
 1. Experienced faculty members.
 2. Well established infrastructure.
 3. Successful alums.
 4. Good faculty retention ratio.
 5. Optimal use of FOSS.

Weaknesses:

1. Low Placement of students.
2. Lack of Research & development activities.
3. Student admission.

Opportunities:

1. Excellent career opportunities for graduates.
2. Excellent opportunities for interdisciplinary research.
3. Scope for creation of Research & Development center in campus.
4. Scope for educational collaboration with industries.

Challenges:

1. Declining quality of students.
2. Admission to Ph.D. and accomplishment of research work.
3. Fulfilling the intake.

Future Plan:

1. Promoting faculties for Ph. D.
2. Promoting research activities in the department.
3. Signing MoU's with the industries.
4. Improving employability of students.

Electrical Engineering Department

1. Name of the department : Electrical Engineering
2. Year of Establishment : 2010
3. Names of Programmes / Courses offered : UG
4. Names of Interdisciplinary courses and the departments/units involved : Yes

Sr. No.	Title of the Interdisciplinary Course	Department
1	Engineering Mathematics	Basic science & Humanity
2	Basic Mechanical Engineering	Mechanical Engineering
3	Basic Civil Engineering	Civil Engineering
4	Engineering Graphics	Mechanical Engineering
5	C Programming	Computer Science Engineering
6	Communication engineering	E&TC Engineering
7	Analog Electronics Engineering	E&TC Engineering
8	Digital Electronics & Microcontroller	E&TC Engineering

5. Annual/ semester/choice based credit system (programme wise):- semester
6. Participation of the department in the courses offered by other departments :- yes

Sr. No.	Subject	Department
1	Electrical Technology (A & B DIV.)	Mechanical Engineering
2	Electrical Technology	Automobile Engineering
3	Basic Electrical Engineering	First year engineering (ALL BRANCH)

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil
8. Details of courses/programmes discontinued (if any) with reasons : Nil

9. Number of teaching posts

	Sanctioned	Filled
Professors	1	0
Associate Professors	2	0
Asst. Professors	11	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Mr. P.P.Kulkarni	M.Tech	Assist. Prof. & H.O.D	Electrical Power Systems	6	0
2	Mr. N.S.Jadhav	M.Tech	Assist. Prof.	Power Systems	5.5	0
3	Mr.A.M. Bhandare	M.Tech	Assist. Prof.	Power Systems	5	0
4	Mr. A.P Redekar	M.E	Assist. Prof.	Control Systems	6	0
5	Mr.V.T. Metkari	M.Tech	Assist. Prof.	Power Systems	4	0
6	Mr. Y.R.Naik	M.Tech	Assist. Prof.	Power Systems	3	0
7	Mr. P.B.Gurav	M.E (APP)	Assist. Prof.	Power Systems	4	0
8	Mr.D.R.Shelar	M.Tech	Assist. Prof.	Power Systems	3	0
9	Ms.P.G.Bendre	M.Tech	Assist. Prof.	Power Systems	2	0
10	Mr.S.M.Patil	M.Tech	Assist. Prof.	Power & Energy	0	0

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme wise) : 21.6: 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr.No	Name	Designation	Qualification	Experience
1	Mr. S.V.Acharya	Lab Assistant	Diploma (Electrical)	9 yrs.
2	Mr. S.R.Patil	Lab Assistant	Diploma (Electrical)	7yrs.
3	Mr. R.G.Bendre	Lab Assistant	Diploma (Electrical)	8 yrs.
4	Mr.Amar S.Gujar	Electrician	ITI (Electrical)	

Sr.No	No. of support staff sanctioned	No. of support staff filled
1	3	3

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr.No	Name	Qualification	Specialization
1	Mr. P.P.Kulkarni	M.Tech	Electrical Power Systems
2	Mr. N.S.Jadhav	M.Tech	Power Systems
3	Mr.A.M. Bhandare	M.Tech	Power Systems
4	Mr. A.P Redekar	M.E	Control Systems
5	Mr.V.T. Metkari	M.Tech	Power Systems
6	Mr. Y.R.Naik	M.Tech	Power Systems
7	Mr. P.B.Gurav	M.E (APP)	Power Systems
8	Mr.D.R.Shelar	M.Tech	Power Systems
9	Ms.P.G.Bendre	M.Tech	Power Systems
10	Mr.S.M.Patil	M.Tech	Power & Energy

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : - Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : - Nil
18. Research Centre /facility recognized by the University :- Nil
19. Publications:
- a) Publication per faculty :- Yes
- b) Number of papers published in peer reviewed journals (national / international) by faculty and students :- Yes

Sr. No	Name	Qualification	Publications		Conference	
			National	International	National	International
1	Mr. P.P.Kulkarni	M.Tech	0	2	0	2
	Mr. N.S.Jadhav	M.Tech	0	0	1	2
3	Mr.A.M. Bhandare	M.Tech	1	2	0	1
4	Mr. A.P Redekar	M.E	1	2	0	1
5	Mr.V.T. Metkari	M.Tech	0	2	1	2
6	Mr. Y.R.Naik	M.Tech	0	2	1	3
7	Mr. P.B.Gurav	M.E (App)	0	1	0	1
8	Mr.D.R.Shelar	M.Tech	0	1	0	2
9	Ms.P.G.Bendre	M.Tech	0	1	0	1

20. Areas of consultancy and income generated :- Yes

Sr. No	Year	Project Title	Name of Org. to which consultancy is Provided	Project /Consultancy Coordinator	Duration	Revenue Generated (Rs.)
1	2012-13	UPS testing of Different Manufacturers	1.Pioner Electronics, 2.Modular electronics, 3.Renutron, 4.Power Gun PVT. LTD.	Mr. A.E. Sonkamble	21st Dec 2012 2 nd January 2013	20000/-
2	2015-16	High Voltage Lab Conduction	SGMCE, Mahgaon	Mr. Naik Yogesh R.	10 th October 2015, One Day	9500/-
3	2015-16	Energy Audit & Implementation by Students	Electrical Department, SETI Panhala	Mr. Jadhav Nilesh S.	Nov 2015 to March 2016	Nil
4	2015-16	Transformer Oil Testing	SETI, Power House, Maintenance Dept.	Mr. Naik Yogesh R.	12/2/2016	Nil

21. Faculty as members in : - **Yes**

a) National committees : - **ISTE Life Member**

ISTE Life Membership	2
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b) International Committees : - **Nil**

c) Editorial Boards : - **Nil**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: -

Year	Total Number of Projects	Sponsored Projects Percentage	In-house Projects Percentage
2014-15	16	0	100
2015-16	20	20	80
2016-17	14	15	85

c) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **0%**

23. Awards / Recognitions received by faculty and students: -

Sr.No.	Name	Awards
1	Patil Gayatri D.	1 st Rank I RSF at SGI
2	Koli Komal D.	2 st Rank I RSF at SGI
3	Patil Pruthiviraj S.	Runner up at in idea Presentation at NmCOE Peth
4	Imran K hanchohah	Paper Presentation 2 nd rank SIT
5	Majgaouar Sufiyan	Paper Presentation 2 nd rank SIT
6	Shinde Aniket	Consolation Prize in Electro Art at KIT
7	Desai Abishekha D.	Zonal university
8	Aniket vidnodkar	CRICKET ZONAL Winner

24. List of eminent academicians and scientists / visitors to the department : - **Yes**

Eminent Academicians and scientists/visitors	Purpose
Dr. Prof. K Vadiarajacharya	Two day workshop on, 'Energy Scenario & impact of Power quality issue in sustainable energy system'.
Dr. Prof. P. K. Katti	
Dr. Prof. S. S. Tanwade	One day workshop on, 'Application of Power electronics in Power System'.
Prof. S.S. Katre	Guest lecture on 'Electrical machine design'
Mr.J.H.Patil	Visit & SUK Exams
Mr.S.J.Kamble	Visit & SUK Exams
Mr.A.A.Teke	Workshop on Transformer
Mr.V.B.Deshpande	Visit & SUK Exams

25. Seminars/ Conferences/Workshops organized & the source of funding : - **Yes**

a) National

b) International : Nil

26. Student profile programme/course wise:

Academic Year	Name of the Course/ programme	Enrolled		Total	Pass Students	Pass percentage
		*M	*F			
2014-15	S.E	57	22	75	30	40.00
	T.E	60	8	69	55	79.71
	B.E	49	13	63	61	96.77%
2015-16	S.E	57	18	75	55	73.33
	T.E	37	18	55	43	78.18
	B.E	63	11	75	68	90.66
2016-17	S.E	58	13	71		
	T.E	65	25	90		
	B.E	36	19	55		

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
FE.Electrical	100%	Nil	Nil
S.E.Electrical	100%	Nil	Nil
T.E.Electrical	100%	Nil	Nil
B.E.Electrical	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. Yes

29. Student progression

Student progression	Against % enrolled		
	2013-14	2014-2015	2015-2016
UG to PG	1	4	-
PG to M.Phil.	-	-	-
PG to Ph.D.	-	-	-
Ph.D. to Post-Doctoral	-	-	-
Employed Campus selection	0	10	13
Other than campus recruitment			
Entrepreneurship/Self-employment	-	-	-

30. Details of Infrastructural facilities

a) Library: - **Yes**

S/R	Particular	Total
1	Books	1690
2	National Journals	19
3	E Journals	38

Book Purchase investment for UG; 728716

Department Library:

S/R	Particulars	Numbers
1	Books	299
2	Project Report	51
3	Industrial training report	100
4	Seminar report	50
5	Environmental projects	

b) Internet facilities for Staff & Students : - Yes

Name of the Internet provider:	BSNL
Available bandwidth:	20 Mbps
Contention Ratio :	1:1

c) Class rooms with ICT facility : - Yes

Sr. no	Description	Room ID	Carpet area (In Sq.m.)
1	Classroom 1	D-302	78.25
2	Classroom 2	D-303	78.25
3	Classroom 3	D-304	79.25
4	Tutorial Room/ Switchgear & Protection Laboratory	D-305	51.53
5	Seminar Hall	D-104	133.44

d) Laboratories: - Yes

S/r	Name of laboratory	Lab. Area in Sq.Meter	Investment
1	Basic Electrical & Electrical Circuits Laboratory	111.91	1299798/-
2	Machine Laboratory	169.28	1574140/-
3	Computer Software Laboratory	79.25	3325232/-
4	Analog, Power Electronics & Drives Laboratory	79.25	723832/-
5	Control System Laboratory	78.93	307932/-
6	Measurement & Instrumentation Laboratory	78.94	867877/-
7	Switchgear & Protection Laboratory	51.53	343470/-
8	Digital & Micro Controller Laboratory	79.56	78750/-
9	High voltage Engineering Laboratory	84.22	509876/-
Total			9030907/-

31. Number of students receiving financial assistance from college, university, government or other agencies :- **Yes**

Sr.No.	Category	A.Y.2014-15	A.Y.2015-16
		Student	Student
1	SC	13	18
2	NT	19	20
3	OBC	32	28
4	SBC	7	6

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :- **Yes**
33. Teaching methods adopted to improve student learning: -
- NPTEL VIDEO lectures
 - Unit Tests
 - Remedial classes
 - Industrial and Site visits
 - Expert Lectures
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: -
- Blood Donation Camp
 - Celebrate Republic Day
 - Celebrate Independence Day
 - Celebrate Gandhi Jayanti
 - Celebrate Shiv Jayanti
 - Swacchata Abhiyaan
 - Celebrate Women's Day
 - Save Girl child Program
35. SWOC analysis of the department and Future plans :- **Yes**

SWOC ANALYSIS OF DEPARTMENT STRENGTHS

- 1) Harmonious relationship among the members of the management, staff, students and parents.
- 2) Well qualified, dedicated experienced faculty & highly efficient support staff.
- 3) Representation by a large number of faculty members in Board of Studies contributing to curriculum design and implementation.

- 4) Well Equipped Laboratories with Latest Machinery and Equipments.
- 5) Wide range of extension, co-curricular and extra-curricular activities.

Weaknesses

- 1) Diverse student community
- 2) Due to the economic background of students and the paucity of time available to them, limitation on implementing of value added courses.
- 3) Lack of highly qualified and experienced senior faculty at higher position.

Opportunities

- 1) To introduce job oriented and skill development, self employed courses and other emerging subjects.
- 2) To open Post Graduate programs in the department.
- 3) Research and extension activities in the field of local culture natural recourses and its utilization.
- 4) Huge scope of plantation

Challenges

- 1) To provide job opportunities to the degree holders.
- 2) Due to the poor economic back ground of the locality it is difficult to open self- financed job oriented courses
- 3) To start research activities for the development of the faculty members with available facilities in collaboration with nearby Universities and research institutes.

Future Plans

- 1) To start PG programmes in areas of Electrical Engineering
- 2) To start consultancy work for industry.
- 3) To establish better tie-ups with industries and thereby enhance the placement facilities for students.
- 4) To establish better tie-ups with reputed institutes like IITs for deputation and exchange of faculty.
- 5) To convert the department into a leading research center in the country in specialized areas of Electrical Engineering like Electrical Machines, Signal Processing, Communication Engineering, Control System, etc.

Electronics & Telecommunication Engineering

1. Name of the Department :- **Electronics & Telecommunication Engineering**
2. Year of establishment : **2009 - 2010**
3. Names of programs/courses offered : **UG, PG**

Name of the Program	Year of Establishment
UG (Electronics & Telecommunication Engineering)	2009 - 2010
PG (Electronics & Telecommunication)	2015 - 2016

4. Names of interdisciplinary courses and the departments/units involved

Sr. No.	Name of the Interdisciplinary Courses	Beneficiary Department	Supporting Department
01	Mathematics	Electronics & Telecommunication Engg.	General science
02	Environmental Studies	Electronics & Telecommunication Engg.	General science

5. Annual/ semester/choice based credit system(Program wise) :- **Semester based system**
6. Participation of the department in the courses offered by other departments : **Nil**
7. Courses in collaboration with other universities, industries, foreign institution, etc : **Nil**
8. Details of courses /Programmes discontinued(if any) with reasons: **Nil**

9. Number of Teaching Posts:

	Sanctioned	Filled
Professors	02	00
Associate Professor	02	00
Assistant Professor	16	13

**10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D./M.Phil.etc.,)**

Sr. No.	Name of the Faculty	Designation	Qualification (Specialization)	No. of years of Experience	No. of Ph.D. Students Guided for the last 4 years
01	Mr. V. S. Mane	Asst. Prof.	M. Tech (Electronics)	05 Year	-----
02	Mr. S. T. Jadhav	Asst. Prof.	M.E.(E&TC),MMS,DLL & LW,CNA,MCP	15 Year	-----
03	Mr. S. V. Vanmore	Asst. Prof.	M. Tech (E & TC)	06 Year	-----
04	Ms. P. Y. Bhosale	Asst. Prof.	M. Tech (Electronics)	05 Year	-----
05	Mr. C. R. Dongarsane	Asst. Prof.	M. E. (E & TC)	09 Year	-----
06	Mr. S. N. Shinde	Asst. Prof.	M. Tech (VLSI Design & Embedded System)	06 Year	-----
07	Ms. S. S. Lad	Asst. Prof.	M. E. (E & TC)	05 Year	-----
08	Mr. C. M. Gaikwad	Asst. Prof.	ME (Electronics)	06 Year	-----
09	Mr. S. P. Patil	Asst. Prof.	M. E. (E & TC)	06 Year	-----
10	Ms. P. U. Mohite	Asst. Prof.	M. E. (E & TC)	2.5 Year	-----
11	Ms. P. B. Shikalgar	Asst. Prof.	M. E. (E & TC)	2.5 Year	-----
12	Mr. S. A. Maske	Asst. Prof.	M. E. (Electronics)	02 Year	-----
13	Ms. M. B. Sutar	Asst. Prof.	M.Tech (Electronics)	02 Year	-----

11. List of senior visiting faculty:

Sr. No.	Name of Visiting Faculty	Specialization
01	Mr. R. A. Barapate	Image Processing
02	Mr. Y. M. Patil	Control System
03	Mr. P. B. Ghewari	RF & Microwave
04	Dr. P. K. Shrivastav	Communication

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty :- Nil

13. Student-Teacher ratio(Programme wise) :- 1:16

14. Number of academic support staff(technical) and administrative staff sanctioned and filled

Academic support staff (technical)

Sanctioned :- **04** Filled : **-03**

Administrative staff

Sanctioned :- **01** Filled:- **00**

15. Qualification of teaching faculty with DSc/ D.Litt/ Ph. D/ M. Phil / PG:-

Sr. No.	Name of Faculty	Designation	Qualification (Specialization)
01	Mr. V. S. Mane	Asst. Prof.	PhD (Pursuing)
02	Mr. S. V. Vanmore	Asst. Prof.	PhD (Pursuing)
03	Mr. C. R. Dongarsane	Asst. Prof.	PhD (Pursuing)
04	Mr. S. P. Patil	Asst. Prof.	PhD (Pursuing)

16. Number of faculty with ongoing projects from a)National b)

International funding agencies and grants received: -

- National - **Nil**
- International funding agencies - **Nil**
- Total grants received - **Nil**

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc.
and total grants received : **Nil**

18. Research Centre /facility recognized by the university : **NO**

19. Publications :-

A) Publication Per Faculty:-

Year	Name of faculty	Publications			
		IJ	NJ	IC	NC
2014 - 15	Mr. S. T. Jadhav	01	01	02	01
	Ms. T. T. Mohite Patil	11	01	01	06
	Mr. V. S. Mane	02	--	01	01
	Mr. S. V. Vanmore	01	01	--	02
	Ms. P. Y. Bhosale	01	01	--	01
	Mr. C. R. Dongarsane	02	01	01	01
	Mr. S. N. Shinde	03	--	01	--
	Ms. S. S. Lad	01	01	--	--
	Mr. C. M. Gaikwad	01	01	01	01
	Mr. S. P. Patil	01	--	02	01
	Ms. P. U. Mohite	03	--	02	01
	Ms. P. B. Shikalgar	02	--	--	--
	Mr. S. A. Maske	01	--	04	--
2015 - 16	Mr. S. T. Jadhav	01	--	01	01
	Ms. T. T. Mohite Patil	--	01	01	--
	Mr. V. S. Mane	01	--	--	--
	Mr. S. V. Vanmore	--	01	--	01
	Ms. P. Y. Bhosale	--	--	--	--
	Mr. C. R. Dongarsane	01	01	01	01
	Mr. S. N. Shinde	01	--	01	--
	Ms. S. S. Lad	--	01	--	01
	Mr. C. M. Gaikwad	--	--	01	--
	Mr. S. P. Patil	01	--	01	--
	Ms. P. U. Mohite	--	01	--	01
	Ms. P. B. Shikalgar	--	--	--	--
	Mr. S. A. Maske	01	--	01	--

B) Number of papers published in peer reviewed journals by faculty and students – **20**

C) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **Nil**

D) Monographs - **Nil**

E) Chapter in Books - **Nil**

F) Books Edited- **Nil**

G) Books with ISBN/ISSN numbers with details of publishers- **Nil**

H) Citation Index – **Nil**

I) SNIP - **Nil**

J) SJR - **Nil**

K) Impact factor : **2.5 and above**

L) h-index – **Nil**

20 . Areas of consultancy and income generated **Nil**

21. Faculties as a member in National Comm.

B. International Comm. C. Editorial Boards

Sr. No	Name of The Faculty	Name of Institutional bodies	Membership No. / ID	Name of Institutional bodies	Membership No. / ID
1.	Mr. S. T. Jadhav	ISTE	LM85055	IETE	M222225L
2.	Ms. T. T. Mohite Patil	ISTE	LM84521	IETE	----
3.	Mr. V. S. Mane	ISTE	LM84683	IETE	AM234050L
4.	Mr. S. V. Vanmore	ISTE	LM84866	IETE	AM234052L
5.	Ms. P. Y. Bhosale	ISTE	LM84677	IETE	AM234048L
6.	Mr. C. R. Dongarsane	ISTE	LM84687	IETE	AM234049L
7.	Mr. S. N. Shinde	ISTE	--	IETE	----
8.	Ms. S. S. Lad	ISTE	LM85123	IETE	AM234042L
9.	Mr. C. M. Gaikwad	ISTE	LM92068	IETE	----
10.	Mr. S. P. Patil	ISTE	LM87325	IETE	----
11.	Ms. P. U. Mohite	ISTE	LM86456	IETE	----
12.	Ms. P. B. Shikalgar	ISTE	--	IETE	----
13.	Mr. S. A. Maske	ISTE	--	IETE	----

22. Students Projects

- a) Percentage of students who have done in-house projects including interdepartmental / programme. : **50%**
- b) Percentage of students placed for projects in organization outside the institution i.e. in research laboratories/Industry/other agencies. : **25%**

23. Awards /Recognitions received by faculty and student:**1) Faculty:- Nil****2) Project Prize**

Sr. No.	Name of Student	Prize	Event & venue of project exhibition
01	Dhanlobe Onkar Desai Mayur Dakave Patil Amruta	Second	Project Competition at RIT, Islampur.
02	Tonape Pranav Bhosale Rohit Shingole Jayesh	Consolation	NES Innovation awards, PUNE.
03	Dhanlobe Onkar Desai Mayur Dakave Patil Amruta	Best Project	BETIC Cell, IIT, BOMBAY.

24 . List of eminent academicians and scientists/ Visitors to the Department : NIL

Sr. No.	Name of Visiting Faculty
01	Mr. P.B. Ghewari
02	Mr. Y.M.Patil
03	Mrs. R. A. Barapate
04	Dr. P. K. Shrivastav

25. Seminar / Conference / Workshop organized and the source of founding:

Seminars/ Conferences/ Workshops organized	Source of funding
Applications in engineering based on MATLAB	Institute
Soft skill & Aptitude Test	Institute
ROBOAVR	Institute
Wireless Technology	Institute
Recent Technology of Telecommunication	Institute
Industrial Automation and Career Guidance	Institute
Electromagnetic Engg.	Institute

26. Student profile Programme / Course wise:

Name of Course / Programme (Ref Que no 4.)		Application Received		Selected	Enrolled	
					M	F
E & TC	2014 - 15	Cap	FE	30	11	19
		Cap	DSE	45	15	30
	2015 - 16	Cap	FE	32	10	22
		Cap	DSE	36	14	22

27. Diversity of Student:

Name of Course		% of Student from Same State	% of Student from Other States	% of student from Abroad
E & TC	2014 - 15	100%	Nil	Nil
	2015 - 16	100%	Nil	Nil

28. The student who have clear national and state competitive exam such as NET , GATE, SLET, Civil & Defense Services:

YEAR	NET	GATE	SLET	CIVIL SERVICES	DEFENCE SERVICES
2014 - 2015	--	--	--	--	--
2015 - 2016	--	--	--	--	--

29. Student Progression:

Student Progression			Against % enrolled
UG to PG	2014 - 15		15.84%
	2015 - 16		---
Employed	Campus selection	2014 - 15	35.82%
		2015 - 16	20.58%
PG to M.Phil	2014 - 15		Nil
	2015 - 16		Nil
P.G to Ph.D	2014 - 15		Nil
	2015 - 16		Nil
Entrepreneurship/self-employment	2014 - 15		Nil
	2015 - 16		Nil

30. Details of Infrastructure facility:-**a) Library:-**

i) Carpet area of Library is	- 600.13 sqm
Reading space	- 270.95 sqm
No.of Seats in reading space	- 150
No.of Users	- (issue book) 300 per day
No.of Users	- (Reading) 160 per day
Timing	- 8.00 a.m. to 8.00 p.m.
Academic Working days	- Monday to Saturday
Academic Weekend	- Sunday
No. of Library Staff	- 06
No. of library Staff with	- 06
Degree in Lib.	
Librarian –	Regular
	University Approved
	Miss. Awalekar V. D.
	B.A.,M.Lib.Inf. Sci.
Computerization for search, indexing, issue/return records?	- Yes
Bar-coding used?	- Yes
Lib.services on internet/intranet?	- Yes
INDEST or other similar memberships ? Specify (ASME, IEEE, ASCE, ELSEVIE,	- Yes
McGraw-HILL, WILEY,J-GATE,ASTM)	
Titles and volumes	– 3092
No. of Titles	No. of Volumes

Year	Number of new titles added	Number of new editions added	Number of new volumes added
2014 - 15	580	3092	3092
2015 - 16	05	40	40

iii) Scholarly journal subscription

Details		2014 - 15	2015 - 16
Electronics & Telecommunication	As soft copy	On line journals as per AICTE Norms	On line journals as per AICTE Norms
	As hard copy	56	45

iv) Digital Library

Available of Digital Library Contents?	- 440 CDs
No. of Courses	- 100
No. of CDS	- 440
Availability of an exclusive server?	- Centrally
Availability over intranet/internet?	- Yes
Availability of exclusive space/room?	- Yes
No. of Users	- 40 per day

v) Library expenditure on books, magazines/journals, and miscellaneous content

Year	Expenditure				Comments, if any
	Book	Magazines/journals	Magazines/journals	Misc. Contents	
2014 - 15	03,34,361/-	02,84,703/-	50,241/-	4,98,498/-	Amount utilizing as per budget sanction
2015 - 16	05,09,841/-	01,83,140/-	68,256/-	5,56,756/-	Amount utilizing as per budget sanction

b) Internet Facility for staff & student:-

Name of the Internet provider: E-Tech Network solutions BSNL
 Available bandwidth: 20 mbps lease line 1:1 20 mbps VPN Broadband under NMEICT

Access speed: 20 mbps lease line 1:1 20 mbps VPN Broadband under NMEICT

Availability of internet in an exclusive lab:	-Yes
Availability in most computing labs:	-Yes
Availability in departments and other units:	-Yes
Availability in faculty rooms:	-Yes
Institute's own e-mail facility to faculty/students:	-No
Security/privacy to e-mail/internet users:	-Yes

c) Class room with ICT facility:-

For Electronics & communication Engineering department we have 3 classrooms with Overhead projector facility.

d) Laboratories:-

Sr. No	Name of Laboratory	Total Investment	Lab Area
1	VLSI & Embedded Lab	10,06,635/-	115.34 SQ. M.
2	Measu. & Instrumentation Lab	08,25,591/-	51.53 SQ. M.
3	Digital Design & Project Lab	3,30,240/-	78.25 SQ. M.
4	Microprocessor & Microcont.Lab	6,46,952/-	78.94 SQ. M.
5	Analog Electronics Lab	03,64,400/-	78.94 SQ. M.
6	Communication Lab	21,32,690/-	78.94 SQ. M.
7	Advanced Communication Lab	15,80,700/-	78.94 SQ. M.
8	Programming Lab	12,40,106/-	51.53 SQ. M.
9	Advanced Comm. (PG) Lab	10,26,400/-	78.93 SQ. M.
10	Research (PG) Lab	13,03,106/-	51.53 SQ. M.

31. Number of Student receiving financial assistance from college, University, Government or other agencies

Sr. No	Financial Assistance	2014-15	2015-16
1	College	---	--
2	University	01	01
3	Government	120	105
4	Other Agencies	--	--

32. Details on student enrichment program (Special Lecture / Workshop/seminar) with external expert

2015 - 16

Sr. No.	Date	Title	Class	Arranged By	Resource Person	Company/ College Name
Guest Lecture						
1	01-02-2016	Wireless Technology	BE	Mr. C. R. Dongarsane & Mr. S. V. Vanmore	Mr. Dhairyashil C. Patil	Vidhyati Technology, Kolhapur
2	17/02/2016	Recent Technology of Telecommunication	TE & BE	Ms. P.Y.Bhosale & Ms. P. B. Shikalgar	Mr. Prashant Dhekane	TIFRA Enterprises, Mumbai
3	26/02/2016	Industrial Automation and Career Guidance	BE	Ms.S.S. Lad	Mr. Kartik Kamble	ASKtech Solutions, Kolhapur
4	26/02/2016	Electromagnetic Engg.	SE	Ms. P.Y.Bhosale	Mr. P.B.Ghewari	AMGOI, Vathar
Workshop						
1	21/12/2015 to 25/12/2015	Applications in engineering based on MATLAB	FDP	Prof. P.Y.Bhosale	Prof. Mushtak Gadkari	R.M.C.E.T. Ambav Tal - Devrukh, Ratnagiri (Mumbai University)
2	15/02/2016 to 16/02/2016	Softskill & Aptitude Test	TE	Prof. S. N. Shinde & Prof. S.A. Maske	Mr. Neeraj Gunwani	Techrel Technologies, Pune
3	29/02/2016 to 01/03/2016	ROBOAVR	SE to BE	Prof. V.S. Mane & Prof. P. Y. Bhosale	Mr. Siddharth Sharma	Robogenesis, Pune
Test Arrangment by Company						
1	15/02/2016	C, C++ TEST	SE to BE	Mr. S. N. Shinde & Mr. S. A. Maske	Mr. Ankush Vankore	Seed Infotech, Kolhapur

Expert Lecture Report (Year: 2015 - 16)

Sr. No.	EVENT	GUEST	Conducted by	Class	Duration	Date
1	Guest Lecture on Wireless technology	Mr. Dhairyashil C. Patil, VIDHYATI Technology, Kolhapur TIFRA Enterprises, Vashi, Navi Mumbai	Mr. C. R. Dongarsane Mr. S. V. Vanmore	B.E.	2 Hours	01-02-2016
2	Guest Lecture on 'Recent Technology of Telecommunication'	Mr. Prashant Dhekane, TIFRA Enterprises, Vashi, Navi Mumbai	Ms. P. Y. Bhosale Ms. P. B. Shikalgar	T.E. B. E.	2 Hours	17-02-2016
3	Guest Lecture on 'Electromagnetic Engineering'	Prof P. B. Ghewari, AMGOI, Wathar	Ms. P. Y. Bhosale	S.E	3 Hours	26-02-2016

33. Teaching methods adopted to improve student learning

- Identification and bridging of gaps for the course/s.
- Expert's Seminar on important topic.
- Tutorial session on subject.
- Active and collaborative teaching.
- Use of Projector for Power point/Educational Animation presentation, Audio-video lectures.
- Use of NPTEL e-learning lecture series.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

2015-16: Blood Donation Camp NSS camp
2016-17 Tree plantation

35. SWOC analysis of the department and Future plans Strength

- Effective teaching & learning process.
- Consistently improving academic results.

Weakness

- a. Interaction with eminent industries outside Kolhapur region.
- b. Research, Publications and consultancy

Opportunities

- a. Scope for strengthening the industry institution interaction for better placements of students.
- b. To develop R&D activities by interacting with premier industries and reputed higher learning institutions.
- c. Enter into collaborative projects with industries and other institutions for better exposure.
- d. Networking with other institutions for sharing/acquiring knowhow of advanced technologies.
- e. Developing new curriculum in training programs for students to match the industry requirements.

Challenges

- a. To get maximum employment.

Mechanical Engineering Department

SELF STUDY REPORT 2016

1. Name of the department : Mechanical Engineering
2. Year of Establishment : 2009
3. Names of Programmes / Courses offered
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG (B.E. Mechanical Engineering)
PG (M.E. Mechanical Design Engineering)
4. Names of Interdisciplinary courses and the departments/units involved : No
5. Annual/ semester/choice based credit system (programme wise) : Semester
6. Participation of the department in the courses offered by other departments : No
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : No
8. Details of courses/programmes discontinued (if any) with reasons : No
9. Number of Teaching posts:

Title	Sanctioned	Filled
Professors	3	01
Associate Professors	7	02
Asst. Professors	22	18

10. Faculty profile with name, qualification, designation, specialization,
(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. Badkar D.S.	M.Tech Phd	Professor	Production Engg.	20	Nil
2	Mr. Arvindkumar S.G.	M.E.	Asso. Prof.	Heat Power Engg.	28	Nil
3	Mr. Kulkarni R.S.	M.E	Asso. Prof.	Heat Power Engg.	30	Nil
4	Mr. Nangare S.P.	M.E	Asst. Prof.	Heat Power Engg.	14	Nil
5	Mr. Naik A.N.	M.E	Asst. Prof.	Prod Engg.	10	Nil
6	Mr. Vanmore V.V.	M.E	Asst. Prof.	Mech-Prod Engg.	10	Nil
7	Mr. Koli G.C.	M.E	Asst. Prof.	CAD-CAM-CAE	11	Nil
8	Mr. Katkar A.A.	M.Tech.	Asst. Prof.	Energy Technology	12	Nil
9	Mr. Deshmukh S.B.	M.E	Asst. Prof.	Heat Power Engg.	6	Nil
10	Mr. Deokar V.H.	M.E	Asst. Prof.	Mech-Design Engg.	7	Nil
11	Mr. Ghorpade U.S	M.E	Asst. Prof.	CAD-CAM-CAE	4	Nil
12	Mr. Atigre P.S.	M.Tech.	Asst. Prof.	Mech-Prod Engg.	3	Nil
13	Mr. Patil D. V.	M.E	Asst. Prof.	Mechanical Engg.	7	Nil
14	Mr. Urunkar R.U.	M.Tech.	Asst. Prof.	Mech-Design Engg.	3	Nil
15	Mr. Chavan A.B.	M.E	Asst. Prof.	Mech-Prod Engg.	5	Nil
16	Mr. Katkar A.S.	M.E	Asst. Prof.	Prod Engg.	9	Nil
17	Mr. Thorat V.D.	M.Tech.	Asst. Prof.	Auto	4	Nil
18	Mr. Bhosale A.T.	M.E	Asst. Prof.	Mech-Design Engg.	4	Nil
19	Mr. Shelake A.S.	M.E	Asst. Prof.	Mech-Design Engg.	5	Nil
20	Mr. Patil S.J.	M.E.	Asst. Prof.	Heat Power	3	Nil
21	Mr. Topugade R.M.	M.E.	Asst. Prof.	Mech-Design Engg.	2	Nil

11. List of senior visiting faculty

No

12. Percentage of lectures delivered and practical classes handled
(programme wise) by temporary faculty

No

13. Student -Teacher Ratio (programme wise) UG – 19.77 : 1 PG- 7 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned: 14 including workshop Filled: 08 Peon: 03 (including Workshop)
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
P.h. D. - 01
M.E./ M. Tech - 20
16. Number of faculty with ongoing projects from
a) National Nil
b) International funding agencies and grants received
17. Departmental projects funded by : Nil
DST - FIST; UGC, DBT, ICSSR, etc.
and total grants received
18. Research Centre /facility recognized by the University: NA
19. Publications:
 - * a) Publication per faculty: 2.14
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students international journal paper – 33 , national conference: 07, international conference 07
 - * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 20
 - * Monographs : 01
 - * Chapter in Books : --
 - * Books Edited : --
 - * Books with ISBN/ISSN numbers
with details of publishers : 08
 - * Citation Index :

- * SNIP :
- * SJR :
- * Impact factor :
- * h- index :

20. Areas of consultancy and income generated : Stress analysis, vibrations. Rs.29000/-
21. Faculty as members in
- a) National committees : ISTE-10, ISHRAE-02
 - b) International Committees : Nil
 - c) Editorial Boards: Nil
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme: 40%
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:60%
23. Awards / Recognitions received Nil
by faculty and students :
24. List of eminent academicians and scientists / visitors to the department:

Sr. No.	Name	Organisation
1	Dr. A.S. Padalkar	Principal, Flora Institute of technology ,Kopi Pune
2	Dr. D.G. Thombare	Dean, Students Welfare , RIT Sakhrale
3	Mr.S.S.Vathare	M.D. Atlanta Metallurgical Services ,Kolhapur

25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National : Green Technology ,2015-2016 , Rs. 25000.
 - Piping Design, 2016-17, Rs.8000
 - Seminar : Industrial Metallurgy, 2016-17 Rs .1000

b) International : NO

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Mechanical	38	38	34	4	86

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Mechanical	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	10%
• Other than campus recruitment	25%
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

- a) Library : 37 books
 b) Internet facilities for Staff & Students : 40 PC and wi-fi facility
 c) Class rooms with ICT facility : 02 Seminar Hall: 01

Sr.No.	Location of Classroom	Area (Sq. Mt.)
1	C206	92.49
2	C208	78.63
3	C209	93.42
4	A302	78.2
5	A303	78.63
6	B203 (PG Classroom)	83.72

Sr.No.	Location	Area (Sq. Mt.)
1	B202 (TUTORIAL ROOM)	35.8
2	B201 (PG COMPUTER AND TUTORIAL ROOM)	51.84
3	A301 (DRAWING HALL)	107.6
4	C201 (HOD OFFICE)	120
5	C202 (SEMINAR HALL)	132.83

d) Laboratories : 15

Sr.No.	Name of Laboratory	Area	Total Investment (Rs)
1	Thermodynamics	80 Sq. Mt.	Rs 1,71,408.00
2	Mechatronics		Rs 3,49,509=00
3	Fluid Mechanics (Sharing)	77.13 Sq. Mt.	Rs 8,93,397=00
4	Fluid & Turbo Machinery	77.12 Sq. Mt.	Rs 15,95,044=00
5	Heat & Mass Transfer	79.47 Sq. Mt.	Rs 1,66,809=00
6	Industrial Fluid Power	79.83 Sq. Mt.	Rs 7,14,375=00
7	CAD/ CAM	79.87 Sq. Mt.	Rs 13,46,859 =00
8	Manufacturing Process	79 Sq. Mt.	Rs 1,62,750 =00
9	Metallurgy	79.47 Sq. Mt.	Rs 4,79,030=00
10	Metrology & Quality Control		Rs 3,44,064=00
11	Refrigeration & Air Conditioning	84.50 Sq. Mt.	Rs 8,49,456=00
12	Computer Integrated Manufacturing	70.00 Sq. Mt	Rs 14,09,000=00
13	Vibration & ESA	83.72 Sq. Mt	Rs 11,70,629=00
14	Basic Mechanical Engineering	77.13 Sq. Mt	Rs 63947=00
15	Project & Research Laboratory	66.32 Sq. Mt	— —
	Total		Rs 97,16,277=00

Apart from this the department is equipped with Central Workshop facility which is as below:

Sr.No.	Name of Section	Area (Sq. Mt.)	Total Investment
1	Machine Shop	241.96	3173328
2	Welding Shop	77.13	99523
3	Carpentry Shop	77.13	212596
4	Fitting Shop	206.82	139734
5	Smithy Shop		122337
6	Sheet Metal Shop	77.12	86748
		Total	3834266

31. Number of students receiving financial assistance from college, university, Government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts-
- 1) Entrepreneurship Development Program
 - 2) One week hands on SDP on PLC automation
 - 3) Two day workshop on piping Design
 - 4) One day seminar on Software awareness program (3D studio MAX)

33. Teaching methods adopted to improve student learning:

- Conventional classroom teaching
- Use of audio video aids
- Power point presentation
- NPTEL videos

34. Participation in Institutional Social Responsibility (ISR) and Extension activities Blood donation camp -02

Indoor Decorative Plantation at various prominent locations of the department.

35. SWOC analysis of the department and Future plans

SWOC

STRENGTH:

1. Good blend of experienced and young faculty members.
2. Good infrastructure and laboratories.
3. Good academic ambience.
4. Highest student strength in the entire institute.

WEAKNESSES:

1. Inadequate staff student ratio
2. Lack of women faculty to understand problems of girl students
3. Poor communication skill among students

OPPORTUNITIES:

1. Motivate faculty for higher studies
2. To fetch grant for research project from funding agencies.
3. Improve communication and presentation skills among students.
4. To encourage students for higher studies and research.

CHALLENGES:

1. More industry institute interaction
2. Funded research projects
3. Acquire academic excellence at university level
4. Increase in research publications

FUTURE PLANS

1. To get NBA accreditation
2. To start new P.G. programs in Production and Thermal Engineering
3. To enhance and develop departmental library.
4. To enhance R&D and consultancy activity.

Basic Sciences & Humanities

1. Name of the Department : **Basic Sciences & Humanities**
2. Year of Establishment : 2009-10
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : NA
4. Names of Interdisciplinary courses and the departments/units involved : NA
5. Annual/ semester/choice based credit system (programme wise) : Semester System
5. Participation of the department in the courses offered by other departments :
 - Mathematics faculties participates in teaching Engineering Mathematics of all departments
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL
7. Details of courses/programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	06	07

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr. No.	Name of Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. Patil Vishal A.	M.Sc. Ph. D. (Chemistry)	Assistant Professor & H.O.D.	Organic Chemistry	06	NA
2	Mrs. Lavate Suparna S.	M.Sc. NET (Mathematics)	Assistant Professor	Applied Mathematics	08	NA
3	Mr. Shirgaonkar Deepak B.	M. Sc.M.Phil (Physics)	Assistant Professor	Modern Optics	12	NA
4	Miss Khan Nilofer G.	M. Sc.M.Ed. M.Phil (Mathematics)	Assistant Professor	Applied Mathematics	09	NA
5	Miss Khan Nasrin G.	M. Sc.B.Ed (Mathematics)	Assistant Professor	Applied Mathematics	07	NA
6	Mr. Koli Amol L.	MA (English)	Assistant Professor	Literature , Communication Skills	07	NA
7	Mr. Patil Vikram B.	M. Sc. (Mathematics)	Assistant Professor	Applied Mathematics	05	NA

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise)
by temporary faculty: 71.43 % Calculated only for Basic Sciences & Humanities Subjects.

13. Student -Teacher Ratio (programme wise): 19:1 based on actual intake

Number of Students	Number of Teachers
360	07+12*= 19

* Faculty from main engineering branches

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical Staff	01	01
Administration Staff	00	00

15. Qualifications of teaching faculty with D.Sc. / D.Litt. / Ph.D. / M.Phil. / PG.

Ph.D.	01
Ph. D. Pursuing	02
NET, SET Qualified	01
M. Phil.	02
PG	03

16. Number of faculty with ongoing projects from :NIL
 a) National
 b) International funding agencies and grants received
17. Departmental projects funded by :NIL
 DST - FIST; UGC, DBT, ICSSR,
 etc. and total grants received
18. Research Centre /facility :NIL
 recognized by the University

19. Publications:

- * a) Publication per faculty
- * Number of papers published in peer reviewed journals (national / International) by faculty and students

Sr. No.	Name of Faculty	International Journal	National Journal	International Conference	National Conference
1	Dr. Patil Vishal A.	11	00	04	05
2	Mr. Shirgaonkar Deepak B.	01	00	00	01

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) = 11

* Citation Index (Google scholar):

Dr. Patil Vishal A. = 14

* Impact factor

Sr. No.	Name of Faculty	Impact Factor
1	Dr. Patil Vishal A.	$1.578+0.772+0.355+0.350+0.269+0.256 = 3.58$
2	Mr. Shirgaonkar Deepak B.	0.507

*h-index

Dr. Patil Vishal A. 02

20. Areas of consultancy and income generated NA

21. Faculty as members in

- a) National committees
- b) International Committees
- c) Editorial Boards.... NIL

22. Student projects NA

- a) Percentage of students who have done in-house projects including inter Departmental/programme
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies
23. Awards / Recognitions received by faculty and students
Waychal Akshay, Jamadar Ayub & Patil Akshay has won Second Prize in “EUREKA-2K14” National Level Paper Presentation Competition held at TKIET, Warnanagar
24. List of eminent academicians and scientists / visitors to the department
25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International = NA
26. Student profile programme/course wise:

Academic Year	Name of the Course/programme	Enrolled	Enrolled		Pass percentage
			*M	*F	
2015-16	FE	164	111	53	60.37
2016-17	FE	119	99	20	Result Awaiting

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
FE	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

`GATE: 04 = NA

29. Student progression = NA

30. Details of Infrastructural facilities

a) Library

Number of Titles	Number of Volumes	Journals
307	1024	06

b) Internet facilities for Staff & Students

Name of the Internet provider: AIRTEL

Available bandwidth: 100 Mbps

Contention Ratio 1:1

c) Class rooms with ICT facility: 06

Sr. No.	Name of Classroom	Allotted Rooms	Area sq.m
1	FE-A	A-301	107.50
2	FE-B	A-302	79.29
3	FE-C	A-303	78.63
4	FE-D	A-304	66.32
5	FE-E	C-410	79.20
6	FE-F	C-411	87.43
7	FE Tutorial Room 1 & 2	C-412/1 C-412/2	79.47

d) Laboratories

Name of Laboratory	Area in sq.m	Investment (In Rupees)
Engineering Chemistry	146.40	321423
Engineering Physics	89.27	257395
Language lab	58.69	616175

31. Number of students receiving financial assistance from college, university, government or other agencies: NA (This data is made available in department wise record)
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts
- Orientation Program by “CAMPUS FOR YOU ”
33. Teaching methods adopted to improve student learning

Sr. No	Teaching methods
1	Chalk & Talk
2	Power point Presentation
3	Models Demonstration

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

1	Independence Day celebration	15 th Aug. 2014
2	Republic Day celebration	26 th Jan 2015
3	Blood Donation Camp	13 th March 2015
4	Tree Plantation	21 st July 2015
5	Independence Day celebration	15 th Aug. 2015
6	Republic Day celebration	26 th Jan 2016
7	Marathi Bhasha Din	27 th Feb. 2016
8	Cleaned College Campus	03 rd March 2016
9	Rally on “Beti Bachao, Beti Padhao”	08 th March 2016
10	Blood Donation Camp	13 th March 2016
11	Balidaan Din	9 th April 2016

35. SWOC analysis of the department and Future plans

SWOC

STRENGTH:

5. Experienced, young & dynamic faculty members.
6. Good infrastructure and laboratories
7. Good environment for learning.
8. Encouragement for continuous teaching learning

WEAKNESSES:

1. Less number of supporting nonteaching staff.
2. Lack of departmental library
3. Scarcity of qualified senior faculty such as Professors and Associate Professors
4. poor quality of students

OPPORTUNITIES:

5. Motivate faculty for higher studies
6. To grant research project for department
7. To organize English language enhancement programs for students

CHALLENGES:

1. To improve first year examination result.
2. To increase number of admission to first year.
3. Develop departmental library
4. Attract bright and meritorious students.

FUTURE PLANS:

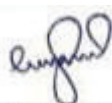
1. Conduction of co-curricular activities for first year students.
2. Acquire academic excellence at university level
3. Increase in research publications

DECLARATION BY HEAD OF INSTITUTE

I certify that the data included in this Self Study Report (SSR) is true to the best of my knowledge. This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced. I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Date : 23/12/2016

Place : Panhala



PRINCIPAL
Sanjeevan Engg. & Tech. Institute,
Somwar Peth, Panhala.



ESSENCE OF SETI



Dynamic Personality
of Sanjeevan

Inter zonal
Volley Ball



MOU with
TATA Technologies LTd.

Entrepreneurship
awareness
program



ESSENCE OF SETI



Best paper
Award

Women
Health
awareness
program



NSS
Activity

Award in
NES
innovation



ESSENCE OF SETI



National Level
Technical Event

Annual
social
function



Blood Donation
Camp

Tree
plantation



Association with Professional Bodies



OUR RECRUITERS	
Persistent	Hind Gears Pvt., Ltd
DAS Offshore	Trendy Wheels
Deo Associates	Kelsons Engineering's & Fabricatore
Mithi Software Pune (MNC)	Unique Automobile
Hewlett-Packard (HP)	XL-Dynamics
A S Mollobhoy	Unique Auto (Services)
L&T Infotech	Ghatge Groups
Acty System India Pvt. Ltd.	Bharat Electrical
Webtech	Tribro Softech
Nitor Infotech	Abhijeet Industry Pvt. Ltd.
QED Enabled Services Pvt. Ltd.	Zensar
Mphasis	DB Software
Cognizant	Allied Softech
Microcare Pvt. Ltd.	Ajay Locomotive
Varahi	Jaihind Automation
Triveni Turbines	Flexon Cables
Accord Software	Sound Casting
Savya Softwares	Prabha Industries
Syntel	Raining Cloud Tech.
TCS	Positech Solutions
Sankalp Semiconductors	Prima
Astral Informatics Pvt. Ltd	Mayura Steels
Flextronics Technologies	Proto Tech Solutions
Prima Pvt. Ltd, Ranjangao	Ghatge Developers
Quality Kiosk	BOSCH
Enigma Software's	Yash Metallic's
IBM	Perennial System
Clover Infotech	Technolink Services
Adecco India	Grace Works
MicroLand (Escan)	Dalmia Cement
Chaitanya Software Technologies	Eureka Forbes
Manugraph	Modi Hyundai

Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

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