

Annual Quality Assurance Report (AQAR) :2017-18

Submitted to



**National Assessment and Accreditation Council (NAAC)
Bangalore**

Submitted by



**KJ's Educational Institutes
TRINITY ACADEMY OF ENGINEERING
Kondhwa (Bk), Pune.**

S. No. 25 & 27, Kondhwa-Saswad Road, Kondhwa (Bk), Pune-411048.

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Website: <http://www.kjei.edu.in/tae>, Email: iqac.tae@kjei.edu.in

The Annual Quality Assurance Report (AQAR) of the IQAC

(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution

1. Name of the Institution: KJEI's Trinity Academy of Engineering

- Name of the Head of the institution : Dr. N. J. Uke
- Designation: Principal
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no.: 8446091199
- Mobile no.: 9850035805
- Registered e-mail: principal.tae@kjei.edu.in
- Alternate e-mail : nileshuke.tae@kjei.edu.in
- Address : S.No.25&27, Kondhwa-Saswad Road, Kondhwa Annex, Pune.
- City/Town : Pune
- State/UT : Maharashtra
- Pin Code : 411048

2. Institutional status:

- Affiliated / Constituent: Affiliated
- Type of Institution: Co-education/Men/Women: Co-education
- Location : Rural/Semi-urban/Urban: Rural

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing
(Please specify): Self financing
- Name of the Affiliating University: SPPU
- Name of the IQAC Co-ordinator : S. S. Deshmukh
- Phone no. : - 7021687746
Alternate phone no:-
- Mobile: 9881258914
- IQAC e-mail address: iqac.tae@kjei.edu.in
- Alternate Email address: satishdeshmukh.tae@kjei.edu.in

3. Website address: <http://www.kjei.edu.in>

Web-link of the AQAR: (Previous Academic Year): NA

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: Yes

Weblink: http://www.kjei.edu.in/tae/IQAC/AcademicCalender2018Term2_4.pdf

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.02	2017	from:2017 to: 2022

6. Date of Establishment of IQAC: 12/10/2014

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Regular meeting of Internal Quality Assurance Cell (IQAC) were conducted	28/07/2018, 31/07/2018 and 2/11/2018	10
Feedback from students were collected, analysed and used for improvement in academics	Twice per semester	About 90% Students
Participation in NIRF	Yes	-
Aptitude training sessions conducted for students	20/08/2018 to 08/09/2018, 100Hrs.	180
Faculty development program on New Age Learning in 21 st century	17/10/2018	147
Promoted research and development activities	Yes	All students and faculty
Established NPTEL local chapter	Yes	All students and faculty

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

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
NA	NA	NA	NA	NA

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes
Uploaded latest notification of formation of IQAC

10. No. of IQAC meetings held during the year: 3

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

Yes/No: Yes

http://www.kjei.edu.in/tae/IQAC/IQAC_MEETING.pdf

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? No

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

- Aptitude improvement training sessions conducted for students
- Faculty development program on New Age Learning in 21st century
- Promoted research and development activities
- Established NPTEL local chapter

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

Plan of Action	Achievements/Outcomes
To Encourage meritorious faculty, employees and students by presenting them with awards prizes and recognition certificates	Institute has given academic awards, best teacher's award. The meritorious students were given medals, prizes and certificates during the annual fest of the institute.
To collect feedback from students on quality parameters related to curriculum, teaching learning and evaluation process.	The feedback from students in each department are collected twice a semester and analysed. Consolidated reports were sent to the departmental heads for communicating & discussing the results with the teachers.
To collect feedback from parents and alumni	Feedback were collected on sample basis and analysed. The consolidated report were placed before the management for effective implementation of the suggestions received From them.
To create quality awareness	The IQAC has conducted quarterly meetings under the chairmanship of the Principal and detailed plans and programmes were formulated for quality awareness.
Development Programmes	<ul style="list-style-type: none"> • STP conducted for students on Placement opportunities and Aptitude. • FDP on New Age Learning in 21st century.
Online Certification courses	Established NPTEL and SWAYAM Local Chapter
Fulfilling social responsibilities	Donations to Kerala Relief Fund under CSR.
Participation from stakeholders	<ul style="list-style-type: none"> • Principal of the institute continuously interacts with the students to discuss various aspects. • Alumni meetings are arranged, annual alumni meet organized to discuss and enhance wholesome education and development. • Parents meet is organized and feedback is collected and analysed.
Promoting Research and Development through funded projects	<ul style="list-style-type: none"> • 5 no's of research proposals sent to SPPU, Pune under ASPIRE scheme • 2 proposals for organizing STTP submitted to AICTE under AQIS 18-19.

14. Whether the AQAR was placed before statutory body? Yes /No: No

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

Yes/No: No

Date: NA

16. Whether institutional data submitted to AISHE: Yes/No: Yes

Year: 2017-18

Date of Submission: 02/03/2018

17. Does the Institution have Management Information System?

: No.

But in place of MIS, the institute has separate computer-based information systems:

- Accounting in the institute is fully operated through Tally.
- Admin Section is available for students to approach for their own issues regarding college activities.
- Library is completely handled using software Slim 21 (3.4.0), where students can access and issue books from library.
- We do have an Academic Monitoring in the institute through which all HOI and heads of departments are been updated with the strength of students in the class, Results, Timetable, Placements etc.
- Twice in every semester we do take Students Feedback online for understanding student's satisfaction for that respective subject teacher and college.

Part-B

CRITERION I CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 Institution has the mechanism for well-planned curriculum delivery and documentation.

KJEI's Trinity Academy of Engineering (TAE) is affiliated to the Savitribai Phule Pune University and follows the curriculum provided by the university. The institute implements a standard process of planning of the curriculum delivery. The institute ensures that the curriculum objectives are achieved through teaching - learning process.

The faculty of the institute are encouraged for active participation in the syllabus design on Board of Study (BoS) meetings held by Savitribai Phule Pune University (SPPU). These meetings points are circulated to all the faculty members and interaction of faculty with experts from the various institutions is successfully achieved.

Our institute has organized the various faculty development Programs/ Workshops/ Short Term Programs on effective syllabus implementation also participation in the all above activity conducted by any other institutes.

We conduct industrial visits which help students to get curriculum feedback and to know more about skills and techniques required to develop. According to that we inculcate and update students as well as faculties. Students those are weak in studies, institute conducts extra classes / practical to cope up their needs. Apart from courses in program affiliated to SPPU, institute offers value added certificate courses. Institute organize certified government skill development programs in the campus.

To enrich the curriculum delivery the institute organize various events like Industrial Visits, Guest lectures, Expert lectures, Workshops, Value Added Programme etc.

Institute has formed different Cells to enhance the social and economic relevance of the Course like Industry Institute Interaction Cell(IIIC), Training and Placement Cell(T&P), Technology Business Incubation Centre (TBI) ,Research and Development Cell (R & D),Entrepreneurship Development Cell(EDC), Higher Education Cell(HEC), Corporate Social Responsibility Cell(CSR), Competitive Examination Cell , Environmental Club to enhance student's skill.

We have teacher guardian (TG) scheme which monitor student's progress and council and guide them personally. Their personal & professional life is been counselled one to one.

The students are motivated to participate in various social events through NSS, activities like Blood Donation Camp; visits to Orphanage and Clean up March to develop responsibility towards social, ethical and environmental.

Institute organizes social useful activities like Environmental education, Awareness Programs, like Anti Raging, Traffic Awareness, and Pollution Awareness etc.

The institute organizes various cultural and sport activities to enhance the extracurricular activities of the students which increase their confidence level.

Through above mentioned activities, the students understand their responsibility towards family and society which helps to develop healthy generation of nation.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year.

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	Focus on employability/ entrepreneurship	Skill development
Rivet software	-	11/7/2017 Duration – 30 Hrs	Employability	Got Hand On Training
Microsoft project management		25/7/2017 Duration – 35 Hrs	Employability	Enriched with software application
Hit office-ERP	-	2/2/2018 Duration – 40 Hrs	Entrepreneurship	Boosted knowledge and gave practical application
Project Design Development using Raspberry Pi		29 /3/ 2018 Duration -30 Hrs	Employability	Got idea of use of Raspberry pi in Mechatronics applications

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
-	-	-	-

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
B.E. Civil	4	-	12 June 2017	-	-
M.E. Civil	-	3	20 Sep 2017	-	-
B.E. Computer	4	-	12 June 2017	-	-
B.E. E&TC	4	-	12 June 2017	-	-
B.E. Mechanical	4	-	12 June 2017	-	-
M.E. Mechanical	-	3	20 Sep 2017	-	-

Already adopted Credit-Grade based performance and assessment system will be implemented with effect from June 2015 onwards for all the Under Graduate Programmes (UG) and from June 2017 onwards for all the Post Graduate Programmes (PG).

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

	Certificate	Diploma Courses
No of Students	161	-

1.3 Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
IOT using Raspberry pi	15/01/2018	26
Project Design Development using Raspberry Pi	29/03/2018	55
Altair optimization Webinar	19/03/2018	45
Workshop on Tool Engineering	08/09/2017	8
Rivet software	11/07/2017	38
Microsoft project management	25/07/2017	35
Hit office-ERP	02/02/2018	33
TE Aptitude Test	22/03/2018	28
Test for TSSC Internship	29/03/2018	19
Seed Idol Test	12/02/2018	60

1.3.2 Field Projects / Internships under taken during the year.

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Design the single axis stepper motor controller system (Savita Pvt. Ltd.)	1
Solar Based Inverter 230V/50Hz 2Amp (Savita Pvt. Ltd.)	3
Alarm System using TFT. (Savita Pvt. Ltd.)	1
Design and development of manufacturing process for producing Screw Cap	1
Foldable Smart Helmet	3
Optimization of Inline gearbox on the basis of cost and performance	3
Implementation of Smart watch with safety feature(Coderoot InfoTech)	4
MRI Images classification to detect brain cancer using Deep learning(PHN Technologies)	4

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	No	No	Yes	Yes

1.4.2 How the feedback obtained is being analysed and utilized for overall development of the institution?

Centralized transparent Online Student Feedback System:

The effectiveness of faculty members in content delivery and assessment are evaluated by students through the online feedback system twice in semester. Department Academic Monitor, Head of the Department and subject in-charges analyze the feedback, and then take the corrective actions. Appreciation letters are given to the faculties and staff based on their performance. The parameter to which the feedback is provided is as follows: Providing study material (Question Bank, Lesson Plan etc.) in advance, faculty coming to the class on time and engaging classes regularly, faculty's ability to explain concept and presentation on the subject area, faculty's ability to interact with students in the class, ability to take class audibly and clearly, completion of syllabus etc.

Stakeholders Feedback:

The institute collects feedback from stakeholders for enriching the curriculum in following manner.

- Mid-semester and End-semester online feedbacks are taken from students.
- Alumni feedback is taken during Alumni meet.
- Feedback is taken from recruiters when they come for campus recruitment.
- Parent's feedback is taken during parent's meet.

The inputs are obtained from stakeholders regularly and further used for enriching the curriculum that helps in increasing the competency of the students. These feedbacks are conveyed to respective HODs and required actions are taken for the same.

CRITERION II TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Program		Number of seats available	Number of applications received	Students Enrolled
Civil Engineering	FE	60	37	19
	DSE	114	114	114
Computer Engineering	FE	60	46	28
	DSE	63	23	17
E & TC Engineering	FE	120	4	0
	DSE	141	4	4
Mechanical Engineering	FE	120	34	11
	DSE	250	98	79
ME in Construction Management		24	19	13
ME in Design Engineering		24	3	3

2.2 Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-2018	331	16	74	0	10

2.3 Teaching - Learning Process

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

Number of teachers on roll	Number of teachers using ICT (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
74	74	1. Power point Presentations 2. NPTEL Videos 3. Transparencies 4. Documentation tools like Latex, Word 5. Google apps for education 6. Different videos for effective learning	20	Initiated smart classrooms	1. ELR system which includes all e-learning resources: Every department has study material (Like subject notes, ppts, videos, question bank, question papers etc.). It shared to all students by faculties. 2. Moodle for conducting online exams 3. Social Networking 4. Web resources 5. Educational Blogs 6. E- Journals 7. Computer Assisted Learning

2.3.2 Students mentoring system available in the institution? Give details.

A TG- Teacher Guardian scheme is the effective student mentoring system which is followed rigorously in institution. For every faculty 20-24 students are allocated. A faculty takes care of student's academics, attendance and in teacher guardian booklet every record of student is kept. Student's parent is informed time to time about their attendance by SMS or letters. Student's problems are solved by conducting regular monthly meetings between mentor and mentee. This system bridge the gap between the teachers and students.

This scheme is also adapted for value additions in students like:

- To create better environment in college, where students can approach teachers for both educational and personal guidance.
- To enhance knowledge base for both teachers and students alike, due to effective two-way communication.
- To make students aware and support for the exams like GATE, GRE, CAT, PSUs etc.
- To motivate for higher studies and entrepreneurship.

- To provide advice and support for improvement in academic performance & personal problems.

Personalized professional /career advice is given to the mentee.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
1104	74	1:20

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with PhD
99	77	22	14	4

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

Year of award (2017-18)	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018-19	Prof. Dr. N.J.Uke	Principal	Effective Administrator Distinguished Researcher & Proud Teacher

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year.

Programme Name	Programme Code	Semester / year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
Civil Engineering	SE DSE	I	12 June 2017 to 22 Sept 2017 21 August 2017 to 22 Sept 2017	04/02/2018
	TE	I	12 June 2017 to 22 Sept 2017	09/02/2018
	BE	I	12 June 2017 to 22 Sept 2017	16/01/2018
	SE	II	18 Dec 2017to 25 March 2018	23/07/2018
	TE	II	18 Dec 2017to 25 March 2018	12/07/2018
	BE	II	18 Dec 2017to 25 March 2018	04/07/2018

Computer Engineering	SE DSE	I	12 June 2017 to 22 Sept 2017 21 August 2017 to 22 Sept 2017	04/07/2018
	TE	I	12 June 2017 to 22 Sept 2017	09/07/2018
	BE	I	12 June 2017 to 22 Sept 2017	16/01/2018
	SE	II	18 Dec 2017to 25 March 2018	23/07/2018
	TE	II	18 Dec 2017to 25 March 2018	12/07/2018
	BE	II	18 Dec 2017to 25 March 2018	04/07/2018
FE	FE	I	1 Aug 2017 to 15 Nov 2017	22/01/2018
	FE	II	1 Jan 2018 to 6 April 2018	23/06/2018
E&TC Engineering	SE DSE	I	12 June 2017 to 22 Sept 2017 21 August 2017 to 22 Sept 2017	04/02/2018
	TE	I	12 June 2017 to 22 Sept 2017	09/02/2018
E&TC Engineering	BE	I	12 June 2017 to 22 Sept 2017	16/01/2018
	SE	II	18 Dec 2017to 25 March 2018	23/07/2018
	TE	II	18 Dec 2017to 25 March 2018	12/07/2018
	BE	II	18 Dec 2017to 25 March 2018	04/07/2018
Mechanical Engineering	SE DSE	I	12 June 2017 to 22 Sept 2017 21 August 2017 to 22 Sept 2017	04/02/2018
	TE	I	12 June 2017 to 22 Sept 2017	9 Feb 2018
	BE	I	12 June 2017 to 22 Sept 2017	16/01/2018
	SE	II	18 Dec 2017to 25 March 2018	23/07/2018
	TE	II	18 Dec 2017to 25 March 2018	12/07/2018
	BE	II	18 Dec 2017to 25 March 2018	04/07/2018

2.5.2 Reforms initiated on Continuous Internal Evaluation (CIE) system at the institutional level.

Assessment of performance is an integral part of teaching and learning process. As a part of sound educational strategy, the institution adopts system to assess all aspects of a student's development on a continuous basis throughout the year.

Orientation on Evaluation Process: Students are made aware of the evaluation process through the following initiatives:-

1. The orientation programmes at the beginning of the semester through public address system of the institute
2. Teaching plan contains evaluation procedures
3. Academic calendar with continuous internal evaluation exam dates
4. Orientation on changes and amendments in the evaluation process through tutorial meetings
5. Display the evaluation sheets on the college and departmental notice board.

Result Analysis & Review Meeting: Result Analysis is done by faculty after every test. Pass percentage of each course is calculated by dividing the total number of students appeared and

passed in each course. The performance of the students is monitored by the principal and the necessary feedback is given to the concerned faculty members. The principal conducts review meetings department wise to give necessary feedback for the improvement of student's performance.

Progress Reports & Parents Meetings: The institution keeps on monitoring the performance of the students and send reports to the parents. Progress Reports are sent by the tutors to the parents after each of the test. Parents/Guardians are advised to note the performance of their wards and take remedial measure if needed. Whenever necessary, the tutor shall recommend the visit of the parent to the college for a discussion about the student.

Communication with student and Parent: class teacher, subject teacher, and guardian faculty send message or notice to the students and parent through email, sms, what's app on student faculty group. Remedial classes: remedial classes are conducted for the slow learners, absentees and the students who participate in Sports, NSS activities and Placement Interviews. This practice helps struggling learners to update their subject knowledge and helps them to catch up with their peers.

External examinations: External examinations of two and half hours duration will be conducted at the end of every semester for all the theory papers. Students should satisfy the eligibility criteria of 75% attendance in each semester to appear for University Examination.

2.5.3 Academic calendar prepared and adhered for conducting of Examination and other related matters.

SPPU announces schedule of whole academics of every semester before commencement. With respect to that announced schedule , academic calendar of institution is prepared for undergraduate as well as postgraduate courses before commencement of every semester and consists of commencement of instructional activity, declaration of In Semester Examination (ISE) plans of department, mid-review of attendance and defaulter list, schedule of SPPU examination and tentative schedule of End-semester examinations, review of performance of ISE, schedules of seminar, project work and PG dissertation work, end of instructional activity , declaration of ISE and test results. It is displayed on departmental notice boards. Subject loads are allocated to faculty members well before advance so that they could make the plans. Every faculty member prepares teaching plan for each theory and laboratory courses before the start of the semester. Academic calendar is the back bone of various teaching-learning plans prepared before start of every semester. Teaching plan includes unit wise number of lectures to be conducted, content of syllabus to be covered etc.

As per the review of Internal Quality Assurance Cell (IQAC), we monitor the teaching learning process. Continuous counselling through departmental meetings, student's feedback on teaching-learning activity, conducting brain storming activity in the meetings for different teaching strategies is planned in academic calendar.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution.

The course outcomes of all the subjects under all offered programs are stated and maintained in their respective course files and displayed in website of institution too.

http://www.kjei.edu.in/tae/academics/Degree/department/mech/mech_dept_obj.html -

Mechanical Dept.

http://www.kjei.edu.in/tae/academics/Degree/department/comp/comp_dept_obj.html - Computer Dept.

http://www.kjei.edu.in/tae/academics/Degree/department/civil/civil_dept_obj.html - Civil Dept.

http://www.kjei.edu.in/tae/academics/Degree/department/entc/entc_dept_obj.html - E&TC Dept.

2.6.2 Pass percentage of students.

Department	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination					Pass Percentage
			Dist.	I	Higher II	II	PAS S	
Civil Engineering	SE	128	4	8	9	16	32	89.84
	TE	143	5	8	4	11	1	80.42
	BE	95	27	36	20	7	2	100
Computer Engineering	SE	33	9	2	2	0	0	93.9
	TE	36	7	10	0	0	0	82
	BE	40	18	14	5	1	0	100
E &TC Engineering	SE	9	1	1	0	0	0	77.77
	TE	16	2	4	4	3	3	75
	BE	25	10	11	2	1	1	100
Mechanical Engineering	SE	96	1	2	1	2	0	76
	TE	258	14	17	18	0	0	88
	BE	124	49	40	9	0	0	100
FE	FE	54	2	7	0	2	33	61.61

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire).

Web-link: <http://www.kjei.edu.in/tae/IQAC/Student%20Satisfaction%20Survey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	1	1. Kudale Consultancy Services 2. CoderoorInfotech Pune 3. PHN Technology Pvt Ltd 4. Extncore Solution PVT. LTD.	35000	35000
Projects sponsored by the University/ College	2	BCUD Pune.	138000	16815
Students Research Projects (other than compulsory by the College)	1	KJEI, TAE	56900	56900
International Projects	-	-	-	-
Any other(Specify)	1	Jalyukt ShivarYojana_ Third Party Audit Government of Maharashtra	1100000	1100000
Total Rs.			1329900	1173715

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Workshop: Use of Internet of the things(IOT)	E & TC Engg.	12/1/2018
Workshop: "Aurdino for Beginners"	E & TC Engg.	31/3/2018
Seminar: Human Resource Development	E & TC Engg.	31/3/2018
Seminar: "Tool Engineering"	Mechanical Engg.	08/09/2017

Workshop: Fast Fourier Transform	Mechanical Engg.	8/7/2017
STTP - "Project Design and Development using Raspberry Pi" in association with ELECTROSE, Pune,	Mechanical Engg.	29 to 30/03/2018
Seminar: "Guidance of Linux OS & Apache"	Computer Engg.	30/08/2017
Workshop: " Software Defined Network"	Computer Engg.	10/01/2018
Workshop: "Basics of Java"	Computer Engg.	27 to 28/2/2018
Workshop: "Recent Market Trends"	Computer Engg.	19 to 20/03/ 2018
Workshop: "Internet of Things"	Computer Engg.	26 to 27/03/2018
Workshop: "Hadoop"	Computer Engg.	23/03/2018
Workshop: "Web Technology"	Computer Engg.	28/03/2018
Seminar: "Artificial Intelligence"	Computer Engg.	21/09/2018
Workshop: "Android Programming"	Computer Engg.	05/10/2018
Workshop" Rivet software	Civil Engg.	11/07/2017
Workshop "Hit office ERP"	Civil Engg.	02/02/2018
Workshop" Microsoft Project management	Civil Engg.	25/07/2017

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Excellent Teacher Award	Dr. Nilesh J. Uke	MT Research and Educational Services (MTRES) in association with Buzzingg and Indian Achievers Story	15/09/ 2018	Best teachers (Nation Builders) for their special contribution in respective domain
Best Researcher Award	Dr. Nilesh J. Uke	"International Research Awards on Engineering, Science & Management", Vishakapatnam, India	20-21/07/ 2018	International Research Award
Cyber Crime Helpline Award 2017	Dr. Nilesh J. Uke	Digital Task Force & Cyber Crime Helpline at Pune	04/08/2017	Digital Task Force & Cyber Crime Helpline

Poster Presentation	Priyanka Shinde	KJEI, GRAVITY 2K18	23-24/03/2018	Winner, First Prize, State Level Project Competition
“Robosantral - An autonomus robot “	Pooja Shinde, Hrishikesh Mhasake, Aslam Sayyed	National conferences on “Recent application in distributed computing and artificial intelligence”	10/02/2018	National conferences
Automatic Answer Booklet Scanning machine	Sahesh Vichare, Sourabh Hase	TRPCS, Raisonni Group of Institutes	February 2018	Best Research Paper
Automatic Answer Booklet Scanning machine	Sahesh Vichare, Sourabh Hase	GRAVITY 2K18, KJEI	February 2018	Best Project Concept Award
Down Draft Wood Gassifire	Akshay kumar Phuge, Kiran Pawar, Dharmendra Yadav	SKN, SCOE, Pandharpur	31/03/2018	Winner, First Prize, State Level Project Competition
Down Draft Wood Gassifire	Akshaykumar Phuge, Kiran Pawar, Dharmendra Yadav	Ajinkya TechFest-2018, Dr. D.Y. Patil SOE, PSP-IP& Associates Pvt.Ltd	04/04/ 2018	2nd Prize State Level Project Competition
Down Draft Wood Gassifire	Akshay kumar Phuge, Kiran Pawar, Dharmendra Yadav	KJEI, GRAVITY 2K18	23/03/2018 & 24/03/2018	Winner, First Prize, State Level Project Competition
Comparative study of RBM & CBM	Ankit Ghulane, Hrishikesh Navaghare, Rahul Mogare	KJEI, GRAVITY 2K18	23/03/2018 & 24/03/2018	First Project Concept Award

	Vijay Gawali, P. Munjamkar			
Analysis of conventional ASP and cyclic SBR	Ashvini Deshpande, Karan Patil, Arbina Pathan, Salman Mulani	KJEI, GRAVITY 2K18	23/03/2018 & 24/03/2018	Second Project Concept Award
Development of Temperature Acquisition System	Poonam Choudhary	RGI-TRPCS-18	21/03/2018	Secured Third Position, National Level Competition

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

Incubation Centre	Name	Sponsored by
KJ'S Educational Institute Trinity Technology Business Incubation Centre Pune	"TFT Touch Screen Display for alarm System"	TAE Pune
	Torsional Vibration measurement System by using Aurdino	TAE Pune
	Development of temperature data acquisition system using thermocouple and Aurdino interface.	TAE Pune
	Down Draft Wood Gassifire	TAE Pune
	Implementation of Smart watch with safety feature	Coderoot Solutions
	MRI Images classification to detect brain cancer using Deep learning	PHN Technology
	Generation of Biogas from kitchen waste	TAE Pune
	Railway Track Fault Detector	TAE Pune

Name of the Start-up	Nature of Start-up	Date of commencement
Ameyan International (Import & Export)	Self-Funded	14/06/2018
M A Calibration (Calibrations of Mechanical & Electrical Engg Measuring Instrument)	Self-Funded	23/11/2017
1000 Pages (Online Books Sell, Purchase)	Self-Funded	12/07/2017

Solar energy plant	Self-Funded	14/06/ 2018
Sonawane Builders	Self-Funded	14/06/2018
Coderoot Solutions	Self-Funded	11/06/2018
Naswiz Retails Pvt Ltd.	Self-Funded	20/07/2018

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards: Yes

3.3.2 Ph. D awarded during the year (*applicable for PG College, Research Centre*): NA

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

	Department	No. of Publication
National	Civil Engg.	4
	Computer Engg.	0
	E & TC Engg.	0
	Mechanical Engg.	1
International	Civil Engg.	21
	Computer Engg.	19
	E & TC Engg.	5
	Mechanical Engg.	16

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

Department	No. of publication
Civil Engg.	(International Conference)=04
Computer Engg.	7 Books Published+ 15 (National/International Conference)=224
E & TC Engg.	1(National Conference)+5(International Conference)=06
Mechanical Engg.	9(National Conference)+3(International Conference)=12

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

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation mentioned in the publication	No. of citations excluding self-citations
Efficient method for detecting and tracking moving objects in video	Dr.Nilesh J. Uke	IEEE ICAECCT 2017	2017	4	Trinity Academy of Engineering	4
Design and implementation of position estimator algorithm on double flexural manipulator	Mahesh S.Shewale	ICENT 2017 IEEE	2017	0	Trinity Academy of Engineering	0
Novel machine health monitoring system	Mahesh S.Shewale	Advances in Intelligent Systems and Computing	2018	0	Indiana University-Purdue University Indianapolis	0
Design and development of XYZ scanner for 3D printing	Mahesh S.Shewale	ICNTE 2017 - Proceedings	2017	0	Department of Mechanical Engineering IUPUI, Indianapolis Indianapolis USA	0
Novel machine health monitoring system	AbhishekD .Patange	Advances in Intelligent Systems and Computing	2018	0	Trinity Academy of Engineering	0

Design and implementation of position estimator algorithm on double flexural manipulator	SharadS.M <ulik< td=""><td>ICENT 2017 IEEE</td><td>2017</td><td>0</td><td>Trinity Academy of Engineering</td><td>0</td></ulik<>	ICENT 2017 IEEE	2017	0	Trinity Academy of Engineering	0
Flexural mechanisms for high precise scanning applications: A review	SharadS.M <ulik< td=""><td>Internation al Journal of Mechanical Engineerin g and Technolog y</td><td>2018</td><td>0</td><td>Trinity Academy of Engineering</td><td>0</td></ulik<>	Internation al Journal of Mechanical Engineerin g and Technolog y	2018	0	Trinity Academy of Engineering	0
Novel machine health monitoring system	SharadS.M <ulik< td=""><td>Advances in Intelligent Systems and Computing</td><td>2018</td><td>0</td><td>Trinity Academy of Engineering</td><td>0</td></ulik<>	Advances in Intelligent Systems and Computing	2018	0	Trinity Academy of Engineering	0
Job shop scheduling with the aid of hybrid social spider optimization and gray Wolf optimization with industrial scheduling case study	KhanduB. Gavali	Internation al Journal of Mechanical Engineerin g and Technolog y	2017	0	Karpagam Academy of Higher Educati	0
Performance enhancement in job shop scheduling with the aid of hybrid social spider optimization and gray wolf optimization	KhanduB. Gavali	Internation al Journal of Applied Engineerin g Research	2017	0	Karpagam Academy of Higher Education	0

Experimental investigation of transverse shear strength of natural fiber based hybrid composite materials	Gouri A. Bodhe	Journal of Remanufacturing	2018	0	Savitribai Phule Pune University	0
Development of 12 Channel Temperature Acquisition Systems for Heat Exchanger Using MAX6675 and Arduino Interface.	Abhishek D. Patange	Lect. Notes Mechanical Engineering, Springer Nature	2018	0	Trinity Academy of Engineering	0
Development of 12 Channel Temperature Acquisition Systems for Heat Exchanger Using MAX6675 and Arduino Interface.	Sharad S. Mulik	Lect. Notes Mechanical Engineering, Springer Nature	2018	0	Trinity Academy of Engineering	0
Development of 12 Channel Temperature Acquisition Systems for Heat Exchanger Using MAX6675 and Arduino Interface.	Mahesh S. Shewale	Lect. Notes Mechanical Engineering, Springer Nature	2018	0	Trinity Academy of Engineering	0
Development of 12 Channel Temperature Acquisition Systems for Heat	Sandeep P. Nalawade	Lect. Notes Mechanical Engineering, Springer Nature	2018	0	Trinity Academy of Engineering	0

Exchanger Using MAX6675 and Arduino Interface.						
Technology Innovations, Challenges and Emerging Trends in Wearable Bio-Sensor Development	Dr. Vijay M. Wadhai	ICCUBEA 2017	2018	0	Savitribai Phule Pune University	0
Novel threshold formulation for energy detection method to efficient spectrum sensing in cognitive radio	Dr. Vijay M. Wadhai	Advances in Intelligent Systems and Computing	2018	0	Savitribai Phule Pune University	0
Cognitive depression detection methodology using EEG signal analysis	Dr. Vijay M. Wadhai	Advances in Intelligent Systems and Computing	2018	1	Savitribai Phule Pune University	1
Recent trends in energy management of wireless wearable bio sensor design	Dr. Vijay M. Wadhai	ISCO 2017	2017	1	Savitribai Phule Pune University	1
Mixed signal SoC based Bio-Sensor Node for long term health monitoring	Dr. Vijay M. Wadhai	WIECON-ECE 2016	2017	0	Savitribai Phule Pune University	0
Groundwater potential of karha river basin for watershed design	Satish S. Deshmukh	ARNP-2016	2018	0	Veermata Jijabai Technological Institute	0
Design of solar based pure sine wave inverter	Gulame, Mayuresh B.	ICCMC-2018	2018	0	Trinity Academy of Engineering	0

3.3.6 h-index of the Institutional Publications during the year. (Based on Scopus / Web of science).

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self-citations	Institutional affiliation as mentioned in the publication
Efficient method for detecting and tracking moving objects in video	Dr. Nilesh J. Uke	ICAECCT 2016	2017	2	2	SPPU
Technology Innovations, Challenges and Emerging Trends in Wearable Bio-Sensor Development	Dr. Vijay M. Wadhai	ICCUBEA 2017	2018	5	0	SPPU
Cognitive depression detection methodology using EEG signal analysis	Dr. Vijay M. Wadhai	Advances in Intelligent Systems and Computing	2018	5	1	SPPU
Novel threshold formulation for energy detection method to efficient spectrum sensing in cognitive radio	Dr. Vijay M. Wadhai	Advances in Intelligent Systems and Computing	2018	5	0	SPPU
Mixed signal SoC based Bio-Sensor Node for long term health monitoring	Dr. Vijay M. Wadhai	016 IEEE International WIE Conference on Electrical and Computer Engineering	2017	5	0	SPPU

Recent trends in energy management of wireless wearable bio sensor design	Dr. Vijay M. Wadhai	ISCO 2017	2017	5	1	SPPU
Design and Implementation of Position Estimator Algorithm on Double Flexural Manipulator	Sharad S.Mulik	ICNTE 2017 - Proceedings	2017	1	0	Trinity Academy of Engineering
Flexural mechanisms for high precise scanning applications: A review	Sharad S.Mulik	IJMET	2018	1	0	Trinity Academy of Engineering
Novel machine health monitoring system	Sharad S.Mulik	Advances in Intelligent Systems and Computing	2018	1	0	Trinity Academy of Engineering
Design and Implementation of Position Estimator Algorithm on Double Flexural Manipulator	Mahesh S.Shewale	ICNTE 2017 - Proceedings	2017	2	0	Trinity Academy of Engineering
Design and development of XYZ scanner for 3D printing	Mahesh S.Shewale	ICNTE 2017 - Proceedings	2017	2	0	Trinity Academy of Engineering
Novel machine health monitoring system	Mahesh S.Shewale	Advances in Intelligent Systems and Computing	2018	2	0	Indiana University-Purdue University Indianapolis

Novel machine health monitoring system	Abhishek D. Patange	Advances in Intelligent Systems and Computing	2018	1	0	Trinity Academy of Engineering
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3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year:

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	0	24	19	32
Presented papers	16	14	0	0
Resource Persons	0	0	7	16

3.4 Extension Activities

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

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
Blood Donation camp at TAE	R.H. Gholap Blood Bank	4	90
Blood Donation camp at TAE (Sasoon Hospital)	Sasoon Hospital	4	75
NSS Camp @ Bhivari, Saswad, Pune	NSS	3	50
Swachh Bharat "□□□□□□□□□□□□□□□□"	NSS	4	47

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

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Blood Donation	Recognition	R.H. Gholap Blood Bank	90

camp			
Blood Donation camp	Recognition	Sasoon Hospital	75

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

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Swachha Bharat	NSS	"□□□□□□□□□□□□□□□□□□□□"	4	47
Relief Fund	TAE CSR Cell	Kerala Relief Fund	4	120
Gender Equality	ICC & Gender Equality Committee	Gender based Violence	5	90
Anti-ragging	Anti-ragging Committee	Awareness of Anti-ragging	3	52
Woman Day celebration	Gender Equality Committee	“Woman Empowerment-Need of Time” and Woman Day celebration	2	50

3.5 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
Mechanical System Design Vocational Training at different firms, companies	40	Self	3 days
Java Programming by Zensar ESD	8	Institute	21 days
Soft skill Training by Zensar ESD			
Soft skill Training by Seed Infotech Pune	8	Institute	3 weeks
Cyber security Mircosoft Training by ATS	15	Self	3 days

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
Project Work	Design of solar based pure sine wave inverter	Savita Automation Tools Pvt Ltd.	June 2017- April 2018	4
Vocational Training	Mechatronics (Hydraulics & Pneumatics system)	n-GEN Controls System Pvt. Ltd.	24th to 25th March 2018	15
Internship	Python, Machine Learning, basics of Git and Soft skills	Persistent Systems Rigveda-Yajurveda-Samaveda-Atharvaveda Plot No. 39, Phase I, Rajiv Gandhi Information Technology Park, Hinjewadi, Pune	20 June -20 Dec 2018	2
Project Work	Using Machine learning to detect fake Identities: (Boats vs Human)	PHN Technology Pvt. Ltd B -Wing, Fifth Floor 411043, KK Market Rd, Mangawadi, Pune, Maharashtra 411043 Phone:090963 34755	8 Aug - 8 April 2018	4
Project Work	IoT based Bike Black box (Computer)	PHN Technology Pvt. Ltd B -Wing, Fifth Floor 411043, KK Market Rd, Mangawadi, Pune, Maharashtra	8 Aug - 8 April 2018	4

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

Organisation	Date of MoU signed	Purpose and Activities	Number of students/ teachers participated under MoUs
Ecode Networks UK	10/01/2018	Professional Activities, Workshops, Seminars, Project Guidance	76
Seed Infotech Ltd,	25/01/2018	Workshops, FDP, SSED IT Idol	32

Pune			
Seed Infotech Ltd, Pune	25/01/2018	Workshops, FDP, SSED IT Idol	18
Seed Infotech Ltd, Pune	25/01/2018	Workshops, FDP, SSED IT Idol	92
Seed Infotech Ltd, Pune	25/01/2018	Workshops, FDP, SSED IT Idol	69
Exponential Engineering Private Limited	02/07/2018	To create research environment among the students as per industry standard so that student can handle on-going projects.	25
ENGINE ENSIGHT, Pune	20/12/2017	Workshops, FDP, Training Automobile assemble & dismantle	25
Gokhale's Advanced Training Institute, Pune	22/08/2017	Online Examination Practices	25
Comfort Systems, Pune	17/07/2017	Workshops, Training for Installation & troubleshooting of AC systems	20
Ecode Networks UK	10/01/2018	Introduction to new softwares	60

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

Budget allocated for infrastructure augmentation (Rs.)	Budget utilized for infrastructure development (Rs.)
191.30 (lacs)	53.06 (lacs)

4.1.2 Details of augmentation in infrastructure facilities during the year.

Facilities	Existing	Newly added
Campus area	21886.57 m ²	Nil
Class rooms	40	Nil
Laboratories	57	Nil
Seminar Halls	4	Nil

Classrooms with LCD facilities	20	Nil
Classrooms with Wi-Fi/ LAN	40	Nil
Seminar halls with ICT facilities	4	Nil
Video Centre	1	Nil
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	50	Nil
Value of the equipment purchased during the year (Rs. in Lakhs)	144.75 (Lacs)	Nil
Others; Workshops, Library & Reading Room, Girl's & Boy's Common room, Sport- Club, Hostel (Boys), Gymnasium.	8742.77 m ²	Nil

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System –ILMS

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SLIM 21	FULLY	3.4.0	2011

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	9911	4472210	64	39602	9975	4511812
Reference Books	142	147223	-	-	142	147223
e-Books	111	-	-	-	111	-
Journals	64	179204	-	-	314	837599
e-Journals	2	500849	-	-	22	3831017
Digital Database	-	-	-	-	-	-
CD & Video	932	-	-	-	932	-
Library automation	YES	-	-	-	-	-
Weeding (Hard & Soft)		-	-	-	-	-
Others (specify)		-	-	-	-	-

4.3 IT Infrastructure

4.3.1 Technology Up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MBPS)	Others
Existing	531	15	50 MBPS	1	1	1	5	50MBPS	
Added	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	
Total	531	15	50 MBPS	1	1	1	5	50 MBPS	

4.3.2 Bandwidth available of internet connection in the Institution (Leased line): 50 MBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility (Server is created for institute)
Video recording room	ftp://172.16.0.9

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

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Dr. V.M. Wadhai	YouTube	Internet	4 th June 2017
Prof. Promod Dasturkar	YouTube	Internet	14 th Oct 2018

4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities (Rs.)	Expenditure incurred on maintenance of academic facilities (Rs.)	Assigned budget on physical facilities (Rs.)	Expenditure incurred on maintenance of physical facilities (Rs.)
2.06 (lacs)	1.52 (lacs)	4.85 (lacs)	10.45 (lacs)

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Web link: <http://www.kjei.edu.in/tae/IQAC/Policy.pdf>

The institute allocates sufficient funds for regular maintenance of the entire college facilities as per the discussion taken in the IQAC meeting. The institute reviews the requirements regarding building, furniture, class rooms, laboratory equipments, computers etc before the academic session begins and budget allocation is done taking into consideration the academic needs.

The classrooms boards and furniture facilities are utilized regularly by the students and sometime it is also made available for the other governmental and the non-governmental organizations for conducting the exams like MH-CET, JEE, NEET etc. if not in use for the said period.

The academic support facilities like library, indoor & outdoor sports and the other platforms like NSS or Competitive examination cell etc are supporting overall development of the students. All these facilities are open not only to the college students but also to the entire stakeholder in the surrounding with prior permission of the authority.

The institute has appointed a team of personnel of all kinds of maintenance staff on the payroll of the college which is duly supervised by the Registrar. The institute has appointed housekeeping staff for day to day cleaning of corridors, washrooms, classrooms, laboratories, hostels and maintenance of the premises. The cleaning and maintenance of drinking water coolers is carried out regularly.

The institute has appointed electrician for repairing and maintaining all electrical works. Laboratory equipment's are regularly maintained by the technical assistant of their respective department for minor repair or by the concerned manufacturers for major repairs. The maintenance of computing facility is carried out by the system administrator and the technical assistant.

For the repair and maintenance of civil works, a requisition slip is submitted by the Head of the Department through the Principal to the Campus Estate Manager. Final periodic checking, review and observation are done by the higher authority. The institute has allocated a budget to each department for calibration and maintenance of laboratory equipment. At the end of semester the physical verification of laboratory equipment's are carried out. The instruments which are not working those are identified and repaired by the respective vendors/service providers. The instruments are ready before the academic session begins. The day to day maintenance is carried out by the technical staff. All departmental laboratory equipments are taken up for the calibration and precision measurement as per the requirements. The activities like fumigation and keeping library clean is done frequently by library staff.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	KJEI Scholarship	47	12,08,693/-
Financial support from other sources			
a) National	Social Welfare Dept. of Maharashtra	332	1,81,99,380/-
b) International	Nil	Nil	Nil

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Personal Counselling and Mentoring -Gender based Violence	04/08/2017	125	Parineeti NGO, Mitti-ke-rang NGO
Soft Skill development	05/10/17	12	Barclays Company
Remedial Coaching	27/09/17	60	Global Talent Track
Personal Counselling and Mentoring	12/09/17 &13/09/17	146	SEED In-fotech
Youth Empowerment By Yoga	02/06/2018	100	Trinity Academy of Engineering, Pune

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

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
June-17 to June 18	Zensar ESD	NA	18	NA	1
	Parineeti foundation	NA	20	NA	2
	SEED Infotech	NA	120	NA	15
	Barclays	NA	12	NA	NA
	GTT	NA	600	NA	NA
	FUEL Test	NA	195	NA	NA
	First Naukri		221	NA	NA
	Vani Institute	100	NA	2	NA
	Insights Academy	120	NA	2	NA
	ACE Academy	80	80	0	NA

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
1	1	3

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed

Eazyfarm Agrotech India Pvt. Ltd.	20	8	Bajaj Finscr	10	1
Amazon Technology	50	7	Neeyamo Enterprise LTD	5	1
Zensor Technology	18	1	Gayatri Traders	5	1
Nihilent LTD	9	0	Idea Networks	4	1
SynerZipSofttech India Private LTD	10	0	Mantra Supply Solutions LLP	15	1
Bitwise Solutions Pvt. Ltd.	15	1	Capgemini	16	1
Infosys	50	1	Tetrapak India Pvt Ltd	1	1
Insure Fifo (Piaggio)	4	4	Opulent Infotech	13	1
Mps technology & consultancy India pvt ltd	2	2	Smartlise Technologies	5	1
German advanced internship network	4	1	Tetrapak India Pvt Ltd	1	1
Maflow India pvt ltd	5	1	Tata Communications Ltd.	2	1
			Eon IT,Kharadi	4	1
			Siddhi Construction	4	1
			Amazon Pune	5	1
			SAR Consultancy	6	1
			BIM Contractor	2	1
			ARV Constrtuction Pune	2	1
			Tilekar Construction	2	1
			Amar Developer	9	1
			Patil Construction	4	1
			Precise Precast Solution	5	1
			Rohan Builders	2	1
			Olympiadoo Holding PVT LTD Pune	2	1
			Supermiser Aqua Group	2	1
			Gratevine Mumbai	2	1
			TegaInformaticBibve wadi Pune	2	1
			Trimurti PVT LTD	2	1
			RMC Plant Balewadi	2	1

			Pune		
			Tata Motors Concorde,Pune	7	1
			Lokesh Machines Pvt. Ltd. ,Ranjangoan	10	1
			Prince Metal works	11	1
Total	187	26	Total	134	28

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Name of institution joined	Name of Programme admitted to
2017-18	VaishnaviKurahade	BE E &TC Engineering (Trinity Academy of Engineering)	Vishwakarma Institute of Information Technology	MBA
2017-18	SanapUttkarshRavikant	BE &TC Engineering (Trinity Academy of Engineering)	Sahyadri College of Engg.	Advanced Diploma In Industrial Safety
2017-18	SanketBhagare	BE E&TC Engineering (Trinity Academy of Engineering)	Pune University	MBA(Operation)
2017-18	JagtapSanket Sunil	BE Civil Engineering (Trinity Academy of Engineering)	University of Nottingham	MS in Construction Management
2017-18	MunjamkarPrafulkumarGajanan	BE Civil Engineering (Trinity Academy of Engineering)	National Institute Of Technology, Nagpur	M. Tech In Geotechnical Engineering

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

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	NA	NA
SET	NA	NA
SLET	NA	NA
GATE	2	CE18S82118145
		CE18S82121459
GMAT	NA	NA
CAT	NA	NA
GRE	NA	NA
TOFEL	NA	NA
Civil Services	2- AMVI(RTO)	PN012095 PN009480
State Government Services	1	NA
Any Other		

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year - 2017-18

Activity	Level	Participants
Women Badminton	Institute	Shubhahasta Shinde
Mens chess	Institute	Girish Yadav
Junior Cricket tournament	Institute	Akash Kapse (Man Of The Series) Pranay Gole (Man Of The Match)
Kabbadi championship	Institute	Aadesh Kale Shubham Narole Pravin Hirave Pravin Shinde Praksh Hadpad Rushikesh Navghare
Cricket (Student)	Institute	Kale Tushar Akash Kapse

		Ruturaj Kute Pranay Gole VaibhavJaptap Sagar Khaire Tejas Vhawal Raut Aditya Swaraj Shende Rajesh Nishad Vedant Dainthakae Amogh Kulkarni Kale Akash Lingaraj Patted
Cricket (Faculty)	Institute	YogeshPhatangre KondeShirish Prasad Suryawanshi Digambe rMatale D G Chavan Abhishek Shirle A C Shaikh Ankur Burade Vaibhav Augad Swapnil Mahajan M. N Chandan
Box Cricket (Womens)	Institute	SheetalJadhav SupriyaBurgul Ashwini Patil Sarika Kale Juee Gulavani Sonali Kale Sheetal Dhatrak Kaveri Katake
Table tennis &Badminton	Institute	Ajay Lole Pravin Shinde Shahid Khan Ajay Mugale Shreedhar Kamble

		AtharvDani Ganesh Kirda Mayuri Sakale Sheetal Shubastahaste Shinde Rishikesh Jamadagni Sanchit Bhikule Naeem Ahmed Sanket Borade Krishna Joshi
Football	University	PatilShubham Prashant Indrajeet G Jadhav Patil Swapnil Jagannath Kulinge Aditya Ulhas Sayad Saqlin JavedKazi Patil Pushpak Netaji Jain Vishal Sanjay Baris Aashish Shantwan Koli Pritam Prabhakar Khan Lisama Afsar BhadoleVinayakBhimashankar Rauf Khalil Patil Ingale Akshay Bapurao Kale Abhishek Dhananjay Kamble Sagar Yashwant
Handball	University	Nadaf Asadulla Shabbir Shaikh Mohammed Ruman Khalid Khan Saif Ali Yusuf Shaikh Abrar Zahdruddin Mutwalli Naeem Ahmed Murtuza Ansari Shadab Ahmed Abbas Ali Qureshi Md. Mosin Md. Naeem
Chess	University	Chavan Mahesh Vinayak Kumar Aman Manoj Yadav Girish Pradip
Cricket	University	Sanket Gunjal

		Rajesh Pawar Suraj Todkar Mayur Dahake Shubham Narole Aadesh Kale Akash Gaikwad Krishna Joshi Shubham Shinde Taraj Khan Rushikesh Navghare Vitthal Surwase Sagar Patil Rushikesh Gore Nitin Chaughule
Kabaddi	University	Shubham Narole Aadesh Kale Shubham Katke Rushikesh Navghare Prakash Hadpad Pravin Hirve Pravin Shinde Pratik Jagtap Ajit Lole Mandare
Shivjayanti	Institute	Vishal Jain Ruchika Mugdiya Lagad Pranita Seema Sharma Soniya Raju Yadav Akash Tilaram Rawat Shraddha Mankar
The Cultural Event Of KJEI-Dance	Institute	Solanki Dipesh Karbhari Rahil Patel Keval Akshay Palesha Vishal Jain Ruchika Mugdiya Lagad Pranita Seema Sharma Soniya Raju Yadav

		Akash Tilaram Rawat Shraddha Mankar
The Cultural Event Of KJEI-Drama	Institute	Lagad Pranita Mahesh Chavan Shantanu Karnwar More Balaji Tanaji Prashant Nanaware Aniket Nanotkar Mane Prithviraj J Akash Navgire Magar Gajanan Ladakathubham Karnwar Shantanu Khalade Prasad Ashab Shaikh VirajShaha Mahesh Chavan Kiran L. Pawar Avinash Kharmate
The Cultural Event Of KJEI- Anchoring	Institute	Viraj Shaha Mugdiya Ruchika
The Cultural Event Of KJEI-Singing	Institute	Choudhary Nilesh Ketan Kamble
The Cultural Event Of KJEI- KALADALAN	Institute	Swaraj Shinde Kaustubh Pawar Prashant Natware Ajaj Mulani Akshay Sutar
The Cultural Event Of KJEI- Fashion Show	Institute	ShaikhShabnam Rahul Kumbhar Purand Deepak Rahul Watane
The Cultural Event Of KJEI-Mr.&Ms. KJEI	Institute	Shaikh shabnam Purand Deepak
The Cultural Event Of KJEI-Prize Distribution	Institute	Mr. ChetanWani Mr. Faris Shaikh Mr. Amey Galande Mr. Prashant Rathod Ms. Rutuja Howale Mr. Koustubh Pawar

		Mr. Niraj Gadkari Mr. Omkar Patil
Firodiya (One Act Play State Level Competition)	University	Krunal Ghone Akshay Kadam Aadesh Sonawane Pritam Koli Sahil Shaikh Prasad Shendage Akshay Gawade Ajay Bhosale Vedant Daithankar Rakesh Halge Vishal Mohite Shubham Nevaskar
Bharat Karandak (University Level Inter-College Drama Competition)	University	Rakesh Halge Vishal Mohite Mayur Patil Nilesh Choudhary

5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2017-18	Dance-Innovation winner	National	NA	Dance	NA	Dipesh Solanki
2017-18	Dance Winner	National	NA	Dance	NA	Aishawarya Kardile
2017-18	Boxing Award	National	Boxing	NA	NA	Mukesh Kumar
2017-18	Best Player Award	National	Kabaddi	NA	NA	Afak Shaik
2018-19	EESA Football Winner	National	Football	NA	NA	Shubham Patil Akshay Sutar

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

Trinity Academy of Engineering Student Council is a comprehensive body to facilitate communication with the undergraduate student body. Management Engineering Student Council supports engineering students by offering advice, counselling to students and take suggestions if required. It acts as a voice between Management, Faculty, Student Organizations, and the Student Body. All engineering students may submit suggestions for improvement of academics, student circular and extracurricular activities. Student Council held monthly meetings as well as and various events throughout the academic year for all students.

Different sessions are conducted by senior faculty and even few renowned personalities from outside are called to boost confidence and improve activities among students.

The Committee Members are

Sr. No	Names of students	Sr. No	Names of students	Sr. No	Names of students
1	Karad Prasad Baban (BE Civil A)	8	Bagade Amit Anand (TE Civil A)	15	Prasad Balu Pawar (SE Civil B)
2	Choure Ajinkya Ashok (BE Civil B)	9	Harry Roche Gladis (TE Civil B)	16	Doshi Gaurav (SE Mech A)
3	Chandgude Tushar Ramesh (BE Mech A)	10	Hase Saurabh Gorkshanath (TE Mech A)	17	Ghodke Nandkishor Satish (SE Mech B)
4	Pati IPushpak Devidas (BE Mech B)	11	Vichare Sahesh Shailesh (TE Mech B)	18	Pawar Aniket Bhauso (SE Mech C)
5	Zurange Vaibhav Sampat (BE Mech C)	12	Shinde Priyanka Shivaji (TE Comp)	19	Vishwakarma Rohit (SE Mech D)
6	Pathan Asma Saeedkhan (BE E&Tc)	13	Mothe Ajay Tulshiram (TE E&Tc)	20	Kakade Anjali Raghunath (SE Comp)
7	Kumbhar Utkarsh Ramrao (BE Comp)	14	Ambulge Dipak Sangan (SE Civil A)	21	Swaroopa Kanse (SE E&Tc)

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details.

Registration Process is On-Going.

Alumni Meet, SMRITIGANDH 2017, was inaugurated by the Hon. President of KJEI Pune. Principal Dr. V. M. Wadhai, all respective department HODs and all dignitaries were present on 19 August 2017 at 11:00 am. The occasion was graced by more than 70 Alumni from various parts of the country. It was matter of great pride for TAE to see Alumni are holding positions of

responsibility in various Government organizations, Private sector, Academic Institutions. Many of them are successful entrepreneurs providing jobs to others as well.

KJEI GRAND ALUMNI MEET was organized by KJ institute on 8th September, 2018 at 10:00 am at KJ auditorium. On this occasion, Principal Dr. N. J. Uke underlined and praised the achievements of Alumni of TAE Pune in all walks/spheres of life. The occasion was graced by more than 500 Alumni from various parts of the country. It was observed that, old students were reliving their old memories with their batch mates, seniors and juniors. Many of the current students were also seen interacting with their pass out seniors and learning from their experiences. After that, alumni enjoyed the delicious lunch in respective colleges. Post lunch, the program was organized at department level, to interact personally with each alumni. These department level programs were arranged and carried out by respective faculty in-charges.



5.3.2 Number of Alumni registered for meet: 500 Nos.

5.3.3 Alumni contribution during the year (in Rupees): Rs. 40,000/-

5.3.4 Meetings/activities organized by Alumni Association:

- 1- Meetings regarding Alumni meet
- 2-Activity
 - 1) Alumni Talk
 - 2) Alumni Meet- SMRITIGANDH 2017
 - 3) Grand Alumni Meet- SMRITIGANDH 2018

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Mission

Vision of the Institute:

To be a premier knowledge centre of the nation for socio-economic development.

Mission of the Institute:

To provide education that combines rigorous academic with joy of discovery through sustained efforts and dynamic strategies in building innovation, participatory, problem based learning practices and research that leads to capacity building of the students.

6.1.1 Mention two practices of decentralization and participative management during the last year.

- Head of Departments are empowered for load distribution, Conduction of Guest lectures, seminars and value added programmes.
- Principal and HOD has financially autonomy of Rs. 20,000/- and Rs.5,000/- respectively.

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

The institution has computerized network and following are the processes which are fully/partially computerized.

1. Library uses
2. Accounting solutions are carried out using Tally and Student Management Information System.
3. Cloud Based Information Sharing:
 - a. Online Feedback
 - b. Online Attendance Monitoring
4. Biometric Attendance reports of Staff & Students
5. Online Examination: SPPU conducts online Examination for first year and second year students through SSPU portal and Unit Test Examinations for internal evaluation is carried out using Model.

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following:

- **Curriculum Development:**
 - Teachers take active participation in Savitribai Phule Pune University (SPPU) Syllabus detailing, Paper Setting, Chairman for subject, internal and external examiners for Practical/ Oral, Theory Examinations.
 - Training for all faculties is given on internal grooming and positive attitude.
 - Communication and Soft skill training is given.
- **Teaching and Learning:**
 - Academic Calendar is prepared and circulated to all faculty members and students.
 - Faculty members prepare teaching plan in the beginning of semester.
 - Faculty members prepare Course files and get it checked by Head of Department and Dean Academics.
 - Faculty members are encouraged to use ICT
 - Midterm and End term submissions are done for practical and continue assessment of student is monitored.
 - Lecture notes/course material, PPT's are provided to students through ELS.
 - Question Bank is provided for First & Second Year Students for online examination.

- Seminars and Workshops are conducted for every class to enhance their technical skills.
- **Examination and Evaluation:**
 - Mock online Examinations are conducted for First Year & Second Year Engineering Students.
 - Unit Test and Preliminary Examinations are conducted for First, Second, Third & Final Year students.
 - Mid semester examination is conducted for Third Year Engineering & Final Year Engineering students.
 - Midterm practical examinations & submission is conducted.
 - Continuous assessment for the evaluation of students is done.
 - Mock oral and practical exams are conducted.
 - University Examinations are conducted as per schedule given by the University.
- **Research and Development:**
 - All departments have well equipped R&D and COE laboratories.
 - Faculty has submitted 05 research proposals to BCUD of SPPU.
 - Seminars, Workshops & Faculty Development Programs are conducted.
 - 10 numbers of faculty members are pursuing PhD.
 - Faculty members are motivated to publish papers.
- **Library, ICT and Physical Infrastructure / Instrumentation:**
 - Digital Library for accessing e-Journals, NPTEL videos.
 - Students of each department have access to ELS (Electronic Learning System) for accessing lecture notes, PPT's, Videos, Question Bank.
- **Human Resource Management:**

Trinity Academy of Engineering Human Resources Policy Manual is designed to provide a clear statement of the Management's Human Resources policy.
- **This includes the policies regarding:**
 - Faculty improvement programs for enhancement of quality of teachers.
 - Well-defined recruitment policy based on merit of the applicants within the general frame-work
 - Providing a better teaching-learning environment in the Institute.
 - Providing leaves as per the state Government.
 - Providing on duty leave to the faculty for attending seminars, symposia, workshops, invited lectures and research oriented activities.
 - Providing leaves for higher education.
- **Industry Interaction / Collaboration:**
 - Zensar conducts Employability and Skill development (ESD) programme every year for students.
 - Internship programmes are facilitated by Persistent.
 - CodeRoot provides internship for Final Year Students

- Memorandum of Understanding is signed by various industries for training and recruitment.

Sr.No.	MOU Signed with	Date	Outcome
01	SEED Infotech	25/01/2018	200 Students trained for Aptitude, soft skills & recent trends
02	Encode Networks	10/01/2018	57 students trained
03	Zensar Technologies	30/05/2017	Under Employability Skill Development 21 Students trained/01 student placed
04	Sachin Kudale & Associates	08/03/2017	06 Students placed
05	Mcommunication	10/08/2017	67 students got trained
06	Mcommunication	11/08/2018	67 students got trained
07	ENGINE ENSIGHT	20/12/17	03 Students placed
08	IOT Mechatronics	24/01/2017	03 batches given to work for project
09	Exponential Engineering Private Limited	02/07/18	5 Student (3 Batches) has worked with them for project work of final year

- **Admission of Students:**

- Admissions process is strictly followed by rules and regulations based on the Maharashtra state, DTE and AICTE.

6.2.2 Implementation of e-governance in areas of operations:

- **Planning and Development:**

- Academic Planning, Teaching plan, Budget Planning is done for academic/financial year and implemented accordingly.

- **Administration:**

- Information of students is provided the portal of DTE, MahaDBT, Social Welfare
- SPPU Conducts online examinations and question papers are shared with respective college through SPPU portal.
URL: <http://qpd.unipune.ac.in/Auth/Login.aspx>
- Marks entry is done by respective teachers through marks entry portal of SPPU.
URL: intmarks.unipune.ac.in
- ICT is used for communication with students, staff.
- Online Feedback's are conducted for the students.
- Student attendance monitoring.

- Syllabus coverage of teacher is monitored.
- **Finance and Accounts:**
 - Tally is used to keep records of finance and accounts.
- **Student Admission and Support:**
 - As per the admission process by the state Government, DTE students are admitted to collage and support is given to fill forms for admission and scholarship process.
URL: <http://www.dtemaharashtra.gov.in/>
- **Examination:**
 - SPPU Examination Question Papers received online are printed and distributed to students.
 - Online Examination of SPPU and internal Examinations are conducted.
 - Marks entry to SPPU portal is done by respective subject teacher along with internal/external examiner.
 - Practical/Oral Examination: HOD and internal examiners list is provided to SPPU portal, using information of internal from SPPU subject Chairman's are allocating the external examiners.
 - Marks Entry to SPPU portal is done by respective internal examiner and confirmed by the external examiner.

6.3 Faculty Empowerment Strategies:

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Nominee for institutional membership Ms. S N Maitri	NA	Computer Society of India	2360
2017	Nominee for institutional membership Ms.Sonali Kale	NA	Computer Society of India	2360
2017	Nominee for institutional membership Ms.SnehalataNandanwar	NA	Computer Society of India	2360
2017-18	Dr. Vijay Wadhai	NBA Workshop	NA	9000

2017-18	Mr. S S Mulik	NBA Workshop	NA	9000
2017-18	Ms. S N Maitri	NBA Workshop	NA	9000
2017-18	Sonali S. Kale	Sediment Classification and Field experiment	NA	5000
2017-18	Sonali S. Kale	Labrotary Practice II	NA	800
2017-18	Sachin S.kudale	Research Proposal, Paper, IPR & patent Drafting(8 & 9 Dec 2017)	NA	500
2017-18	Sachin S.kudale	Teaching Learning Practices in Structural Design and Drawing(4 & 7 Dec 2017)	NA	1500
2017-18	Pravin A. Manatkar	Research Proposal, Paper,IPR& patent Drafting(8 & 9 Dec 2017)	NA	500
2017-18	Pravin A. Manatkar	Role of Civil Engineers in Sustainable Urban Developement	NA	500
2017-18	Sarika S. Kale	Teaching Learning Practices in Structural Design and Drawing(4 & 7 Dec 2017)	NA	1500
2017-18	Ms.SupriyaS.Saste	International Conference on VLSI Design (6 - 7 Jan 2018)	NA	11800
2017-18	Dr Haloli H.G	National conference on Application of Mathematics in Engineering,	NA	500
2017-18	Dr. Swami M. C.	Research Proposal,paper,IPR& patent Drafting(8 & 9 Dec 2017)	NA	500

2017-18	Shrikant R. Kate	Faculty Development Programme (FDP)	NA	2000
2017-18	Shrikant R. Kate	National Level Workshop and Conference on Industrial Practices in Civil Engineering (IPCE-III)	NA	2000
2017-18	Satish S. Deshmukh	National Level Workshop and Conference on Industrial Practices in Civil Engineering (IPCE-III)	NA	2000
2017-18	Abhishek C. Shirle	National Level Workshop and Conference on Industrial Practices in Civil Engineering (IPCE-III)	NA	2000
2017-18	Shambhu Kumar	STTP ON FLUID MECHANICS (11TH TO 15TH DEC 2017)	NA	1500
2017-18	ShirishKonde	STTP ON FLUID MECHANICS (11TH TO 15TH DEC 2017)	NA	1500
2017-18	Shambhu Kumar	Research Proposal, Paper, IPR & patent Drafting	NA	200
2017-18	Mr.M.A.Bhandare	Recent Trends in Micro & Nanotechnology	NA	500
2017-18	Mr. D. B.Dukale	Recent Trends in Micro & Nanotechnology	NA	500
2017-18	Mr.D.B.Dukale	Research Proposal, Paper, IPR & patent Drafting	NA	200
2017-18	Mr.S.P.Yadav	Internet of Things (Subject & Practical) (TE: revised Syllabus)	NA	2500
2017-18	Mr.S.B.Harsur	Recent Trends in Micro & Nanotechnology	NA	200

2017-18	Mr.N. R. Patil	Research Proposal, Paper, IPR & patent Drafting	NA	500
2017-18	Mr. V.D. Kolate	Intellectual Property Rights (31.12.2017), One Day	NA	200
2017-18	Mr. V.D. Kolate	Recent Trends in Micro & Nanotechnology, One Week (6/9/2017 to 10/9/2017)	NA	1500
2017-18	Mr. V.D. Kolate	Subject Detailing of Automobile Engineering (E II) (27.02.2018)	NA	NA
2017-18	Abhishek D Patange	Recent Trends in Micro & Nanotechnology	NA	1500
2017-18	Sandeep P Nalavade	Recent Trends in Micro & Nanotechnology	NA	1500
2017-18	SupriyaBurgul	Matlab& Simulink	NA	3500
2017-18	P. V. Suryawanshi	Matlab& Simulink	NA	3500
2017-18	SupriyaBurgul	Student Induction Program (AICTE)	NA	1500
2017-18	Shubhangi S. Shetake	Student Induction Program (AICTE)	NA	1500
2017-18	M. M. Moog	Student Induction Program (AICTE)	NA	1500
2017-18	N. R. Patil	Analytical and Experimental methods in vibrations	NA	2500
2017-18	Aadil. C. Shaikh	Advanced Techniques in Vibration and Sound Measurement	NA	1000
2017-18	YogeshFatangade	Intellectual Property Rights	NA	1000
2017-18	SupriyaBurgul	Intellectual Property(IP) & Patent Lifecycle	NA	1000

2017-18	Kaveri A. Katake	Intellectual Property(IP) & Patent Lifecycle	NA	1000
2017-18	D. D. Kumbhakarna	Intellectual Property(IP) & Patent Lifecycle	NA	1000
2017-18	P. V. Suryawanshi	Intellectual Property(IP) & Patent Lifecycle	NA	1000

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018	Personnel Counselling & Mentoring	NA	07 June To 09 June 2018	25	NA
2018	Writing Research Paper	NA	14 August 2018	28	NA
2018	Moodle Training	NA	13 August 2018	25	NA
2018	Efficient use/search of Google	Efficient use/search of Google	29 August 2018	37	NA
2018	Financial Management	Financial Management	11 October 2018	40	35
2018	Investment Strategy	Investment Strategy	12 October	40	35
2018	Research paper writing	NA	12-18 March	39	NA

			2018		
2018	Software for typing research paper/thesis in proper format	NA	19-24 March 2018	30	NA
2018	Patents/Copyrights/Intellectual property rights	NA	26-01 April 2018	05	NA
2018	Meditation Sessions	Meditation Sessions	24 March 18	15	10
2018	Etiquettes Training	Etiquettes Training	12 May 18	NA	15
2018	Yoga Session	Yoga Session	21 June 18	30	15
2018	21'st Century Learning	NA	17 October	100	NA

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

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Two Days National Conference in Engineering & Science	1	26 & 27 Feb 2018 (2 days)
STP On Analog, Digital, Communication & Wireless Network	1	12 Dec to 16 Dec 2017(4 days)
FDP ON Subject RMT	1	11 July 2018 , One Day
"IoT and Its Application Overview", Faculty Orientation Program	1	12th July, 2018, One Day
"Image Processing Advances & Research challenges", Faculty Development Program.	1	11 -15 Dec, 2017, One week

"Intellectual Property (IP) and Patent Lifecycle Management", Workshop	5	9 Nov 2017, One Day
"Electronics System Design" Faculty Orientation Workshop	1	23-24 June 2017 (2 days)
AICTE Teacher Training Workshop on "Student Induction Program"	1	17-21 July 2017 (5 days)
AICTE Faculty Development Program. on "Ethics and Moral Values"	1	5-18 Dec 2017 (Two Week)
Two weeks AICTE sponsored FDP on "Recent trends in signal representation: A multirate approach"	2	6 Nov 2017- 17 Nov 2017(12 days)
Two days international conference on "VLSI Design"	1	6 Jan 2018- 7 Jan 2018(2 Days)
"Workshop on sediment classification and field experiment" at IMF maritime research Centre Pune	1	9 to 13 Oct 2017 (5 Days)
BE Computer Engineering Syllabus Revision Meet	1	30 January 2018
Research Trends in Computer Domain with Patents & Copyright	1	29 Dec to 30 Dec 2017
Future of Data	1	9th Feb to 10th Feb 2018
Recent trends in Application of Mathematics in Engineering and Sciences, SAE, Kondhwa, Pune	2	4 th Jan to 5th Jan 2018
Use of Appropriate Softwares in Mathematical modelling and Statistical Analysis, Modern College, Ganeshkhind, Pune	1	9th feb to 10th feb 2018
Applications of Mathematics, MIT, Kothrud, Pune	1	6th April to 7th April 2018
Aspiration Management	3	07th June to 15th June 2018
Seven Days FDP on "Design & Analysis of Algorithm"	1	18th to 23rd Dec 2017
One Day FDP on "Lab Practice-I(HPC)"	1	10th July 2018
One Day FDP on "Data Analytics"	1	22nd -23rd June 2018
Detailing of Syllabus for the Subject of Advanced Manufacturing Processes	1	7th March 2018
One week STTP on "Recent Trends in Micro & Nanotechnology"	1	6th to 10th Nov 2017
Five Day workshop on "Analytical and Experimental Methodism Vibrations"	1	26th Feb to 2nd March 2018

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
33	66	49	00

6.3.5 Welfare schemes for

Teaching:	<ul style="list-style-type: none">➤ Employee Provident Fund➤ Medical Leave➤ Maternity Leave➤ Winter & Summer Vacation➤ On duty leave for FDP, Industrial Visits, Workshops, Conferences , University related works like paper checking ,External Examiner, Syllabus revision etc.➤ Study Leave
Non-teaching:	<ul style="list-style-type: none">➤ Employee Provident Fund➤ Medical Leave➤ Maternity Leave➤ Earned Leave➤ Study Leave
Students:	<ul style="list-style-type: none">➤ KJEI scholarship➤ Skill/Communication development training➤ Fee Concession➤ Earn & Learn Scheme➤ Medical Insurance➤ Hostel and mess facility for financially weak student.

6.4 Financial Management and Resource Mobilization:

6.4.1 Institution conducts internal and external financial audits regularly.

- a. Internal Financial Audit: Internal financial audit is done by KJ Educational trust on monthly basis. Rectification and corrections if found is cleared by senior account and office superintendent under the guidance of Principal.

- b. External Financial Audit: External auditing is done quarterly by Chartered Accountant appointment by K J's Educational trust. Auditors visit the college and cross check all bills related to accounts.

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

Name of the non-government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
Nil	Nil	Nil

6.4.3 Total corpus fund generated: Rs. 70, 00,000/-

6.5 Internal Quality Assurance System:

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	AICTE	YES	IQAC
Administrative	YES	NA	YES	KJCOEMR

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

- Parent-Teacher meeting is conducted every semester for the betterment of their ward.
- Suggestions are taken to improve the academic difficulties faced by their ward.
- Support/suggestions are given regarding hostel and transport facility.
- Letters and SMS are sent to parents for informing about their ward's absence and results of SPPU & Unit Test.

6.5.3 Development programmes for support staff (at least three)

- Encouraged to take higher studies: 01 lab assistant completed B.E and two are pursuing Diploma.
- Financial support is given in case of emergency: Advance against the salary is given in case of emergency.
- Session on Windows office conducted: Excel training is conducted to office staff.
- Regular Sessions on Yoga are arranged

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

- a) Established NPTEL local Chapter.
- b) Faculty members are motivated to register for PhD.
- c) Submitted Research proposals to AICTE and SPPU.

6.5.5

- d) Submission of Data for AISHE portal : Yes
- e) Participation in NIRF : Yes
- f) ISO Certification : No
- g) NBA or any other quality audit : No

6.5.6 Number of Quality Initiatives undertaken during the year.

Year	Name of quality initiative by IQAC	Date of conducting activity	During (from.....to.....)	Number of participants
Faculty Development Program (FDP)				
2018	Research paper writing	12-18 March 2018	12-18 March 2018	39
2018	Software for typing research paper/thesis in proper format	19-24 March 2018	19-24 March 2018	
2018	Patents/Copyrights/Intellectual property rights	26-01 April 2018	26-01 April 2018	
2018	21'st Century Learning			100
Student Training Program (STP)				
2018	Zensar ESD - 5 Soft Skills Training	24 to 28/02/2018	24 to 28/02/2018	08
2018	Zensar ESD - 5 Java Training	04 to 30/06/2018	04 to 30/06/2018	08
2017	Tool Engineering	08/09/2017	08/09/2017	08
2017	Autodesk Fusion 360 & Autodesk Certification	01/09/2017	01/09/2017	54
2017	Heating, Ventilation & Air Conditioning (HVAC)	22/08/2017	22/08/2017	10

2017	Maintenance of Equipment in Industry	24/07/2017	24/07/2017	21
2017	Fast Fourier Transform (FFT)	08/07/2017	08/07/2017	06
2017	Behavioral Skills	09/09/2017	09/09/2017	12
2017	Listening Skills	02/09/2017	02/09/2017	12
2017	Presentation Skills	28/08/2017	28/08/2017	12
2017	Plan Do Check Act Cycle (PDCA)	16/08/2017	16/08/2017	22
2017	Project Management	09/08/2017	09/08/2017	19
2017	Operations Excellence Six Sigma Green Belt Training	24/07/2017	24/07/2017	20

CRITERION VII –INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Title of the program	Period (from-to)	Participants	
		Female	Male
Gender based violence	4 th August 2017	55	35
Woman Empowerment- Need of time	8 th March 2018	40	10

7.1.2 Environmental Consciousness and Sustainability / Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

Annual power requirement met by the renewable energy sources – (Solar panel installation under process) -0 (in KWH)

Total annual power requirement – 334596 (in KWH)

Environmental Consciousness

1) Tree plantation

- Approximately 43 % area of 110 Acres campus (i.e. 47.3 Acres) is covered with plants & lawns. Regular maintenance is carried out.
- To increase the greenery in campus plantation is done / organized by student associations like CESA (Civil Engineering Student Association), ACES (Association of Computer Engineering Students), MESA (Mechanical Engineering Students Association), ENCORE, and NSS (National Service Scheme).

2) Water Management

- The institute is having Sewage Treatment Plant (STP). The purified water is used for gardening and flushing the toilets. Its construction cost is 21 lacs with the capacity of 450 cubic meter / day.
- Water Treatment Plant (WTP) is also in working condition with type Reverse Osmosis having capacity of 3000 LPH of total cost Rs. 5,25,000/-

3) Rain Water Harvesting

- Institute has rainwater harvesting system in place to collect the rainwater. Due to extensive urbanization, water is becoming a scarce natural resource in metropolitan cities like Pune.
- The catchment area is the roof of institute building. Rooftop rain water collected on the terrace of institute building is collected through adequate pipe system from different parts of the terrace. All the rain water thus collected is diverted to common channel and conveyed for storage in an underground storage tank. The underground tank has capacity to store 36,000 litres of rainwater during monsoon season. This helps to recharge the tube well dug in the campus as well as the ground water. It will increase the ground water table of the surrounding premises. The water stored in the underground sump is drawn through a pump and used for gardening, maintaining of lawn etc.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	-
Ramp/ Rails	Yes	-

Braille Software/facilities	No	-
Rest Rooms	Yes	-
Scribes for examination	Yes	1
Special skill development for differently abled students	No	-
Any other similar facility (Wheel Chair)	Yes	5

7.1.4 Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017-2018	1	-	16 th January 2018	Kaushalya Vikas-vashishanatan rojgarhami	1) Skill development for youth 2) Guarantee of jobs through skill development	100
2017-18	1	-	29 th April 2018	Trinity CET Champ 2k18	CET Exam preparation	2000
2017-18	1	-	30 th	Deen Dayal	Skill developme	200

			August	Upadhyay a	nt	
2017 -18	1	-	22 nd to 28 th December r 2017	NSS Camp	Social awareness program	50

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

Web link: <http://www.kjei.edu.in/tae/IQAC/Code%20of%20conduct.pdf>

Title	Date of Publication	Follow up (maximum 100 words each)
Duties & Responsibilities Of Staff, Functions Of Various Committees & Procedures	01 /11/2012	<p>The code of conduct is designed to increase the efficiency in the work and make the functioning cordial and smooth so as to achieve our goal to develop our students with integrity. It reflects the commitment towards the stakeholders.</p> <p>There are rules and regulations which follow ethics and under which students are guided. The main focus is student's success integrity, innovation and achievement through code of conduct.</p>

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration	Number of participants
Personality Development	8 th to 10 th June 2018	200
New Age Learning in 21st Century	17 th October 2018	100

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

The following initiatives have been taken by the Institute to make the campus eco-friendly.

1) **Efficient use of Electrical Energy:**

- Different Programs were conducted on electricity awareness at the institute level to spread awareness about efficient use of electricity.
- Energy audit of college as well as campus has been planned and conducted.
- While designing the buildings, the care has been taken to fetch maximum benefit from natural resources, like wind, sunlight to reduce consumption of electricity.
- Energy conservation display boards have been placed in each and every classroom, labs etc.
- The Institute celebrates 14th December as “Energy saving is energy generation” day on account National Conservation Day.
- All the laboratories are equipped with single point power controller for efficient use of electricity.
- Greenery of campus provides maximum air circulations due to this very few rooms are required air conditioning.

2) **Efforts for Carbon Credit:**

- To ensure a healthy environment in the coming decades, determination of greenhouse gas emissions is the need of every human being. Greenhouse gases can be emitted through transport, land clearance, production and consumption of food, fuels, manufactured goods, materials, wood, roads, buildings, and services. Carbon audit measures the total greenhouse gas emission caused by every individual, organization and event or product.
- The major contaminant causing air pollution is carbon dioxide. As carbon dioxide is a colourless and odourless gas, it is hard to determine its concentration. Carbon dioxide emission level is increasing day by day and reaching higher levels every day.
- Carbon credit is done for KJEI Campus Pune, Maharashtra as there is an incremental growth of residential projects and also stone crushers have been observed. After the determination of the carbon footprints for the area, it will be easy to plan the periodic development of the area so that neither growth rate will be hampered nor the existing carbon levels will rise. It will also be helpful to manage the energy being consumed by every individual and their activities.

3) **E- Waste Management:**

- Various types of electronic gadgets are being manufactured and marketed to cater the need of modern generation. These products become out dated after few months or years. Since these products contain some kind of hazardous materials like lithium, lead, zinc, etc. improper disposal of these products is harmful for living beings so that management of E-waste is an important issue. E-waste management is done by collecting all the electronic waste generated in the institute premises at a central storage space and sent for

recycling through an E-waste recycler.

4) Solid Waste Management:

- Institute practices the segregation of Solid Waste and liquid waste. The collected waste is segregated at the source of the generation. The waste bins are placed separately for dry and wet waste at every corner of the corridor, wash rooms and common room. The dry waste bins are also placed in laboratories, library, classrooms, etc. The dry and wet waste is handed over to municipal waste collection agency for further treatment.
- Institute practices the segregation of scraped stationary and unwanted papers etc for utilising in college documentations and office work.
- Old newspapers, used papers, journal files and workshop scrap etc. are given for recycling to external agencies.

5) Liquid Waste Management:

- Liquid Waste from the wash rooms is conveyed to Sewage treatment plant (STP). The purified water is used for gardening and flushing of toilets. The capacity of STP is 450 cubic meter / day. A wastewater from laboratories is treated through proposed novel cavitations.

7.2 Best Practices

Describe at least two institutional best practices

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

<http://www.kjei.edu.in/tae/IQAC/Best%20practices.pdf>

Best Practice No.1

Title of the practice: Teacher Guardian Scheme

Goal: Continuous monitoring of academic performance of students including their attendances and performance in internal exams.

The practice:

- The institute has a “Teacher Guardian (TG)” scheme for all First, Second, Third and Final Year students. Under this scheme, one faculty is appointed for every 20-25 students as their Teacher Guardian.
- The role of the faculty as Teacher Guardian is to continuously monitor the academic performance of 20-25 students such as daily attendance for the lectures and practical. TG reports his/hers absenteeism to their parents telephonically. TG monitor their performance in internal examinations and conduct meetings with them regularly to discuss and address their academic as well as personal problems.
- The slow learners are identified by respective TG based on academic monitoring. The extra classes are arranged as per the requirements.

- The details of the above work are maintained in a booklet by the respective teacher guardian.
- The record is transferred to next TG for better understanding of history of individuals.

Context:

- Parents are regularly informed by letters, text messages and phone calls about the performance of their ward by his/her TG and thus they are also involved in this process.
- Teacher Guardian note the problems faced by the students like poor academic performance, problems related to infrastructural facilities, and even personal problems also discussed to bring solution for the same.
- The Teacher Guardian acknowledges and addresses these problems to motivate and guide the students. Knowing the student personally and communicating with him/her like a guardian develops a personal connect between them which is the main goal of this program. This in turn develops a sense of confidence, support and security in the students and they become strong to face the academic challenges.
- All these activities undertaken by the TG's like call records to the parents, TG meetings, minutes of the meetings, student performance etc. are recorded in a booklet which is maintained by each and every Teacher Guardian.

Problems Faced and Resources Required:

- The problems encountered are as follows:
- Impart sense of guardianship in the faculties for increased effectiveness of the "Teacher Guardian" scheme.
- Adequate time is not available during college hours for conducting meet but this was overcome by conducting meeting after college hours.
- Initially the students were wavering to speak about the problems then TG made them speak out by talking with them in informal way.

Evidence of Success:

- Many of the problems faced by the students have arrived in the TG meetings and they have been addressed by the faculty members.
- Problems like need of maintenance of fans and tube lights in class rooms in various departments, etc. came up in the TG meetings and subsequently, the maintenance was carried out.
- Students had difficulty in understanding the teaching of few staff members based on the feedback collected from students. The concerned faculty members were counselled by the Head Of department (HOD) and improvement was observed.
- At the time of examination period students wanted to use library beyond college hours so library was open from 08:00 am to 08:00 pm.

Best Practice No.2

Title of the practice: Student Training Program (STP) and Value added Programs (VAP)

Goals:

- The student training program makes the student ready for placement or for entrepreneurship.
- It is one of the important objectives of the institute to develop the students get placed in good companies in their field of specialization. Thus the college carried out activities like practicing for exams such as Aptitude Test, Group Discussion (GD), General Knowledge, Current Affairs, etc.
- The aim of the program is to enhance the quality of the students by empowering them with all required skills to make them globally competent.
- The objectives of the STP are to:
 - Enhance the employability.
 - Prepare students for entrepreneurship.
 - Prepare students for higher education

The practice:

- Aptitude Enhancement: Aptitude Tests are important to prospective job seekers in today's competitive job market. By cracking this exam employers can get opportunity to go for interview or for next level.
- General knowledge: General knowledge contributes to personal enrichment, and a better understanding of the world as a whole.
- Awareness about current affairs: Current affairs refer to the important incidents those have occurred and hold social importance in the world. The important role of current affairs can be evident with the various eligibility criteria adopted by the job sector, where individuals are hired based on their knowledge of their surroundings.
- Developing domain knowledge: To get a good job student requires domain knowledge and that is acquired in the organization. Strong foundation in domain knowledge is a stepping stone to further learning.
- Technical skills: Many companies today hire employees by looking at their computer literacy. Many companies today use different software, considering the same need we trained our students to use these software.

All the activities of the student training program are conducted by faculty who has their expertise in respective areas.

“Interview Techniques”, “Personal and Career Goal Setting”, “Behavioural Skills”, “Public Speaking”, “Presentation Skills”, “Resume Writing”, “Listening Skills”, “Group Discussions”, “Report Writing”, “Signal Processing”, “Programming Language”, “Electronic Circuit Design”, “Embedded System Design”, “Assembly and disassembly of Mechanical system like I/C engine and M/C Tool System”, Skills in various processes involve in mechanical system like RAC equipment, Hydraulic Pneumatic system these programs have been conducted by various department.

Context:

- The aim of Student Training Program (STP) is to improve the employability level of students by enhancement of technical and soft skills so that they can serve the industry better.
- The overall skill development of students is the heart of the program. In second year itself, students are trained in soft skills and communication skills which are vital from employability point of view. STP and VAP are conducted in Final year of the course.
- Following STP and VAP has been conducted

Sr. No.	Name of Program
Department of Mechanical Engineering	
1	Online Training on Altair Hyper work
2	Workshop on Fast Fourier Transform
3	Seed Training Program on soft skills
Department of E&TC Engineering	
1	IOT using Raspberry Pi
2	Seed Training Program on soft skills
Department of Computer Engineering	
1	Skill development workshop
2	Course on Android technology
3	Course on Hadoop technology
4	Course on software defined network
5	Course on web technology
6	Seed Training Program on soft skills
7	Seed Training Program on JAVA
Department of Civil Engineering	
1	Course on Rivet software
2	Course on Microsoft project management
3	Course on Hit Office ERP
4	Seed Training Program on soft skills

Problems Faced and Resources Required:

- To cope up with the daily updates and knowledge about the current requirements in industry as well as society needs, this is difficult to cover in teaching learning process of the Institute.
- To cover up above problem VAP is required to be conducted in parallel with regular academics. Extra sessions from industry experts are normally arranged.
- Students are heavily charged for such professional training.
- So to overcome this problem, it is necessary to give VAP inputs to the students to cope

up with industrial requirements and make them ready for placement. Introduction of STP and VAP have solved majority of these problems with minimum expenditure and removed unnecessary financial burden on the students.

- Industry Experts are invited for the sessions, workshops & seminars.
- Well-equipped laboratories are providing to conduct the same.

Evidence of Success:

- It is observed that with regular practice the students get better understanding of various activities being carried out. There is seen a steady rise in scores amongst all the students. Also it has reflected in review from the company panels coming for interview. Students get better placements in terms of profile and package.

7.3 Institutional Distinctiveness

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

KJEI's Trinity Academy of Engineering is established in 2010 located on 12 Acres (22,000sq.m) has conducive environment for teaching learning with all state of art facilities with world-class infrastructure and pollution free campus. This college is well equipped with best laboratories, workshop, libraries, hostel, canteen, sports facilities, transportation facility and other amenities to create healthy environment for students in attaining highest standards in academics, research and professional skills. Thus TAE tried to fulfil all basic needs of all students.

The teaching program gives emphasis on practical approach through Industry-Institute Interaction cell. College organizes various Symposia and Workshops to enhance skill sets to cater new age technology. As stated in our vision we concentrate more upon the Engineering Research activities and use that knowledge for students and society welfare. The college executes strong academics with the implementation of various schemes like Expert Guest lectures, NPTEL video lectures, and student training program; value added programs, Industrial visits, departmental model rooms, TG (Teacher Guardian) scheme etc.

The college not only focuses on academics, but also organizes co-curricular activities and extracurricular activities such as sports events; cultural events and social activities that create important parts of life of the students. Campus is having more than 4.5 Acres of ground for various sports activities like cricket, football, tennis, badminton etc. We invite parents and resource persons from Industry to visit our campus and to interact about student's performance in academics as well as in extracurricular activities.

The college has Rain water harvesting system to partially fulfil water demand of college. Also the college has Sewage Treatment Plant, the treated water is positively used in the campus itself for gardening purpose. The college has Diesel Generator set to provide uninterrupted power supply in case of load shading.

Under-privileged engineering aspirants from Gadchiroli and Chandrapur districts are identified and are admitted to engineering courses with full sponsorship by KJEI trust towards tuition fee, lodging & boarding. Under this scheme 11 students were admitted in academic year 2017-18. Also the meritorious students from economical backward class are provided with the free-ship for quality education by KJEI trust other than government assistance.

8. Future Plans of action for next academic year (500 words)

The plan of action for the academic year 2019-2020 includes the following:

As per the guidelines from IQAC and subsequent discussion held in the meeting of IQAC the plan of action for academic year 2019-20 was decided and following points were taken in to consideration.

- To make the subjects more interesting by adding videos and enjoyable learning activities.
- To create more E learning facility making the students and faculty to effectively utilize ICT (information and communication technology) for teaching learning process.
- To implement effective soft skill training from first year for all round development of students
- To formulate academic monitoring committee at each department and conduct the academic monitoring twice in a semester.
- Conduct academic review meeting based on the report of academic monitoring committee, and counselling of faculty for any discrepancy.
- Conduct seminars and workshops of National and International importance at our campus.
- To implement the value added course for the students through industry experts and enhance the employability skills of the students
- To conduct job oriented courses for students and tailor made programs for industry.
- To enhance the placement activity
- Arrange special programs for teaching/non-teaching staff.
- To introduce fully e-based system for different administrative processes like, admission, result publication, etc.
- Enrich the reading room facility in the library for the students.
- Support students. (Meritorious and academically weak)
- To keep guardians updated about their wards' performance
- To strengthen the liaison among the stakeholders like, students, faculty, parents, employers and alumni participation
- To inculcate research facilities soon to improve quality through sponsored project
- To encourage the faculty for research publications in reputed journals with impact factor like SCOPUS/SCI.
- Encourage the faculty to engage with industry for practical approach and to generate consultancy resource.

- To enhance collaborative research among the departments and to take initiative for inter-institutional collaboration

Name: Mr. Satish S. Deshmukh



Signature of the Coordinator, IQAC

Name: Dr. Nilesh J. Uke



Signature of the Chairperson, IQAC

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