



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		KJ'S EDUCATIONAL INSTITUTES TRINITY ACADEMY OF ENGINEERING
Name of the head of the Institution		Dr Nilesh J Uke
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08446091199
Mobile no.		9850035805
Registered Email		principal.tae@kjei.edu.in
Alternate Email		nilesh.uke@gmail.com
Address		S.No. 25& 27, Kondhwa-Saswad Road, Kondhawa Annex, Pune
City/Town		Pune
State/UT		Maharashtra
Pincode		411048

<b>2. Institutional Status</b>	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr Satish S Deshmukh
Phone no/Alternate Phone no.	08446091199
Mobile no.	9881258914
Registered Email	satishdeshmukh.tae@kjei.edu.in
Alternate Email	ssdbaramati@gmail.com

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://tae.kjei.edu.in/images/AOAR.pdf">https://tae.kjei.edu.in/images/AOAR.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://tae.kjei.edu.in/images/AcademicCalendar 2018-19.pdf">http://tae.kjei.edu.in/images/AcademicCalendar 2018-19.pdf</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.02	2017	30-Oct-2017	29-Oct-2022

<b>6. Date of Establishment of IQAC</b>	10-Oct-2014
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<b>7. Internal Quality Assurance System</b>
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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
Android Technology	20-Aug-2018	30

Training	1	
Employability Skill Development (ZENSAR)	04-Jan-2019 1	27
ATS Infotech Cyber Security Microsoft Certified Program	25-Sep-2018 1	17
Employability Development Training (SEED)	20-Aug-2018 1	30
Microsoft Certification in Cyber Security	25-Sep-2018 1	46
Counselling- Do and Don't in Interview Process	16-Oct-2018 1	160
Soft Skill Training	06-Sep-2019 15	194
Personal Counselling and Mentoring	20-Aug-2018 15	194
Youth Empowerment by Yoga & Meditation	20-Sep-2018 1	100
International Yoga day Celebration	21-Jun-2019 1	150
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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
<b>No Data Entered/Not Applicable!!!</b>				
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	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 ? Conduction of Workshops/Seminars on Industry Academia Innovative practices during the year

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

Plan of Action	Achivements/Outcomes
Promoting Research and Development through funded projects	Five no's of research proposals sent to SPPU, Pune under ASPIRE scheme Two proposals for organizing STTP submitted to AICTE under AQIS 18-19.
Participation from stakeholders	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.
Fulfilling social responsibilities	Donations to Kerala Relief Fund under CSR.
Online Certification courses	Established NPTEL and SWAYAM Local Chapter
Development Program	STP conducted for students on Placement opportunities and Aptitude. FDP on New Age Learning in 21st century.
To create quality awareness	The IQAC has conducted quarterly meetings under the chairmanship of the Principal and detailed plans and program were formulated for quality awareness.
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 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 Encourage meritorious faculty, employees and students by presenting	Institute has given academic awards, best teacher's award. The meritorious

them with awards prizes and recognition certificates

students were given medals, prizes and certificates during the annual fest of the institute.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Boad of KJEI Pune	01-Aug-2019

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

01-Feb-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

- 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. Explain in 500 words

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

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
<b>No Data Entered/Not Applicable !!!</b>					

**1.2 – Academic Flexibility**

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Mechanical Engineering	12/06/2018

BE	Computer Engineering	12/06/2018
ME	Mechanical Engineering	20/09/2018
BE	Civil Engineering	12/06/2018
ME	Civil Engineering	20/09/2018
BE	Electronics & Telecommunication Engineering	12/06/2018

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

## 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Employability Development Training (SEED)	20/08/2018	30
ATS Infotech Cyber Security	25/09/2018	17
Microsoft Certified Program	25/09/2018	17
Employability Skill Development (ZENSAR)	04/01/2019	27
Android Technology Training	20/08/2018	30
LeX Programming for Seminar/Project Report	04/03/2019	40
Employability Development Training (SEED)	20/08/2018	84
"Automation using Arduino and Introduction to IoT"	08/09/2018	15
Employability Development Training (SEED)	20/08/2018	65
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering-Quality Improvement using SIX sigma Tools ( Shree Sai Power Control Pvt. Ltd)	1
BE	Mechanical Engineering-Redesigning of Boiler	3

	chimney against fouling to enhance the efficiency of boiler ( Vedant Enterprises)	
BE	Mechanical Engineering- Design and Manufacturing of Thermo syphon Heat Pipe to improve Heat Transfer(Golden Star Technical Services Pvt. Ltd)	4
BE	Mechanical Engineering- Study of mould flow analysis and impact analysis	4
BE	Computer Engineering- Design Thinking, Programming Concepts, Tutorial on Theory of Computing & Data Sciences (Persistent)	1
BE	Computer Engineering- Basics of IoT, Information security, Machine learning	1
BE	Computer Engineering- Android Application Development	2
BE	E&TC Engineering-Smart Jacket using IoT (Sun Raj Infoteck PVT Ltd)	3
BE	E&TC Engineering-Fire Alarm System using IoT (Dhruv Fire Soltion)	3
BE	Civil Engineering- Ecostruct Engineering Private Limited, Rabale, Navi Mumbai	5
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#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
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The development of any organization, especially a college, heavily depends upon a well functioning feedback system. Feedback of all the stakeholders including staff, students, alumni and parents helps the individuals and organization as a whole to improve the performance and effectiveness of the Institution.

Centralized transparent Online Student Feedback System: In our college 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 incharges 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. In addition to the formal feedback system, all individual departments have regular studentteacher interactions to discuss academic concerns and related matters where students can freely air their opinions. In concern with Students feedback regarding Preparation for Interviews -Aptitude Test, Group Discussions and Personal Interviews etc college arranges different sessions and company oriented training by Technical Trainees of Company or In house every year Stakeholders Feedback: The institute collects feedback from stakeholders for enriching the curriculum in following manner. ?Midsemester and Endsemester 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. ? Teacher feedback is taken during semester. Parents are important stake holders of this system. In ParentsTeacher meeting, many parents gives suggestion regarding the regular teaching learning process, Guidance of expert faculties from other institutes/industry for the student etc. In order to cater to this suggestion, every department organizes talks by expert faculties from other institutes, industrial experts. The alumni appreciated the existing pattern of education they suggested giving more stress to research activities, Employability skills of students must be improved. Institute Organizes Various Soft skill Training by Industry Experts 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 Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	Mechanical	24	2	Nil
ME	Civil	24	24	22
BE	Mechanical	258	55	45
BE	E&TC	144	15	6
BE	Computer	46	38	27
BE	Civil	122	111	116
BE	Mechanical	120	20	4
BE	E&TC	120	10	1

BE	Computer	60	31	25
BE	Civil	60	20	11
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## 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	235	22	100	8	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 (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
108	56	6	20	1	6
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### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A TG Teacher Guardian scheme is the effective student mentoring system which is followed rigorously in institution. For every faculty 2024 students are allocated. A faculty takes care of student's academics, attendance and in teacher guardian booklet every record of student is kept. Students parent is informed time to time about their attendance by SMS or letters. Students 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 twoway 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.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1006	108	1:9

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
108	108	Nil	6	6

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
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2018	Prof. Dr. N.J.Uke	Principal	Effective Administrator Distinguished Researcher Proud Teacher
2018	Prof. Dr.N.J.Uke	Principal	Teaching Excellence Award 2018 by MT Research Educational Services
2018	Prof. Dr.N.J.Uke	Principal	Best Researcher Award by International Organization of Scientific Research Development
2019	Digambar Matale	Assistant Professor	NPTEL Elitegold
2019	Chanchal Kedia	Assistant Professor	NPTEL Successfully completed
2019	Digambar Jakkan	Assistant Professor	NPTEL Elitegold
2019	Deepthi Kulkarni	Assistant Professor	NPTEL Elite
2019	Digambar Jakkan	Assistant Professor	NPTEL Successfully completed
2019	Abhishek Shirle	Assistant Professor	NPTEL Elitegold
2019	Ankur Burade	Assistant Professor	NPTEL EliteSilver
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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	CIVIL,MECH	SEMII	06/06/2019	14/08/2019
ME	CIVIL,MECH	SEMI	29/12/2018	18/03/2019
BE	E,ETC,MECH	SEMII	29/05/2019	21/07/2019
BE	CIVIL,CE,ETC,MECH	SEMI	13/12/2018	12/02/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

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/induction programmes is scheduled at the beginning of the semester. 2. Teaching plan is prepared by all faculty members for monitoring syllabus completion 3. Academic calendar is prepared for continuous internal evaluation and exam dates 4. Students are given awareness session on Termwork evaluation 5. Midterm Practical oral submission 6. Mock Exams are conducted before SPPU Practical/Oral examination 7. Project/Seminar reviews are held thrice a semester 8. Poster presentation on Projects are scheduled every semester 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 SPPU University Examination.

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

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, midreview of attendance and defaulter list, schedule of SPPU examination and tentative schedule of Endsemester 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 teachinglearning 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](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](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](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](http://www.kjei.edu.in/tae/academics/Degree/department/entc/entc_dept_obj.html)  
ETC Dept.

## 2.6 – Student Performance and Learning Outcomes

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

<http://tae.kjei.edu.in/outcomes.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BE ETC	BE	ELECTRONICS & TELECOMMUNICATION	20	17	85
TE ETC	BE	ELECTRONICS & TELECOMMUNICATION	9	2	22
SE ETC	BE	ELECTRONICS & TELECOMMUNICATION ENGINEERING	6	1	17
BE COMP	BE	COMPUTER ENGINEERING	35	30	86
TE COMP	BE	COMPUTER ENGINEERING	35	15	43
SE COMP	BE	COMPUTER ENGINEERING	49	17	35
ME CIVIL	ME	CIVIL ENGINEERING	8	8	100
BE CIVIL	BE	CIVIL ENGINEERING	112	85	76
TE CIVIL	BE	CIVIL ENGINEERING	112	28	25
SE CIVIL	BE	CIVIL ENGINEERING	127	17	85

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## 2.7 – Student Satisfaction Survey

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

[https://tae.kjei.edu.in/images/Student\\_Satisfaction\\_Survey\\_2018-19.pdf](https://tae.kjei.edu.in/images/Student_Satisfaction_Survey_2018-19.pdf)

### CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

#### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Seminar: "LEX"	Computer Engg.	06/03/2018
Seminar: "Introduction to CNC Programming"	Mechanical Engg.	23/08/2018
Seminar: "Product Design Modelling"	Mechanical Engg.	29/08/2018
Seminar: "International Student Leadership Life Skill development"	Mechanical Engg.	19/09/2018
Workshop: "Total Station"	Civil Engg.	29/03/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Surface Engineering for Corrosion and Wear Resistance Application	Mr. Mahesh A. Bhandare	The National Program on Technology Enhanced Learning (NPTEL)	24/07/2018	Topper of the course at National Level
Design Analysis of Wire Rope Reeling MACHINE	Mr. Jimeet Gohil Mr. Pritam Koli Mr. Divyesh Sidhpura Mr. Tejas Rohit	KJEI's Trinity Academy of Engineering, Pune	14/04/2019	Best Project Award
Redesigning Chimney Against Fouling to Enhance Its Efficiency	Mr. Viraj Divekar, Mr. Shubham Dongare Mr. Vishal Pampatwar	G. H. Raisoni Institute of Engineering Management, Pune	18/03/2019	1st Rank in poster Presentation in National level Technical Event (Technowave 2K19 )
Redesigning Chimney Against Fouling to Enhance Its	Mr. Viraj Divekar, Mr. Shubham Dongare Mr. Vishal	PDEA's College of Engineering Manjari	28/02/2019	Technical Paper Presentation in National level(

Efficiency	Pampatwar			FUTURIZM-2019)
Redesigning Chimney Against Fouling to Enhance Its Efficiency	Mr. Viraj Divekar, Mr. Shubham Dongare Mr. Vishal Pampatwar	G. H. Raison Institute of Engineering Technology, Wagholi, Pune	22/02/2019	2nd Prize in Technical / Research Paper Competition for students-2019 in TRPCS 2K19
Redesigning Chimney Against Fouling to Enhance Its Efficiency	Mr. Viraj Divekar, Mr. Shubham Dongare Mr. Vishal Pampatwar	Bharati Vidyapeeth's College of Engineering Lavale, Pune	28/03/2019	Participation in National Level Project Competition Exhibition
Skin disease detection using image processing	MORE JYOSTNA SANJAY BHADALE PRACHI VIJAY GIRIJA S. LONKAR MAHESH CHANDKI	TCOEMR	07/01/2019	1st Winner
Bike Black Box	MUZZAMIL SHAIKH MOHD IDRIS SHAIKH KANGUTKAR SHUBHAM C SHAIKH ABDULKADIR R.	TCOEMR	07/01/2019	2nd Winner
Real Time Vehicle Security Using TPMS	PATIL ABHILASHA SACHIN SHAIKH DESAI MOHD YASEEN SHAFIQUE HRISHIKESH JAMDAGNI PARAG P. KHAMKAR	TCOEMR	07/01/2019	3rd Winner
Trinity Distinct Teacher Award	Mrs. C. P. Kedia	KJEI, Pune	26/01/2019	Institute level Award for good teaching techniques
<a href="#">View File</a>				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	TAE Business Incubation Center	KJEI, Pune	SS Foam Industries, Chimbale, Shrigoda	Home Decor Services	14/10/2019
1	TAE Business Incubation Center	KJEI, Pune	Yewaleamrutulya	Tea Shop	05/01/2018
1	TAE Business Incubation	KJEI, Pune	Insculpt Technol	Software Company	23/05/2019



	Center				
1	TAE Business Incubation Center	KJEI, Pune	Bohnen Nuttri, Satara	Soya Paneer Manufacturing	01/09/2018
1	TAE Business Incubation Center	KJEI, Pune	Vivas Cafe	Coffee Shop	05/08/2019
1	TAE Business Incubation Center	KJEI, Pune	Rajrajeshwara PCB manufacturing and designing	Manufacturing and designing	16/08/2018
1	TAE Business Incubation Center	KJEI, Pune	Elecstark Technology	Electronics Electricals and IT Solutions	01/01/2018
<a href="#">View File</a>					

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Civil Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	COMPUTER ENGINEERING	Nil	0
National	CIVIL ENGINEERING	4	0
National	ELECTRONICS TEL ENGINEERING	12	0
International	COMPUTER ENGINEERING	13	0
International	CIVIL ENGINEERING	21	0
International	ELECTRONICS TEL ENGINEERING	3	0
International	MECHANICAL ENGINEERING	24	0

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



Department	Number of Publication
Computer Engineering	22
Civil Engineering	4
Mechanical Engineering	Nil
ETC Engineering	2
<a href="#">View File</a>	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Accurate Face Tagging with Efficient Regularizer and Distance Metric Algorithm	Dr. Nilesh J. Uke	International Conference On Advances in Communication and Computing	2018	1	Trinity Academy of Engineering	1
Alternate and Low Cost Construction Material and Techniques	Dr. Satish S Deshmukh	International Journal of Science Technology Engineering	2018	1	Trinity Academy of Engineering	1

[View File](#)

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Accurate Face Tagging with Efficient Regularizer and Distance Metric Algorithm	Dr. Nilesh J. Uke	International Conference On Advances in Communication and Computing	2018	7	1	Trinity Academy of Engineering

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

Number of Faculty	International	National	State	Local

Attended/Seminars/Workshops	4	22	4	4
Presented papers	3	Nil	Nil	Nil
Resource persons	Nil	1	Nil	Nil
<a href="#">View File</a>				

### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Grocery donation to Orphanage	Astitwa Pratishtan TAE, Pune	1	12
Cleaning of Malhargad	Saswad City Youth Organization	1	15
Camp at Veer 7 Days	NSS SPPU PUNE	4	100
<a href="#">View File</a>			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NSS Camp at Veer	Rs.590/Student	SPPU, Pune	100
NSS Regular Activity	Rs. 250/Student	SPPU, Pune	200
<a href="#">View File</a>			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	SPPU PUNE	Tree plantation	4	100
NSS	SPPU PUNE	Blood Donation camp	10	200
NSS	SPPU PUNE	Swachh Bharat	8	150
NSS	DTE, Mumbai	State Level Essay Speech Competition on occasion of Mahatma Gandhi 150th Birthday	10	52
NSS	DTE, Mumbai	Swacchata Abhiyaan on	8	172

		occassion of Mahatma Gandhi 150th Birthday		
Student Chapter	DTE, Mumbai	Marathi Bhasha Din	2	18
<a href="#">View File</a>				

### 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
Soft Skill Training by Seed infotech	194	Self	3
Employability Enhancement Program and Job Orientation Course	194	Self	13
First Naukri Test	221	Self	1
Fuel Skill Assessment Test	195	Self	1
Zensar ESD	20	Self	30
Qspider Training Program	4	Self	90
ACE Academy Training Program	50	Self	60
Career counselling by TPO	250	Self	20
<a href="#">View File</a>			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project Work	Quality Improvement using six sigma tools	Shree sai power control pvt ltd	18/06/2018	22/04/2019	3
Project Work	Redesigning of boiler chimney against fouling to enhance the efficiency of boiler	Vedant Enterprises, Talawade, Pune	18/06/2018	22/04/2019	3

Project Work	Design and Manufacturing of Thermosyphon Heat Pipe to improve Heat Transfer	Golden Star Technical Services PVT Ltd, Bhosari ,Pune	18/06/2018	22/04/2019	4
Project Work	PPAP New development of Part	Magnum Solutions, Pune	18/06/2018	22/04/2019	2
Project Work	Study of Mould flow analysis and impact analysis	DRDO, ARDE Pashan	18/06/2018	22/04/2019	4
Project Work	Design and Manufacturing of Thermocol Cutting Machine	ASHA Enterprises, Pune	18/06/2018	22/04/2019	4
Project Work	Cold rolled Formed Steel Structures	Ecostruck Pvt.Ltd	18/06/2018	22/04/2019	5

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Magnum Solutions	17/12/2018	Inplant Training, Mini Project Work for SE TE and Support for technical events	1
Youthcon	01/07/2019	Student Development Program, Project and Entrepreneurial Development	1
ZENSAR	10/03/2018	Students Aptitude Training, Placement	17
Gloss read	17/01/2019	Students Training, Placement	10
SEED	01/01/2018	Students Aptitude Training	30
Ecostruck Pvt.Ltd.	09/04/2018	Student Development Program, Project and Entrepreneurial Development	5

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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
18.96	11.73

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

### 4.2 – Library as a Learning Resource

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

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

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	9975	4511812	15	8120	9990	4519932
Reference Books	142	147223	Nill	Nill	142	147223
e-Books	111	Nill	Nill	Nill	111	Nill
Journals	64	179204	Nill	Nill	64	179204
e-Journals	2	500849	Nill	Nill	2	500849

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under

Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. Darade Santosh A	YouTube	Internet	25/12/2019
Mrs. Patil Sonalis	YouTube	Internet	25/12/2019
Ms. Kedia Chanchal P	YouTube	Internet	25/12/2019
Mr. Devare Avinash S	YouTube	Internet	25/12/2019
Mrs. Patil Pratima R	YouTube	Internet	25/12/2019
Mrs. Jadhav Sheetal S	YouTube	Internet	25/12/2019
Mr. Tandale Suraj C	YouTube	Internet	25/12/2019
Mr. Shirle Abhishek C	YouTube	Internet	25/12/2019
Mr. Kulkarni Kedar M	YouTube	Internet	25/12/2019
Mr. Dukale Deepak B	YouTube	Internet	25/12/2019
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	531	15	50	1	1	1	5	50	0
Added	0	0	0	0	0	0	0	0	0
Total	531	15	50	1	1	1	5	50	0

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

50 MBPS/ GBPS
---------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
e-content	<a href="https://tae.kjei.edu.in/images/learning.pdf">https://tae.kjei.edu.in/images/learning.pdf</a>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
21.93	21.03	3.55	2.17

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

The institute 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 nongovernmental organizations for conducting the exams like MHCET, 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.

<https://tae.kjei.edu.in/images/Policy.pdf>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	KJEI Scholarship	42	1305713.5
Financial Support from Other Sources			

a) National	DrPunjabrao Deshmukh Vastigruh Nirvah Bhatta Yojna(DTE)	170	4166000
b)International	NIL	Nil	0
<a href="#">View File</a>			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Counselling- Do and Dont in Interview Process	16/10/2019	160	Rajesh Vartak-Seed Infotech
MICROSOFT CERTIFICATES	20/02/2019	12	ATS National MICROSOFT CERTIFICATION
International Yoga day Celebration	21/06/2019	150	Trinity Academy of Engineering, Pune
Youth Empowerment by Yoga Meditation	20/09/2018	100	Trinity Academy of Engineering, Pune
Personal Counselling and Mentoring	20/08/2018	194	Seed Infotech
Soft skill Training	06/09/2019	194	Seed Infotech
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Employability Enhancement Program and Job Orientataion Course	Nil	184	Nil	44
2018	First Naukri Test	Nil	121	Nil	22
2018	Fuel Skill Assessment Test	Nil	195	Nil	18
2018	Qspider	Nil	4	Nil	3



2018	Vani Institute	50	Nil	Nil	Nil
2018	ACE Academy	50	50	Nil	Nil
<a href="#">View File</a>					

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

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

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Grossread	2	1	Amazon India	58	3
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	Bachelor of Engineering	Electronics Telecommunication	IISST, Chennai	M.Tech
2019	1	Bachelor of Engineering	Electronics & Telecommunication	Kaunas University of technology	MS
2019	1	Bachelor of Engineering	Electronics & Telecommunication	University of Texas, Arlington	MS
2019	1	TAE Pune	Civil	VIIT Pune	M.Tech
2019	6	TAE Pune	Mechanical Engineering	TAE Pune	ME (Design)
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
GRE	1
TOFEL	1

Any Other	1
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
The Cultural Event Of KJEI-Dance	Institute	13
The Cultural Event Of KJEI-Drama	Institute	2
The Cultural Event Of KJEI-Anchoring	Institute	5
The Cultural Event Of KJEI-Singing	Institute	3
The Cultural Event Of KJEI- Fashion Show	Institute	2
The Cultural Event Of KJEI-Mr.Ms. KJEI	Institute	2
Firodiya (One Act Play State Level Compition)	University	18
Bharat Karandak (University Level Inter-College Drama Competition)	University	29
Suman Dandiya	Institute	7
Inter Collegiate Cricket Tournament	University	16
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
<b>No Data Entered/Not Applicable !!!</b>						
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#### 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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, counseling to students and take suggestions if required .It acts as a voice between Management, Faculty, Student Organizations, and the Student Body. A team of good hard working, talented students comes forward and work together for betterment of college and society. All engineering students submit suggestions for improvement of academics, student curricular and extracurricular activities. Any direct or indirect issues are been sought out and students feel free to reach out any of the member any time. Student Council conduct monthly meetings as well as and various events throughout the academic

year for all students. A Student Council have set its own objectives, Some general objectives include: Ø To enhance communication between students, management, staff and parents Ø To promote an environment conducive to educational and personal development Ø To promote friendship and respect among pupils Ø To support the management and staff in the development of the college Ø To represent the views of the students on matters of general concern to them

Various activities are conducted and coordinated by the by these student council. Ø Any Placement activity conducted in college is supported by these students. The complete process of placement activity with arrangement of various HRs is taken care of. Ø Various Guest lectures are been coordinated by student council after taking feedback of other students in which they require upgradation. Ø Youth fest, a cultural event and Sports day conducted in our campus is been smoothly coordinated by active members of student council. No discrepancy is seen through out the event with hand in hand work of faculty and students here. We even offer various training to these student council to boost their management skills. Different sessions are conducted by senior faculty and even few renowned personalities from outside are called to boost confidence and improve activities among students. Placement point of view these students are upgraded with management skills and perform excellent in their professional life. This year we have formed Committee Members with various class students among that General Secretary (GS) is Pushpanjali Puneekar with members and Cultural Secretary (CS) Male: Gaurav Gawade and Female: Abhilasha Patil, other than this we have Lady Representative (LR), Sports Representative , NSS Coordinator, Representative from Reserved Category and Class representatives of all classes of all branches.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

1715

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

KJEI Grand alumni meet organized by KJ Institute on 8 sept 2018 in KJ auditorium. Guest was Shri Pandurang Pole (IAS) and Shri Ajay Dhoke (IRS). Meeting was organized for all passout batch before 2018. Alumni meet and convocation ceremony organized by Trinity Academy of Engineering on 23 Feb 2019 in TAE Seminar hall. Gest was Dr N J Uke, Principal and HoD of all departments. Meeting was organized for passout batch of 2018.

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

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

The Institute believes in promoting a culture of decentralized governance system with welldefined interrelationships. ? Head of Departments and faculty members are empowered for expenditure towards conduction of Guest lectures, seminars and value added programmes, workshops or purchase of books throughout the year. The Top Management has a welldefined procedure to monitor effective and efficient utilization of available resources for infrastructure,

development and teaching learning process. All the major financial transactions are monitored by the Finance Director and approved by the President and Secretary. Institute has also a welldefined policy for handling the available financial resources. At the start of every financial year the estimated budget from each department is collected. This estimated budget is based on the requirements raised by the individual faculty and staff. The faculty and staff will decide the requirements as per the syllabus in consultation with the Head of the Department. The due consideration is also given while determining this requirement to Research and Development, Training and Placement, Incubation activity, Consultancy activity, etc. ? Subject teachers and Lab incharges have financial autonomy for Lab Maintenance and any prochurment towards upkeep of the equipment. In the beginning of every academic year, the budget is prepared by various departments and sections in the prescribed format as per the circular issued by the Principal. Budget for the departments is prepared by concerned HODs, in consultation with the department laboratory incharge and other faculty. Then it is sent to the Principal. The departmental budgets are discussed by the Principal at HOD's meeting and then sent to director finance and finally to the management for consideration. Then it is put up to the GB for final approval. While preparing the institutional budget, at first, a provision is made for salaries and allowances. Next, a provision is made for administrative and maintenance expenses such as electricity, water, telephone, postage etc. Then, while making provisions for the departments, priorities, needs and requirements of various committees and development / upgradation of department is considered. Requisition (indent) for the required item/consumables/material should be raised by the staff/lab in charge and submitted to the Head of Department for scrutiny and approval from the Principal.

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

Partial

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	? Teachers are encouraged for active participation in Savitribai Phule Pune University (SPPU) Syllabus revision, detailing, Paper Setting, Chairman for subject, internal and external examiners for Practical/ Oral, Theory Examinations. ? All faculties are encouraged for Training on internal grooming and positive attitude. ? All faculties are encouraged for Training on Communication and Soft skills training.
Teaching and Learning	? Academic Calendar is prepared and circulated to all faculty members and students and all stakeholders follows Academic Calendar Strictly. ? Faculty members prepares their lecture plan in the beginning of the semester. ? Content updation of course files for content beyond the syllabus, assignments, new question papers/bank etc. ? Faculty members are encouraged

to use Various ICTs ? Midterm and End term submissions are taken as per the guidelines given by SPPU and continue assessment of student is monitored. ? Lecture notes/course material, PPT's should be provided to students through ELS. ? Question Bank should provided to First Second Year Students for online examination. ? Seminars and Workshops should be 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**

? Faculties and students are encouraged for Paper Publication in Reputed national and international Journal with high impact factors. ? Faculties and students are encouraged for research proposals for various funding agencies like DRDO, DST, AICTE, ISRO, BOD etc. ? Faculties and students are encouraged for Patent file and Publication in india and USA. ? Students are encouraged to participate in project exhibition, project and seminar competitions, paper presentation in various national and international conferences. ? Faculties and students are encouraged to attend "Intellectual property rights" related seminar, workshop etc. ? Faculties and P. G. students are encouraged to take the admission for Ph.D. and required "No Objection Certificate" and other help is given by college. ? We have 5 faculty members having PhD out of which 2 faculty members have completed their Ph.D in this academic year. ? More than 05 faculty members pursuing their Ph.D. in various institutes / University.  
Library, ICT and Physical Infrastructure / Instrumentation: ? We have Digital Library for accessing

various eJournals, NPTEL videos Lectures, DELNETDeveloping Library Network, Shodhganga@INFLIBNET Centre provides a platform for research students to deposit their Ph.D. theses and make it available to the entire scholarly community in open access. The repository has the ability to capture, index, store, disseminate and preserve ETDs submitted by the researchers etc. ? We have Physical infrastructure and instrumentation as per norms of AICTE. ? We have access to ELS (Electronic Learning System) for accessing lecture notes, PPT's, Videos, Question Bank etc. for the students of each department

Library, ICT and Physical Infrastructure / Instrumentation

? We have Digital Library for accessing various eJournals, NPTEL videos Lectures, DELNETDeveloping Library Network, Shodhganga@INFLIBNET Centre provides a platform for research students to deposit their Ph.D. theses and make it available to the entire scholarly community in open access. The repository has the ability to capture, index, store, disseminate and preserve ETDs submitted by the researchers etc. ? We have Physical infrastructure and instrumentation as per norms of AICTE. ? We have access to ELS (Electronic Learning System) for accessing lecture notes, PPT's, Videos, Question Bank etc. for the students of each department

Human Resource Management

The Trinity Academy of Engineering Human Resources Policy Manual is designed to provide a clear statement of the Management's Human Resources policy. The policies contained in this manual are in keeping with the values and goals of the Institute. These policies should be used to inform and guide daytoday human resources decisions. The Management and Principal understand that department heads need guidance in order to effectively recruit hire and promote employees. Since laws concerning employment issues are constantly changing, it is important that our policies are made up to date and department heads are kept abreast of them. Faculty improvement programs for enhancement of quality of teachers. Welldefined recruitment policy based on merit of the applicants within the general framework Providing

a better teachinglearning environment in the Institute. Providing on duty leave to the faculty for attending seminars, symposia, workshops, invited lectures and research oriented activities. This includes the policies regarding: ? Faculty improvement programs for enhancement of quality of teachers. ? Welldefined recruitment policy based on merit of the applicants within the general framework ? Providing a better teachinglearning 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

? Industry Institute Interaction cell conducts Employability and Skill development (ESD) programme every year for students in collaboration with various industries. ? Industry Institute Interaction cell provide summer or winter Internship programmes in collaboration with various industries. ? Industry Institute Interaction cell provide sponsored projects to the students of final year for good industry exposure. ? Memorandum of Understanding is signed by various industries for Guest Lecture, value added Programs, training and recruitment.

Admission of Students

? Admission notifications are given by the direct technical education, Maharashtra on their website. ? The institute continuously offers the advertisements in leading State and country level news papers at the time of admission process. The advertisement contains detailed information about courses, eligibility, process of admission and academic as well as support facilities. ? Admission process publicity is followed by education fair tie up with country level news papers. The Publicity seminar is done at the prime locations in Pune nearby areas by establishing the desk. ? The seminar on general awareness about education in engineering is delivered to various schools colleges with innovations done in various branches in engineering. Admission process mentioned on college website <http://www.kjei.edu.in/tae/>



Institute provides all the relevant information to the student through separate admission cell. ? The admission cell also provides guidance for parents as well as students about the scope of engineering courses and its importance in future. ERP System is deployed to ensure the admission process at institute right from registration to till student is admitted in the institute. Admission Cell is established to ensure smooth and systematic execution of admission process under DTE. ? Trinity Academy of Engineering is part of Centralized Admission Process (CAP) which is run by DTE, Government of Maharashtra, which ensures the transparency in admission process of students. Out of total admission, 80 admissions are done through a Centralized Admission Process (CAP), which is an online admission process by D.T.E, Government of Maharashtra. ? The process is fully transparent for Institutes as well as Students. Student can fill up the online registration form on D.T.E. website in specified time. Student can also fill up option form using online portal. The remaining 20 Institute intake seats are filled at the Institute level as per the admission rules of Direct Technical Education. First advertisement is given in leading news paper for Institute level quota. All the applications are collected for Institute level quota. Then according to merit admission procedure is completed.

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

E-governance area	Details
Finance and Accounts	<p>? Tally is used to keep records of finance and accounts. ? Recommend allocation of budget for the departments as requested by the Head of Departments to Governing body. ? Authorization for advances for urgent purchases required in the institute to ensure that all financial transactions are conducted as per the norms.</p>
Planning and Development	<p>The Institute has a perspective plan for development. It is developed by Principal with the help of HOD's of various departments under the guidance of GB. Based on the academic schedule given by the affiliating university,</p>



academic calendar is prepared by the Planning Committee. The academic calendar includes the list of pre planned programs of various departments and examination schedules prepared with the knowledge of HOD's. To ensure the development of the Institute, all the planning and execution is monitored regularly. Provision of adequate annual budget is the part of the development plan. The aspects to be included in the perspective plan will be drawn from the following committee recommendations with priority.

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 Savitribai Phule Pune University portal and URL is <http://qpd.unipune.ac.in/Auth/Login.aspx> ? Online Internal Marks entry is done by respective teachers through marks entry portal of Savitribai Phule Pune University and URL is [intmarks.unipune.ac.in](http://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.

Student Admission and Support

? As per the admission process by the state Government, DTE students are admitted to college and support is given to fill forms for admission and scholarship process and URL is <http://www.dtemaharashtra.gov.in/> ? The needy students who didn't get any financial assistance by government were given concessions by Honorable President of Mr. Kalyan Jadhav sir as KJEI scholarship on their individual applications. ? The management provides 30 to 70 of tuition fee concession for selected Students. For some special case, the management provides 100 tuition fees concession, free mess and hostel accommodation. ? students receiving financial assistance from various government agencies such as for social welfare, economically backward, minority.

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
2018	Mr.D.G.Matale	State level workshop	MIT Kothrud	500
2018	Mrs.Pratima Patil	FDP Lab Practice I	MMCOE	1000
2018	Mr.Trupti Thite	Faculty orientation program	MMCOE	450
2018	Mr.Prasad Suryawanshi Mrs.Supriya Burgul	FDP	SKN Sinhgad	8500
2018	Mr.Digamber Jakkan	Faculty orientation program	RMD, Sinhgad school of Engg., Warje	900
2018	Mrs.Kranti Patil	Orientation program	Zeal college of Engg.	1500
2018	Mr.Yameen Hakim	FDP	Bharati Vidyapeeth	1500
2018	Mr.Santosh Darade	FDP	MIT College	800
2018	Mr.M.N.Chandan	Workshop	SNJBS, KBJain College of Engg.	400
2018	Mr.D.A.Jakkan	International conference on smart internet of everything	MIT School of Engg.	450

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

Year	Title of the professional development	Title of the administrative training	From date	To Date	Number of participants (Teaching	Number of participants (non-teaching
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	programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
2019	Faculty Development Program on Cyber Security	Training on " Attendance Improvement Student Discipline in office",	10/06/2019	15/06/2019	50	20
2018	Faculty Development Program on "Moodle Training"	Training on " NSS Camp, Action plan for 2019-20 Admission"" ,	13/08/2018	13/08/2018	25	19
2018	Faculty Development Program on "How to write Research Paper"	Training on "Admission Process 2019-20"	14/08/2018	14/08/2018	28	26
2018	Faculty Development Program on "Efficient use/search of Google"	Nil	29/08/2018	29/08/2018	37	Nil
2018	Faculty Development Program on "Financial Management "	Nil	11/10/2018	11/10/2018	40	Nil
2018	Faculty Development Program on "New Age Learning in 21st Century"	Nil	17/10/2018	17/10/2018	100	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development	Number of teachers who attended	From Date	To date	Duration
---------------------------------------	---------------------------------	-----------	---------	----------

programme				
Faculty Development Program on LP-II	1	16/07/2018	18/07/2018	2
Faculty Development Program on LP-III	1	18/12/2018	19/12/2018	2
Faculty Development Program on data analytics	1	22/06/2018	23/06/2018	2
Data Mining	1	02/03/2018	30/03/2018	56
Sales force ADM certification	1	06/05/2019	23/05/2019	18
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
108	108	46	46

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
? Employee Provident Fund ? Medical Leave ? Maternity Leave ? Winter Summer Vacation ? On duty leave for FDP, Industrial Visits, Workshops, Conferences SPPU. ? Study Leave	? Employee Provident Fund ? Medical Leave ? Maternity Leave ? Earned Leave ? Study Leave	? KJEI scholarship ? Skill/Communication development training ? Fee Concession ? Earn Learn Scheme ? 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 (with in 100 words each)

Institution conducts internal and external financial audits regularly: YES The institute has mechanisms for internal and external audit. Internal audit is carried out periodically. External audit is carried out once a year. External Auditor verifies all receipts expenses bills, payments of the Financial Year (FY). Policy for Internal Audit KJ's Educational Institute Trinity Academy of Engineering follows the Quarterly internal Audit Policy . The Internal Audit has been made by each other KJEI colleges running in our Campus the accountant from the Trust office. While Internal Audit all receipts payments, Bills, Cash payment vouchers, sanctioned has been checked and the report of query has been put for further action in the account department. The account department has issued notice for outstanding fees from the students office advances made for various expenses with the help of Quarterly Audit Report. The Account department also verifies the payment made to supplier the status of material. Policy for External Audit External Audit has been made half yearly by external firm M/s P.C.Patil Associate. The persons from the Auditors office have personally visited our college and checking all receipts payments, Bills,

Vouchers, Cashbook, Bank statement, Statutory Dues etc. While finalization of the Audit Report each and every entry put in the Tally has been verified mainly reconciliation has been carefully done by the Auditor. The auditor has also checked Dead Stock Register before making Depreciation on the equipment. The auditor has also checked whether the salary and other advances likes Basic, AGP, D.A., HRA, TA, LCA has been paying as per norms of Government other Bodies.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Jalyukt Shivar Yojana	103817	External Audit
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

7050000
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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AICTE	Yes	IQAC
Administrative	Yes	P.C.Patil Asso.	Yes	KJEI Pune

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

? ParentTeacher 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)

1. NPTEL local Chapter is established and faculties, students are encouraged to enroll for various NPTEL courses, Faculty Development Program, refresher program etc. 2. Faculty members are encouraged to take admission for PhD in various institutes and universities. 3. Reading Room capacity in library is increased up to 200 Square Meter.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Faculty Development Program on Cyber Security	10/06/2019	10/06/2019	15/06/2019	50
2018	Personal Counselling and Mentoring	20/08/2018	20/08/2018	05/09/2018	194
2018	Youth Empowerment by Yoga Meditation	20/09/2018	20/09/2018	20/09/2018	100
2019	Employability Enhancement Program	06/09/2019	06/09/2019	08/09/2019	194
2018	Counselling-Do and Dont in Interview Process	16/10/2018	16/10/2019	16/10/2019	160
2018	Soft Skill Training	20/08/2018	20/08/2018	08/09/2018	65

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**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
General awareness among girl students	14/08/2018	14/08/2018	60	Nil
Women's day celebration	08/03/2019	08/03/2019	24	56

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

Percentage of power requirement of the University met by the renewable energy sources
Alternate Energy initiatives Percentage of power requirement of the College met by the renewable energy sources 7.1.2.1 Annual power requirement met by the renewable energy sources - 48,384 KWH 7.1.2.2 Total annual power requirement 86,400 KWH Environmental Consciousness 1) Tree plantation • Approximately 43 area of 110 Acres campus (i.e. 47.3 Acres) is covered with plant lawns. Regular maintenance of plants 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), and NSS (National Service Scheme). 2) Sewage Treatment Plant • The institute is having Sewage Treatment Plant (STP). The purified water is used for gardening and flush. 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 increasingly 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 liters of rainwater during monsoon season. This helps to recharge the tubewell 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

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1006
Ramp/Rails	Yes	4
Braille Software/facilities	No	Nil
Rest Rooms	Yes	1006
Scribes for examination	Yes	2
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	10

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	01/03/2019	2	Road Safety	Wear the helmet regularly while riding	35
2018	1	1	29/12/2018	1	Cyber Security	Effective	50

uses of internet

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

Title	Date of publication	Follow up(max 100 words)
Duties Responsibilities Of Staff, Functions Of Various Committees Procedures	01/01/2018	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. 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.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Moodle Training	13/08/2018	13/08/2018	25
How to write Research Paper	14/08/2018	14/08/2018	28
Efficient use/search of Google	29/08/2018	29/08/2018	37
Financial Management	18/10/2018	18/10/2018	40
New Age Learning in 21st Century	17/10/2018	17/10/2018	100

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

1) Efficient use of Electrical Energy: • Program of 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. • 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 every classroom labs. • The Institute celebrates 14th December as "Energy saving is energy generation" day on account National Conservation Day. 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 event or product. • 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 • Due to advancement in technology, various types of electronic gadgets are being manufactured and marketed. These products become outdated 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. Therefore, management of Ewaste is an important issue. Ewaste management is done by collecting all the electronic waste generated in the institute premises at a central storage space allocated for the same and sent for recycling through an Ewaste 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 its effective management in the campus by reuse of one sided used papers for college documentations.

5) Liquid Waste Management • Liquid Waste from the wash rooms is conveyed to Sewage treatment plant. The purified water is used for gardening and flush. The capacity of STP is 450 cubic meter / day.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**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 2025 students as their Teacher Guardian.
- The role of the faculty as Teacher Guardian is to continuously monitor the academic performance of 2025 students such as daily attendance of the lectures and practical, reporting he absenteeism of the students to their parents telephonically, monitoring their performance in internal examinations and conducting meetings with them regularly to discuss and address their academic as well personal problems.
- The slow learners are identified by respective TG based on academic monitoring. The extra classes are arranged if needed.
- 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 TG and thus they are also involved in this process.
- Teacher Guardian takes the problems faced by the students like poor academic performance, problems related to infrastructural facilities, and even personal problems also discussed to bring solution on that.
- 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 the TG and student which is the main goal of this program. This in turn develops a sense of confidence, support and security in the students and they come 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 come up in the TG meetings and they have been addressed by the faculty members. • Problems like need of fans and tube lights in new class room in Civil department, etc. came up in the TG meetings and subsequently, these facilities were provided to the students. • Students had difficulty in understanding the teaching of some staff members. The concerned staff members were counseled by the 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's placement ready or ready to go 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 carries on activities like practicing aptitude, group discussion, 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: o Enhance the employability. o Prepare students for entrepreneurship. o Prepare students for higher education in India and abroad. The practice: • Aptitude Enhancement: aptitude tests are of paramount importance to prospective job seekers in today's competitive job market. employers use aptitude tests to distinguish between candidates and a poor score on a numerical or verbal reasoning aptitude tests could be the difference between getting an interview or not. • 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 that 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: domain knowledge is the basis of the job the students will be acquiring 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. If you know how to operate Microsoft tools then it is a plus because many companies today use software in their computers. All the activities of the student training program are conducted by faculty who has their expertise in respective areas. Personal and Career Goal Setting, Behavioral Skills, Public Speaking, Presentation Skills, Resume Writing, Listening Skills, Group Discussions, Report Writing, Letter/ Application Writing, Listening Skills Session Reading Skills Session, Writing Skills Session, Speaking Skills Session, Signal Processing , Programming Language, Electronic Circuit Design, Embedded System, Group Discussion ,Personal Interview, Assembly and disassembly of Mechanical system like I/C engine and M/C Tool System, Skills in varies 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" 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 is conducted in Final year of the course.

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

institution website, provide the link

[https://tae.kjei.edu.in/images/Best\\_practices.pdf](https://tae.kjei.edu.in/images/Best_practices.pdf)

### 7.3 – Institutional Distinctiveness

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

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 worldclass 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 fulfill all basic needs of all students. The teaching program gives emphasis on practical approach through IndustryInstitute 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 cocurricular 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 fulfill 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. Underprivileged engineering aspirants from Gadchiroli, Chandrapur different districts of Maharashtra state are identified and are admitted to engineering courses with full sponsorship by KJEI trust towards tuition fee, lodging boarding. Under this scheme 42 students were admitted in academic year 201819. Also the meritorious students from economical backward class are provided with the freeship for quality education by KJEI trust other than government assistance.

Provide the weblink of the institution

[http://tae.kjei.edu.in/images/Institutional\\_Distinctiveness.pdf](http://tae.kjei.edu.in/images/Institutional_Distinctiveness.pdf)

### 8.Future Plans of Actions for Next Academic Year

The plan of action for the academic year 20192020 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 201920 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 counseling 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/nonteaching staff. ??To introduce fully ebased 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  
interinstitutional collaboration