Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**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**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
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**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.kjei.edu.in/tae/images/AQAR(18-19).pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.kjei.edu.in/tae/images/AcademicCalendar(2019-2020).pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	**A**	**3.02**	**2017**	**30-Oct-2017**	**29-Oct-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**10-Oct-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
GTT Barclays	**12-Sep-2019**	**74**

	8	
Aptitude Training	11-Oct-2019 5	124
Zensar ESD Training	20-Dec-2019 10	24
ELQ Training	10-Aug-2019 12	194
MICROSCOFT CERTIFICATES	20-Feb-2019 1	12
International Yoga day Celebration	21-Jun-2019 1	150
Youth Empowerment by Yoga & Meditation	20-Sep-2019 1	100
Personal Counseling and Mentoring	20-Aug-2019 15	194
Soft Skill Training	06-Sep-2019 3	194
Counseling- Do and Don't in Interview Process	16-Oct-2019 1	160
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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
NIL	0	NIL	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File]()
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**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. ? More number of students and faculty members are enrolled for NPTEL certificate courses. ? More number of faculty members registered for PhD.

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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	Research proposals sent to SPPU, Pune under ASPIRE scheme and to the AICTE under MODROB scheme.
Fulfilling social responsibilities	Funds are collected for Kolhapur-Sangali Flood Relief Fund under CSR and Passport Mela is conducted in institute. Department of Civil Engineering of institute audited various soil and water conservation projects of Government of Maharashtra.
Online Certification courses	Established NPTEL and SWAYAM Local Chapter. Students and faculties are enrolled for certificate courses.
Development Programs	STP conducted for students on Placement opportunities and aptitude. Faculty members are promoted for PhD.
To create quality awareness	The IQAC, Principal and HOD have conducted regular meetings.
To collect feedback from parents and alumni	Feedback were collected on sample basis and analyzed. The consolidated reports were placed before the management for effective suggestions and implementation.
To collect feedback from students on quality parameters related to curriculum, teaching learning and evaluation process.	The feedback from students in each department is collected twice a semester and analyzed. Consolidated reports were sent to the departmental heads for communicating & discussing the results with the teachers. Letter of appreciation is given to the faculty members whose positive feedback score is more than 80%. Guidance and counseling is done for the faculty members who have feedback score less than 80%.
To Encourage meritorious faculty, and students to participate in different	Institute has given academic awards, best teacher's awards to the faculty

events.	members. The meritorious students were given letter of appreciation by the institute.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
General Body Meeting of KJEI Pune	**10-Dec-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**14-Sep-2017**

16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**13-Jan-2020**

17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton 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

1.1.1 Institution has the mechanism for well-planned curriculum delivery and documentation. KJEI's Trinity Academy of Engineering (TAE) is affiliated to the Savitribai Phule Pune University and follows the curriculum provided by the university. The institute implements a standard process of planning of the curriculum delivery. The institute ensures that the curriculum objectives are achieved through teaching - learning process. The faculty of the institute are encouraged for active participation in the syllabus design on Board of Study (BoS) meetings held by Savitribai Phule Pune University (SPPU). These meetings points are circulated to all the faculty members and interaction of faculty with experts from the various institutions is successfully achieved. Our institute has organized the various faculty development Programs/ Workshops/ Short Term Programs on effective syllabus implementation also participation in the all above activity conducted by any other institutes. We conduct industrial visits which help students to get curriculum feedback and to know more about skills and techniques required to develop. According to that we inculcate and update students as well as faculties. Students those are weak in studies, institute conducts extra classes / practical to cope up their needs. Apart from courses in program affiliated to SPPU, institute offers value added certificate courses. Institute organize certified government skill development programs in the campus. To enrich the curriculum delivery the institute organize various Guest lectures, Expert lectures, Workshops, Value Added Programme etc. We have teacher guardian (TG) scheme which monitor student's progress and council and guide them personally. Their personal & professional life is been counseled one to one 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. . 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. In new curriculum of SPPU contains project based learning for this requires continuous mentoring by faculty throughout the semester for successful completion of the tasks selected by students per batch. To know about Environment SPPU introduced the audit course for newly joined students as Environment studies for this institute organizes visits and tree plantation, campus clean, social cleanness and environmental awareness programme.3 week(2+1) induction programme for newly joined students is introduced to familiarize them to the new environment and encourage them to look beyond classroom, objective is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution help them build bonds with

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepren eurship	Skill Development
NA	NA	Nil	00	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year		
Programme/Course	Programme Specialization	Dates of Introduction
Nill	00	Nill
No file uploaded.		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	01/06/2019
BE	Computer Engineering	01/06/2019
BE	E&TC Engineering	01/06/2019
BE	Mechanical Engineering	01/06/2019
ME	Civil Engineering-Construction Management	01/06/2019
ME	Mechanical Engineering-Design Engineering	01/06/2019

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
Automation using Arduino and IOT	10/01/2020	59
SQL, soft skills and Time management	23/12/2019	20
Zensar Employability Skill Development Training	05/12/2019	74
Basics of Python with Hands on Practice	23/12/2019	40
Fuel Aptitude Championship Training	10/09/2019	174
GTT Barclays, Training on Employability Skills	13/04/2020	124
English Learning Qunatitative Training	14/08/2019	150
First Naukri Test	07/05/2020	147
Qspider Training Program	01/04/2020	28
Atos Syntel-Employability Skills	25/05/2020	148
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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	E&TC Engineering	3
BE	E&TC Engineering	4
[View File]()		

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

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? Centralized transparent Online Student Feedback System: Institute conducts feedback of each program of induction program and analyzed imitate modifies accordable. Which helps successes of program. The effectiveness of faculty members in content delivery and assessment are evaluated by students through the online feedback system twice in semester. Department Academic Monitor, Head of the Department and subject in-charges analyze the feedback, and then take the corrective actions. Appreciation letters are given to the faculties and staff based on their performance. The parameter to which the feedback is provided is as follows: Providing study material (Question Bank, Lesson Plan etc.) in advance, faculty coming to the class on time and engaging classes regularly, faculty's ability to explain concept and presentation on the subject area, faculty's ability to interact with students in the class, ability to take class audibly and clearly, completion of syllabus etc. Stakeholders Feedback:- The institute collects feedback from stakeholders for enriching the curriculum in following manner. ? During Induction Program feedbacks are taken from students and parent ? Mid-semester and End-semester online feedbacks are taken from students. ? Alumni feedback is taken during Alumni meet. ? Feedback is taken from recruiters when they come for campus recruitment. ? Parent's feedback is taken during parent's meet. ? Teacher feedback is taken during semester. 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
BE	Civil Engineering (FE)	60	14	8

BE	Computer Engineering (FE)	60	63	53
BE	Electronics & Telecommunication Engineering (FE)	60	8	3
BE	Mechanical Engineering (FE)	120	21	6
BE	Civil Engineering (DSE)	59	68	59
BE	Computer Engineering (DSE)	49	58	49
BE	Electronics & Telecommunication Engineering (DSE)	133	24	16
BE	Mechanical Engineering (DSE)	130	28	22
ME	ME Civil (Construction Management)	24	14	11
ME	ME Mechanical (Design Engineering)	24	11	9
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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
2019	761	40	91	2	6

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
93	56	6	20	1	6
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The goal of Teacher Guardian Scheme is Continuous monitoring of academic performance of students including their attendances and performance in internal exams. The institute has a Teacher Guardian (TG) scheme for all First, Second, Third and Final Year students. Under this scheme, one faculty is appointed for every 20-25 students as their Teacher Guardian. The role of the faculty as Teacher Guardian is to continuously monitor the academic performance of 15-20 students such as daily attendance of the lectures and practicals, reporting the 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 details of the above work are maintained in a booklet by the respective Teacher guardian. Parents are regularly informed about the performance of their ward by his Teacher Guardian and thus they are also involved in this process. The 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 solutions to 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 connection between the Teacher Guardian 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 Teacher Guardians like call records to the parents, Teacher Guardian meetings, minutes of the meetings, student performance etc. are recorded in a booklet which is maintained by each and every Teacher Guardian.The problems encountered are 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 meetings after college hours, Initially the students were wavering to speak about the problems then Teacher Guardian made them speak out by talking with them in an informal way. Many of the problems faced by the students have come up in the Teacher Guardian meetings and they have been addressed by the faculty members. The Problems like the need or maintainance for fans and tube lights in new classrooms etc. came up in the Teacher Guardian 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 Head of Department (HoD) and improvement was observed. At the time of the examination period students wanted to use the library beyond college hours so the library was open from 08:00 am to 08:00 pm.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
801	91	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
96	99	Nill	Nill	5

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mrs. Sarika Kale	Assistant Professor	NPTEL Elite Silver, NPTEL
2019	Mr. Ankur Burade	Assistant Professor	NPTEL Elite Silver, NPTEL
2019	Mr. Abhishek C. Shirle	Assistant Professor	NPTEL Elite Gold, NPTEL
2019	Mr. Pravin A. Manatkar	Assistant Professor	NPTEL Elite Silver, NPTEL
2019	Mr. Digambar	Assistant	NPTEL Elite

	Matale	Professor	Silver, NPTEL
2019	Miss. Supriya Sate	Assistant Professor	NPTEL Elite Silver, NPTEL
2019	Mr. Aadil Shaikh	Assistant Professor	NPTEL Elite Silver, NPTEL
2019	Mr. Chandan M N	Assistant Professor	NPTEL Elite Silver, NPTEL
2019	Mr. Kedar Kulkarni	Assistant Professor	NPTEL Elite Silver, NPTEL
2020	Mr. K. M. Kulkarni	Assistant Professor	Trinity Distinct Teacher Award, KJEI, Pune

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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	FE Engineering	II/FE	24/04/2020	03/12/2020
BE	FE Engineering	I/FE	22/11/2019	11/02/2020
BE	Computer Engineering	II/BE	04/04/2020	11/11/2020
BE	Computer Engineering	I/BE	04/10/2019	29/01/2020
BE	Computer Engineering	I/TE	04/10/2019	20/01/2020
BE	Computer Engineering	I/SE	04/10/2019	22/02/2020
BE	Civil Engineering	II/BE	04/04/2020	11/11/2020
BE	Civil Engineering	I/BE	04/10/2019	29/01/2020
BE	Civil Engineering	I/TE	04/10/2019	20/01/2020
BE	Civil Engineering	I/SE	04/10/2019	22/02/2020

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

The Assessment of performance is an integral part of the teaching and learning process. As a part of sound educational strategy, the institution adopts a 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 are 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 an awareness session on Termwork evaluation (20 percent marks for Attendance, 20 Marks for Internal Examination, 20 percent marks for mid term submission and 40 percent marks for Continuous Assessment approximately) 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 presentations on Projects are scheduled every semester Result Analysis Review Meeting: Result Analysis is done by faculty after every test. The Pass percentage of each course is calculated by dividing the total number of students who 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. The Progress Reports Parents Meetings: The institution keeps on monitoring the performance of the students and sends reports to the parents. The Progress Reports are sent by the tutors to the parents after each of the tests. Parents/Guardians are advised to note the performance of their wards and take remedial measures if needed. Whenever necessary, the tutor shall recommend the visit of the parent to the college for a discussion about the student. The 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. The Students should satisfy the eligibility criteria of 75 percent 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)

Savitribai Phule Pune University announces the schedule of academics every year/ semester before commencement through Academic Calendar. With respect to that announced schedule , academic calendar of institution is prepared for undergraduate as well as postgraduate courses before commencement of every semester and consists of commencement of instructional activity, declaration of In Semester Examination (ISE) plans of department, mid review of attendance and defaulter list, schedule of Savitribai Phule Pune University examination and tentative schedule of End Semester examinations, review of performance of In Semester Examination, schedules of seminar, project work and PG dissertation work, end of instructional activity , declaration of In Semester Examination 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 a teaching plan for each theory and laboratory course before the start of the semester. Academic calendar is the backbone of various teaching learning plans prepared before the start of every semester. The 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 brainstorming activity in the meetings for different teaching strategies is planned in the academic calendar. Student Performance and Learning Outcomes, Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in the website of the institution. The course outcomes of all the

subowlne sunder all offered programs are stated and maintained in their
respective course files and displayed in the website of the institution too.

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
S.E.	BE	Mechanical Engineering	27	3	11
T.E.	BE	Mechanical Engineering	58	8	14
B.E.	BE	Mechanical Engineering	128	124	97
S.E.	BE	Civil Engineering	68	12	18
T.E.	BE	Civil Engineering	112	107	96
B.E.	BE	Civil Engineering	108	105	97
S.E.	BE	Computer Engineering	49	17	35
T.E.	BE	Computer Engineering	35	15	44
B.E.	BE	Computer Engineering	35	30	86
S.E.	BE	E&TC Engineering	16	4	25

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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://www.kjei.edu.in/tae/images/Student%20Satisfaction%20Survey_2019-2020
.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
Total	210	NA	0.3	0.3
International Projects	0	NIL	0	0

Students Research Projects (Other than compulsory by the University)	0	NIL	0	0
Projects sponsored by the University	0	NIL	0	0
Interdisciplinary Projects	210	Prajwal Construction , Hadpsar Pune.	0.3	0.3
Interdisciplinary Projects	0	NIL	0	0
Minor Projects	0	NIL	0	0
Major Projects	0	NIL	0	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Workshop : Automation using Arduino and IOT	E TC	10/01/2020
Engineering Graphics and Solid modeling with GDT	Mech	10/01/2020
Seminar on Intellectual Property Rights (IPR)	Civil	03/02/2020
One day Workshop on IPR	Mech	10/02/2020
Guest Lecture on UML Diagrams and Case Studies	Comp	05/10/2019
Interaction session with Dr.Shekhar Bhansali (USA)	Comp	02/12/2019
Workshop for Startups/ Entrepreneurship training	TAE	30/08/2019
Guest Lecture on Lex	Comp	02/02/2020
One Week workshop on Data Sciecnce	Comp	24/08/2019
Two days Zensar faculty development program on AI/ML IOT	Comp	09/12/2019
Workshop for Startups/ Entrepreneurship training	Comp	30/08/2019
Six days Workshop on Cyber Security	Comp	16/01/2019

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
Multi Purpose Mini Tractor	Shubham Katre	Trinity Academy of Engineering, Pune	03/03/2020	Technical
Inspection and Quality Control	Shabbir Vapra	NPTEL	10/03/2020	Academics Elite Silver
Design of Reinforced Concrete Structures	Sarika Kale	NPTEL	15/10/2019	Academics Elite Silver
Wastewater Treatment and Recycling	Ankur Burade	NPTEL	15/10/2019	Academics Elite Silver
Wastewater Treatment and Recycling	Abhishek Shirle	NPTEL	15/10/2019	Academics Elite Gold
Geaotechnical Engineering Laboratory	Pravin Manatkar	NPTEL	15/10/2019	Academics Elite Silver
Python for Data Science	Digambar Matale	NPTEL	15/10/2019	Academics Elite Silver
Soft Skills	Supriya Sate	NPTEL	15/10/2019	Academics Elite Silver
Robotics	Aadil Shaikh	NPTEL	15/10/2019	Academics Elite Silver
Robotics	Chandan M N	NPTEL	15/10/2019	Academics Elite Silver
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
TAE	TBI	KJEI	Rajrajeshwara PCB manufacturing and designing	Manufacturing and designing	10/05/2020
TAE	TBI	KJEI	SD constructions, Pune	Civil - Construction Contractor	04/03/2020
TAE	TBI	KJEI	Jagtap Constructions, Saswad	Civil - Construction Contractor	14/04/2020
TAE	TBI	KJEI	Krushnai Associates, Pune	Civil - Construction Contractor	05/05/2020
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
8500	9800	00

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

Name of the Department	Number of PhD's Awarded
NA	Nill

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	Civil Engg.	9	2.67
National	E TC Engg.	15	2.46
National	Mechanical Engg.	4	4.3
International	Science and humanity	3	3.97
International	Computer Engg.	19	4.52
International	Civil Engg.	22	4.39
International	E TC Engg.	3	5.7
International	Mechanical Engg.	21	5.53
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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
E TC Engg.	6
Civil Engg.	7
Computer Engg.	14
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Recent Artifacts Handling Algorithms in Electro encephalog ram	Dr. Nilesh J. Uke	International Journal of Advanced Science and Technology	2020	1	Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,	Nill

SUAVE - Software Enabled Unmanned Aerial Vehicle Emulation	Dr. Nilesh J. Uke	Advances in Engineering and Technology Managment-2020" (ICAETM-2020)	2020	1	Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,	Nill
Social Media Analytics for Academic Performance of Students	Dr. Nilesh J. Uke	Journal of Electronic Design Technology	2020	1	Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,	Nill
CNN Classification Approach for Analysis and Recognition of Marathi Manuscript	Dr. Nilesh J. Uke	International Journal of Scientific Technology Research	2020	1	JJTU Rajasthan India	2
Water quality analysis of Urun-Islampur City, Maharashtra, India	Shrikant Kate	Applied Water Science	2020	1	Department of Civil Engineering , KJEI's Trinity Academy of Engineering, Pune, 411048, Maharashtra, India	5
E-commerce sites with outfit composition using Deep Learning Method	Mrs. Patil Pratima	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,	Nill
ANALYSIS OF DEPRESSION	Ms. Maitri Sangameshwari	INTERNATIONAL JOURNAL OF	2019	1	Department of	Nill

Title of the Paper						
LEVELS OF USER USING SOCIAL MEDIA POSTS		RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING			Computer Engineering Trinity Academy of Engineering, Pune, India ,	
Water Governance for Smart City	Dr. Nilesh J. Uke	6thInternational Conference Energy City of the Future EVF	2019	1	Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,	Nill
Fractional Krill-Lion Algorithm Based Actor Critic Neural Network for Face Recognition in Real Time Surveillance Videos	Dr. Nilesh J. Uke	International Journal of Computational Intelligence and Applications	2019	1	Department of Computer Science, Trinity Academy of Engineering, Pune, Maharashtra 411001, India	2
Sediment Yield Estimation Using RS and GIS for Upper Karha Watershed Maharashtra India	Satish Deshmukh	Journal of The Institution of Engineers (India): Series A volume	2019	1	Department of Civil and Environmental Engineering, VJTI, Mumbai, Maharashtra, India1	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
Fractional Krill-Lion Algorithm Based Actor	Nilesh Uke	International Journal of Computational Intelligence and	2019	8	2	Department of Computer Science, Trinity

Critic Neural Network for Face Recognition in Real Time Surveillance Videos		Applications				Academy of Engineering, Pune, Maharashtra 411001, India
Sediment Yield Estimation Using RS and GIS for Upper Karha Watershed Maharashtra India	Dr Satish Deshmukh	Journal of The Institution of Engineers (India): Series A	2019	1	1	KJEI's Trinity Academy of Engineering, Pune, 411048, Maharashtra, India
Cut point and punctured points	Dr Haloli H G	IOSR	2019	3	2	Trinity Academy of Engineering
Application of Cut point and Punctured point to the prevent Corona Virus	Dr Haloli H G	IOSR	2019	3	2	Trinity Academy of Engineering
Application of Measure Manifold in medical science	Dr Haloli H G	IOSR	2019	3	2	Trinity Academy of Engineering
Proximity Approach for Object Detection in Video	Nilesh Uke	International Journal of Control and Automation	2020	8	2	Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,
Water quality analysis of Urun-Islampur City, Maharashtra,	Shrikant Kate	Applied Water Science	2020	2	5	Department of Civil Engineering , KJEI's Trinity Academy of

India							Engineering, Pune, 411048, Maharashtra, India
Social Media Analytics for Academic Performance of Students	Nilesh Uke	Journal of Electronic Design Technology	2020	8	Nill		Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,
Green Buildings in India	Nilesh Uke	CSI Communications	2020	8	Nill		Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,
Recent Artifacts Handling Algorithms in Electroencephalogram	Nilesh Uke	International Journal of Advanced Science and Technology	2020	8	Nill		Professor, Department of Computer Engineering Trinity Academy of Engineering, Pune, India ,
[View File](#)							

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	11	122	123	Nill
Presented papers	5	9	Nill	Nill
Resource persons	Nill	1	Nill	Nill
[View File](#)				

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/	Number of teachers	Number of students

	collaborating agency	participated in such activities	participated in such activities
NSS Camp	TAE, Pune	5	100
Fitness Day	SPPU TAE, Pune	5	400
Tree Plantation	SPPU TAE, Pune	5	500
Swatch Bharat Abhiyan	SPPU TAE, Pune	5	700
NSS Green Valley	SPPU TAE, Pune	5	1000
Trinity CET Champ 2k18	KJEI Institute	10	2000
Cleaning of Malhargad	Saswad City Youth Organization	1	15
Grocery donation to Orphanage	Astitwa Pratishthan TAE, Pune	1	12
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 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NSS Camp at Veer	Rs.590/Student	SPPU, Pune	100
NSS Regular Activity	Rs. 250/Student	SPPU, Pune	200
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 3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Womens Day Celebration	TAE,Pune	Womens Day	66	4
Gender Equilaty	TAE,Pune	General Awarness About Girl Students	3	45
Student Chapter	DTE, Mumbai	Marathi Bhasha Din	35	7
NSS	DTE, Mumbai	Swacchata Abhiyaan on occassion of Mahatma Gandhi Birthday	8	172
NSS	SPPU PUNE	Swachh Bharat	8	150
NSS	SPPU PUNE	Blood Donation camp	10	200
NSS	SPPU PUNE	Tree plantation	4	100
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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
Zensar ESD Training	74	RPG CSR Activity	20
Fuel Aptitude Championship Training	174	Fuel CSR Activity	6
GTT Barclays, Training on Employability Skills	124	GTT Barclays CSR	7
ELQ Training	150	KJEI, TAE CSR Sponsored	15
First Naukri Test	147	First Naukri	1
Qspider Training Program	28	Qspider CSR	90
Atos Syntel-Employability Skills	148	Syntel CSR	6
Career counselling by TPO	124	TAE	5
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Sponsor Project	Design and Development of Pneumatic Bagasse Spreader in Furnace	Malegaon sahakari sakhar karkhana Ltd, Malegaon Bk	09/09/2019	08/03/2020	4
Sponsor Project	Design And Manufacturing of 3 Axis Portable Machine by Using Criss Cross Mechanism	Vedant Enterpreises	07/09/2019	06/03/2020	4
Sponsor Project	Design of sustainable toilets for Rural Area	Prajwal Construction, Hadpsar Pune	07/09/2019	06/03/2020	4

Internship	Internship Programme	Salozone Home Salon Services	07/07/2019	06/11/2019	1
Internship	Internship Programme	India School Leadership Institute	16/08/2019	15/12/2019	1
Internship	Internship Programme	Hamari Pahchan NGO	04/01/2020	03/04/2020	1
Internship	Internship Programme	Abbloo	28/04/2020	27/05/2020	1
Internship	Internship Programme	New Barrackpore Navachetna Welfare Society	07/05/2020	06/06/2020	1
Internship	Internship Programme	Car Easy	14/01/2020	13/04/2020	1
Internship	Internship Programme	Nanded city	01/11/2019	31/12/2019	4
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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
RajRajeshwara PCB Manufacturing and Designing	13/01/2020	Internship/Sponsor Project	10
CAD Center	15/06/2019	Internship/Sponsor Project	45
Magnum Solution	15/06/2019	Internship/Sponsor Project	4
Zensar ESD	12/12/2019	Student Training	74
Red Hat	26/08/2019	Student Training	30
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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
11.82	9.2

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
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SLIM 21	Fully	3.7.02	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	9992	4521502	Nill	Nill	9992	4521502
Reference Books	142	147223	Nill	Nill	142	147223
e-Books	111	Nill	Nill	Nill	111	Nill
Journals	314	837599	Nill	Nill	314	837599
e-Journals	22	3831017	Nill	Nill	22	3831017

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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
PROF.K.M.KULKARNI	TRUSS BY ANSYS	YOUTUBE	24/12/2019
PROF.K.M.KULKARNI	MASTERCAM X5-MILLING	YOUTUBE	24/12/2019
PROF.D.A.DARADE	PRINCIPAL OF INFORMATION AND CYBER SECURITY	YOUTUBE	25/12/2019
PROF.AVINASH DEVARE	BASICS CONCEPT OF DATA MINING APRIORI	YOUTUBE	25/12/2019

PROF.PARTIMA PATIL	JOB SEQUENCING WITH DEADLINE PROBLEM	YOUTUBE	25/12/2019
PROF. D.A. JAKKAN	CONCEPT OF LOADERS,LINKERS AND SOFTWARE ELEMENTS	YOUTUBE	31/12/2019
PROF.TRUPTI THITE	POWER STAGES OF THREE PHASE INDUCTION MOTOR	YOUTUBE	31/12/2019
PROF.MAYURESH GULAME	INFORMATION THEORY AND CODING TECHNIQUE HUFFMAN CODING ALGORITHM	YOUTUBE	31/12/2019
PROF. P A . MANATKAR	MPV BY METHOD OF DIFFRENCE	YOUTUBE	26/03/2020
PROF. P A . MANATKAR	MPV BY NORMAL EQUATION METHOD	YOUTUBE	26/03/2020

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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	95
Total	531	15	50	1	1	1	5	50	95

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
Video recording room	ftp://172.16.0.9

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
37.12	40	33.38	38.26

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 LMC meeting. The

institute reviews the requirements regarding building, furniture, laboratory equipment's, 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 but sometime it is also made available for the other governmental and the non-governmental organizations for conducting the exams like JEET, NEET etc. if not in use for the said period. The academic support facilities like library, the sports and the other platforms supporting overall development of the students like NSS or Competitive examination cell etc. is open not only to the college students but also to all the stakeholder in the surrounding with prior permission of the authority The institute has appointed a team of personnel of all kind 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 cleanliness 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 repair and maintenance of electrical works. Laboratory equipment's are serviced and repaired by the technical assistants of their respective departments 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 assistants of the respective departments. 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. Finally periodic checks, reviews and observations by the higher authorities help in upkeep and maintenance of the campus. The institute has allocated a budget to each department for calibration and precision of laboratory equipment. At the end of the each semester the physical verification of laboratory equipment's is carried out. The instruments which are not working are identified and are repaired by the respective vendors/ service providers so that the instruments are ready before the academic session begins. The day to day maintenance is carried out by the technical staff. The mechanical, electrical, electronics and civil equipment's are taken up for the calibration and precision measurement as and when required by the respective departments. The activities like fumigation and keeping library clean is done frequently by library staff.

https://www.kjei.edu.in/tae/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	65	2521000
Financial Support from Other Sources			
a) National	GOVERMENT OF MAHARASHTRA AND GOI	701	27312378
b)International	NIL	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved

GTT barclays	12/09/2019	74	Python Training
Aptitude Training	11/10/2019	124	Fuel CSR
Zensar ESD Training	20/12/2019	24	RPG Foundation
ELQ Training	10/08/2019	194	Freelancer Experts
MICROSCOFT CERTIFICATES	20/02/2019	12	ATS National MICROSCOFT CERTIFICATION
Counselling- Do and Dont in Interview Process	16/10/2019	160	Rajesh Vartak- Seed Infotech
Soft Skill Training	06/09/2020	194	Seed Infotech
Personal Counselling and Mentoring	20/08/2019	194	Seed Infotech
Youth Empowerment by Yoga Meditation	20/09/2019	100	Trinity Academy of Engineering, Pune
International Yoga day Celebration	21/06/2019	150	Trinity Academy of Engineering, Pune

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	ELQ Training by Industry Experts	246	246	Nill	118
2019	First Naukri Test	Nill	110	Nill	65
2019	Fuel Skill Assessment Test	Nill	74	Nill	14
2019	Zensar ESD	Nill	42	Nill	31
2020	Qspider	Nill	24	Nill	18
2020	Profound Python Training	Nill	28	Nill	14
2020	GTT Barclays	Nill	79	Nill	24
2020	career	Nill	165	Nill	118

counselling by TPO					
		View File			

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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Cuelogic	24	1	Zensar Technologies	24	2
		View File			

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	Bachelor of Engineering	ELECTRONICS TELECOMMUNIC ATION	PDEA Mahatma Phule Institute of Computer Studies Management	MBA
2019	1	Bachelor of Engineering	MECHANICAL	University of Cranfield, United Kingdom	MS
2019	3	Bachelor of Engineering	MECHANICAL	MIT WPU Pune	MTech
2019	1	Bachelor of Engineering	MECHANICAL	TIMR, Pune	MBA
2019	1	Bachelor of Engineering	MECHANICAL	Abhinav Institute, Ambegaon	MBA
2019	1	Bachelor of Engineering	CIVIL	Oklahoma State Univer sity,USA	MS
Nill	1	Bachelor of Engineering	CIVIL	admission Pending due to Pandemic	MS

| Nill | 1 | Bachelor of Engineering | COMPUTER | admission Pending due to Pandemic | MBA |

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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
CAT	3
GRE	2
TOFEL	2
Civil Services	1
Any Other	2

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

Activity	Level	Number of Participants
Gurupournima	Institute	2
Kargil Din	Institute	2
Yamaha Bike Event	Institute	2
Kranti Din (Drawing Competition)	Institute	2
Dandiya	Institute	25
Rangbhoomi Din	Institute	11
Marathi Rajbhasha Din	Institute	9
Malhar 2K20	Campus	13
Kabaddi	Campus	50
Vollyball	Campus	30

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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
2019	Winner	National	1	Nill	32	Afak Shaikh
2019	Participant	National	1	Nill	21	Fahima Ayyub Attar
2019	Participant	National	Nill	1	35	Vishal Mohite
2019	Participant	National	Nill	1	45	Dipesh Solanki

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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 come 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. To enhance communication between students, management, staff and parents to promote an environment conducive to educational and personal development to promote friendship and respect among pupils. To support the management and staff in the development of the college. 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. 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. Various Guest lectures are been coordinated by student council after taking feedback of other students in which they require upgradation. 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 throughout 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 Swapnil Sambhaji Dhawale with members and Swapnil J. Patil (CS) Male: Swapnil J. Patil and Female: Pratiksha Ramesh Shinde ,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:

326

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

60000

5.4.4 – Meetings/activities organized by Alumni Association :

Institute Level Virtual Alumni Meet Organised on 13th June 2020 Webinar organisd by TAE Alumni on "Campus to corporate" (ETC Department) on 13th June 2020 Webinar organisd by TAE Alumni on "Role of Networking in IT Industry" (ETC Department) on 27th June 2020

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 well-defined 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 well-defined 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 well-defined 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 in charges have financial autonomy for Lab Maintenance and any procurement 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 in charge 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 follow Academic Calendar Strictly. Faculty members prepare their lecture plan in the beginning of the semester. Content updating 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 provide 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 e-Journals, NPTEL videos Lectures, DELNETD enveloping 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, and 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 e-Journals, 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 day to day 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. Well defined recruitment policy based on merit of the applicants within the general framework Providing a better teaching learning 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. Well defined recruitment policy based on merit of the applicants within the general framework Providing a better teaching learning environment in the Institute. Providing leaves as per the state Government. Providing on duty leave to the faculty for attending seminars, symposia, workshops, invited lectures and research oriented activities. Providing leaves for higher education.
Industry Interaction / Collaboration	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 Understating 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 newspapers 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 newspapers. 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, 58 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 12 Institute intake seats are filled at the Institute level as per the admission rules of Direct Technical Education. First advertisement is given in leading newspaper 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-governace area	Details
Planning and Development	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,

	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 ICT is used for communication with students, staff. Online Feedback's are conducted for the students. Student attendance monitoring. Syllabus coverage of teacher is monitored.
Finance and Accounts	Tally is used to keep records of finance and accounts. 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.
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
2019	Mr.Digamber Matale	NPTEL Registration Fee	NPTEL	1200
2019	Mr.Abhishek Shirle	NPTEL Registration Fee	NPTEL	1200
2019	Mr.Digamber Jakkan	NPTEL Registration Fee	NPTEL	1200
2019	Mr.Mahesh Bhandare	NPTEL Registration Fee	NPTEL	1200
2019	Mrs.S.N.Maitri	FDP	MHRD Government of India Initiative Pandit Madam Mohan Malaviya	500
2019	Mr.Avinash Devare	FDP on Cyber Security	National Mission on Teachers and Teaching (PMMMNMTT)	5000
2019	Mr.Avinash Devare	FDP on Data Science	National Mission on Teachers and	3000

				Teaching (PMMMNMTT)	
2019	Mrs. D. D. Kulkarni	FDP on Nanoscale Devices: Material to Applications at IIIT, Pune	IIIT, Pune	2500	
2019	Mr. Digamber Jakkan	FDP on Nanoscale Devices: Material to Applications at IIIT, Pune	IIIT, Pune	2500	
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	NA	Working on ERP	04/07/2019	04/07/2019	Nill	31
2019	How to Write Research Proposal	NA	29/08/2019	29/08/2019	48	Nill
2019	NA	Cyber Security	12/10/2019	12/10/2019	Nill	28
2019	ENSAR Faculty Development Program on AI/ML IoT	NA	07/12/2019	07/12/2019	28	Nill
2019	NA	Personality Development	22/12/2019	22/12/2019	Nill	31
		[View File](#)				

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on DRUPAL	1	20/04/2020	27/04/2020	8
FDP on LaTeX	2	28/04/2020	02/05/2020	5
FDP on MOODLE Learning	1	04/05/2020	09/05/2020	6

Management System				
TCS "Advance Excel" online courses	1	10/04/2020	15/04/2020	5
Webinar on metro rail technology	1	19/05/2020	23/05/2020	5
FDP on Q CAD	1	09/05/2020	13/05/2020	5
FDP on building construction – open foam	1	28/04/2020	02/05/2020	5
Opportunities and Threats in Engineering at present post Covid 19 – A Concept of Green Environment	1	13/05/2020	17/05/2020	5
Evolution from offline to online teaching	1	30/05/2020	03/06/2020	5
Veermata Jijabai Technological Institute (VJTI), Mumbai under TEQIP III (Recent Advances in Civil Engineering)1	1	02/06/2020	07/06/2020	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
61	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, To attend Conferences of SPPU and Study Leave	Employee Provident Fund, Medical Leave, Maternity Leave, Earned Leave and 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 Yojkana of Govt. of Maharashtra	147000	Third Party Audit of Jalyukt Shivar Yojana

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6.4.3 – Total corpus fund generated

7050000

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	No	No	Yes	KJEI Pune
Administrative	Yes	P. C. Patil Asso.	Yes	KJEI Pune

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

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

6.5.3 – Development programmes for support staff (at least three)

Encouraged to higher studies: One 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	ZENSAR Faculty Development Program on AI/ML IoT	07/12/2019	07/12/2019	07/12/2019	28
2019	Personality Development	22/12/2019	22/12/2019	22/12/2019	31
2019	International Yoga day Celebration	21/06/2019	21/06/2019	21/06/2019	150
2019	Working on ERP	04/07/2019	04/07/2019	04/07/2019	31
2019	ELQ Training	10/08/2019	10/08/2019	22/08/2019	194
2019	How to Write Research Proposal	29/08/2019	29/08/2019	29/08/2019	48
2019	Soft Skill Training	06/09/2019	06/09/2019	08/09/2019	194
2019	GTT Barclays	12/09/2019	12/09/2019	20/09/2019	74
2019	Aptitude Training	11/10/2019	11/10/2019	15/10/2019	124
2019	Technical Talk on Cyber Security	12/10/2020	12/10/2019	12/10/2019	28
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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
Women's day celebration	08/03/2020	08/03/2020	38	29
Awareness program for Girls	16/09/2019	16/09/2019	45	Nill

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

Percentage of power requirement of the University met by the renewable energy sources

1. Institute promotes use of renewable energy in the campus such as solar energy which is a natural resource of energy that is clean and pollution free and is available as an energy source to meet the ever-increasing demands of power in the future. The growing demand for energy, the fast depletion of conventional energy resources and threat of climate changes arising out of increasing carbon emission, have all increased the focus on alternative sources of energy. India has a high solar isolation with almost 300 days of sunshine in a year. In view of high solar radiation over the country, tapping this incredible resource is the most viable solution to achieve the nation's solar mission Among all the renewable resources, only solar power has the potential for an energy source capable of supplying more energy than is used. Capacity of solar power plant is 114 (6054) KWP,Renewable energy Generated is 5.60 KWh and Expected Saving in Rs is 30,000 to 40,000. 2. 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). 3. 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/ 4. 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	925
Ramp/Rails	Yes	4
Braille Software/facilities	No	Nill
Rest Rooms	Yes	900
Scribes for examination	Yes	2
Special skill development for differently abled students	No	Nill
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
2020	1	1	04/05/2020	7	Institution Innovation Council(IIC)	Intellectual Property Week Activity (Quiz) competition	400
2020	1	1	01/01/2020	7	"PASSPORT MELA" under "STUDENT CONNECT" initiative of Ministry of External Affairs	Students Passport forms were being filled by authorized party	200
2020	2	1	29/04/2020	30	Trinity CET Champ 2k18	CET Exam preparation	2000
2019	2	1	23/06/2019	1	NSS ???? ???? ????	Social Awarness	1000
2019	2	1	01/08/2019	15	Swatch Bharat Abhiyan	Social Awarness	700
2019	2	1	10/08/2	1	Tree Pl	Social	500

			019		antation	Awarness	
2019	2	1	15/08/2019	1	Fitness Day	Social Awarness	400
2019	2	1	23/12/2019	7	NSS Camp	Social Awarness	100
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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	01/06/2019	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
Leadership Talk by IIC cell	02/05/2020	02/05/2020	100
Intellectual Property WEEK activity	18/05/2020	23/05/2020	100
Fund Raised for Flood afected Areas (CMRF)	18/08/2019	22/08/2019	80
Power of Habits	08/08/2019	08/08/2019	35
Overall Development of Human Being	10/08/2019	10/08/2019	35
Tree Plantation	10/08/2019	10/08/2019	35
Soft skills-Body language	10/08/2019	10/08/2019	35
NSS	26/12/2019	30/12/2019	100
	[View File](#)		

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

1. Efficient use of Electricity in Campus: • Institute promotes use of renewable energy in the campus as we know that the solar energy is a natural

resource of energy that is clean and pollution free is available as an energy source to meet the ever-increasing demands of power in the future • Capacity of solar power plant generated in the college is 114 (6054) KWP • Renewable energy Generated in the campus is 5.60 KWh • Expected Saving in Rs 30,000 to 40,000 every year. 2. Efforts for Carbon Credit: • The ultimate goal of carbon credit, for healthy environment, is to reduce the emissions of greenhouse gases into the atmosphere. Such gases can be emitted through Production and Consumption of food, Transport, Land clearance, Manufactured goods, materials, wood, roads, buildings, and services. • Carbon credit is done for KJEI, Pune, Maharashtra since an incremental growth of residential projects and stone crashers are observed here. From the obtained carbon footprints for the area, it will be easy to plan the periodic development of the area, keeping in mind neither growth rate gets hampered nor existing carbon levels will rise. • This will help to determine energy being consumed by every individual and their activities. 3. Managing E-Waste: • With the advancement in technology, every year new electronic gadgets are manufactured and marketed. All such products become outdated after their usage for few months or years. Since most of the products contain hazardous material like lithium, zinc, lead, etc., proper disposal of such products should be taken care of. Hence E-waste management is an important part. • In our institute E-waste management is done by collecting all electronic waste generated in campus. For this purpose, E-waste bins are kept at every classroom as well as in the premises of institute. 4. Solid Waste Management: • Solid and Liquid waste segregation practices are always done institute. At the waste source generation this segregation is done and placed separately into dry waste bin and wet waste bin. Every corner of corridor, wash rooms and common rooms, laboratories, library, classrooms have dry and wet bins for collecting waste. • Collected wet waste is decomposed by warms it is converted into fertilizer and this vermiculture fertilizer is used for various plants which we have planted in recent years. • Scraped stationary gets segregated every year and for its effective management the reuse of one-sided pages is done for all college level documentation. 5. Liquid Waste Management: • The institute has Sewage Treatment Plant, which is utilized for liquid waste management, gets liquid waste from washrooms. Obtained purified water is used for gardening and flush. • The capacity of Sewage Treatment Plant is 450 cubic meter/day.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice No.1: Employability Skill Development (ESD) by Zensar Technologies Since 2016, the institute has started Employability Skill Development (ESD) program for our students in collaboration with Zensar. Trainers from Zensar are appointed for conducting this program. Goal of ESD program: Every year Zensar Technologies and Zensar Foundation conducts this Employability Skill Development (ESD) program, at no cost to students, with a moto of training of fresh graduates for better readiness of students for IT industries. The practice: Zensar visits every year to college and selects students from third year and give away training in both soft skill and technical skills. And at the end of training they conduct interview for students. Among this interview students are finalized and selected to work with Zensar. Context: This program offers total 180 hrs of training for students which includes Aptitude - 50 hrs, Soft skills - 20 hrs, Pl_SQL - 40 hrs, Python - 40 hrs, Java - 40 hrs. Problems Faced and Resources Required: •Students face problem during their trainee period, when entered into company. Hence to make them company efficient with all professional ethics and technically strong, every year this program is conducted for Third year students in order to make them ready for placements, by providing them with soft skills and technical assessment training. At the end of training program, every student gets a set

of various activities which helps them to build up Team building, Motivation, Time and Stress Management skills. •Overall Zensar looks after every student in these sessions, where students learn basics of soft skills and Etiquettes required in Software company. They get to know the problems they face while handling live projects in company. This improves their communication skills, presentation skills. This program also helps in improving time and stress management and team building which are also very essential during their job. Evidence of Success: Placement in Zensar is seen, once the training is finished, every trained student has to appear for the test conducted by Zensar. Based on test results, performance analysis of students throughout the training program and the interview skills of student, students are shortlisted by and hired in Zensar. The entire process of training program makes students ready to work with industries and students can work on live projects directly. This year 24 students had successfully completed the training and among them 4 students got selected in Zensar Technologies successfully. Best Practice No.2 Teacher Guardian Scheme Goal: 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 theycome 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.3 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 Enhance the employability and 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. 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. 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. Problems Faced and Resources Required: • To cope up with the daily updates and knowledge about the current requirements in industry as well as society needs, this is difficult to cover in teaching learning process of the Institute. • To cover up above problem VAP is required to be conducted in parallel with regular academics.• Students are heavily charged for such professional training. • So, to overcome this problem, it is necessary to give VAP inputs to the students to cope up with industrial requirements and make them ready for placement. Introduction of STP and VAP have solved majority of these problems with minimum expenditure and removed unnecessary financial burden on the students. • Industry Experts are invited for the sessions, workshops seminars. • Well-equipped laboratories are providing to conduct the same. Evidence of Success: It is observed that with regular practice the students get better understanding of various activities being carried out. There is seen a steady rise in scores amongst all the students. Also, it has reflected in review from the company panels coming for interview. Students get better placements in terms of profile and package

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.kjei.edu.in/tae/images/Best_Practices(2019-20).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

Students to get best infrastructure with best academics and best circular activities together is met at one place of 110 acres of KJEI campus. We at

Trinity Academy of engineering believe our students are responsible for future generation of innovation leadership. Students at our campus enjoy highly refined education with a merge of extra circular activities. You can find a lush green environment away from pune crowed area where a student can achieve his dreams with greater innovation. We educate students on their interest either student wants to go for higher education, job placements or want to enter into entrepreneurship. the choice is their but direction is ours. We continuously motivate them to get the right path after engineering. This also needs lots of professional and personal grooming which is provided to them. The soft skill training, interview skills and personality development classes are also taken regularly. Various industry institute meets are conducted so as to tie up with trending technologies used in industry at present. Expert talks, industry visits and Alumni meets are been conducted. This makes our students to understand the level of grooming they need and they get ready for placements ahead. Every student is to be made aware of the new technologies and means of reaching out to the society. We do have Technology Incubation cell at our college which helps our students to shape up their innovative ideas and mould into product at our institute. The new entrepreneurs are getting a various way to put forward in this situation. Hence, we even are tied up with Institute of Innovation Council where MHRD provides guidelines and helps students innovative ideas are boosted. Students are been given various projects which are guided by teachers and projects which are used in this pandemic situation are allotted. Departments are taking other than syllabus E-Courses for all students which would be helping students for placements, courses like: Advanced CAD, Data Science and Machine Learning, New product development in automobile industry Cyber security, IOT and Its applications TAE even focuses on mental stress and physic of every student and hence forth makes them available a large Outdoor and Indoor games facility. Campus is having more than 4.5 Acers of ground for various sports activities like cricket, football, tennis, Kabaddi etc. Indoor games along with Gym and Yoga room makes the student feel like home and have a rigorous academics with joy of discovery through all these efforts made by us. 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. All these provision makes the campus the best place to study and learn new things.

Provide the weblink of the institution
https://www.kjei.edu.in/tae/images/Institutional_Distinctiveness(2019-20).pdf

8.Future Plans of Actions for Next Academic Year

8.Future Plans of Actions for Next Academic Year Due to Covid-19 pandemic the complete teaching learning and evaluation process had changes drastically. Looking at the current scenario the plan of action for the academic year 2020-2021 includes the following: • Starting a new post graduate programme in Master in Computer Applications and a undergraduate programme in Information Technology. • This pandemic had given an opportunity to adapt to new way of teaching. We plan to create more E learning facility making the students and faculty to effectively utilize ICT (information and communication technology) for teaching learning process in online mode. • Enhancing students' soft skills towards campus placement and higher studies in house soft skill training for all round development of students is planned for all the classes. • Strong collaborations with industry partners and involving experts to conduct seminars and workshops of national and international importance at our campus. • Encouraging faculty and staff for special programs to improve their qualification and technical skills. • Using various social media platform to strengthen the liaison among the stakeholders like, students, faculty, parents, employers and alumni for effective communications and participation in institute development. • Inculcate research culture amongst students and faculty we plan to support for

research projects and encourage the faculty for research publications in reputed journals with impact factor like SCOPUS/SCI.