



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	ZAGDU SINGH CHARITABLE TRUST'S THAKUR COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr. B. K. Mishra
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02267308000
Mobile no.	9821285825
Registered Email	tcet.principal@thakureducation.org
Alternate Email	tcet@thakureducation.org
Address	A-block, Thakur Educational Campus, Shyam Narayan Thakur Marg, Thakur Village, Kandivali (E).
City/Town	Mumbai
State/UT	Maharashtra

Pincode	400101																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. Payel Saha																		
Phone no/Alternate Phone no.	02267308113																		
Mobile no.	9819412736																		
Registered Email	tcet.iqac@thakueducation.org																		
Alternate Email	payel.saha@thakureducation.org																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://tcetmumbai.in/Notice/IQAC/MHCOGN27536%20-%20Thakur%20College%20of%20Engineering%20and%20Technology,%20Mumbai,%20Maharashtra.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.tcetmumbai.in/Notice/Autonomy%20ACADEMIC%20CALENDER%20FOR%20THE%20YEAR%202019(Odd%20Sem).pdf																		
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.2</td> <td>2017</td> <td>30-Oct-2017</td> <td>29-Oct-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	A	3.2	2017	30-Oct-2017	29-Oct-2022
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	A	3.2	2017	30-Oct-2017	29-Oct-2022														
6. Date of Establishment of IQAC	20-Jan-2018																		

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
Regular meeting of Internal Quality Assurance Cell (IQAC)	31-Aug-2018 1	28
Regular meeting of Internal Quality Assurance Cell (IQAC)	25-Jan-2019 1	33
Regular meeting of Internal Quality Assurance Cell (IQAC)	28-Jun-2019 1	26

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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
Thakur College of Engineering and Technology	IEDC	DST	2019 365	500000

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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 :

3

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)

Promoting Holistic Student development through dedicated slots identified in timetable for activity based learning, project based learning etc.

Improvement in Teaching -Learning by incorporating various modes of Teaching-learning such as video lectures, flipped classroom, on-line quizzes etc.

To encourage faculty to acquire awareness of technology used in outside world through refresher courses, UGC approved faculty improvement programs, HRD programs, summer/winter schools etc.

Implementation of welfare activities through different professional/student bodies like NSS, Rotaract, Extension Wing etc. to support society.

Encouraging faculty members to write research proposals and apply for funding through various schemes available.

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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
Seminars/workshops on trends and technology in the industry or NonTechnical aspects for the holistic development	MECH Technical seminars on "Introduction to CATIA" and "Career opportunities in Marine Engineering" IT 3 Technical Seminars/Work shop Conducted COMP 7 Workshop / Seminars under CSI and 3 Technical Seminars were conducted ETC Workshop on IoT and Embedded Systems attended by 33 students of SE and TE ELEX Two Technical seminar from Industry Experts CIVIL Technical Seminar on "Engineering Graduates Field Experience" and on "Recycling of Plastic waste by Safai Bank" and Workshop on Sound Therapy on 29th March 2019
Internship (In House/Out house) and Out house Projects through industry collaboration	IT-45 students for In-house Internship and 38 groups for Out-house Project COMP - 30 students completed In-House internship and 14 students completed out-House Internship E&TC - 9 students have done out-house internship and 9 students involved in In-House Internship ELEX -In-House internship for promoting hands on experience of electronic Projects and 5 Out-house projects
More emphasis to be given for imparting practical knowledge and how the theoretical knowledge can be applied in real life scenario	MECH- Lectures series / webinars attended by students in IIC.Students presented their idea under IIC and Mechanical students shortlisted for the regional level IT-Viva, Mini project based on entire curriculum. inclusion of designed based & group activity

	<p>experiments for real time application COMP - Various industry experts and Alumni have shared their experiences during Alumni meet and Alumni connect programme E&TC - 10th Practical of each subject is based on design-based experiment ELEX -Mini-project Competition, Online tutorials, Videos, Online MCQ Test conducted CIVIL - Bringing awareness about different software through SDP ES&H - Industry based Examples-Ultrasonic Application for dairy products. 10th Practical of each subject is based on design-based experiments</p>
<p>Creating awareness among students about grants available, hackathon competitions etc. and improvements pertaining to research environment</p>	<p>MECH - 12 groups registered in Hackathon 2019, 4 Faculty got minor research grants and 2 Faculty got grants under IEDC IT-18 teams have submitted more than 40 problem solution at Smart India Hackathon COMP - 3 Groups shortlisted and 2 won Rs. 1,00,000 each for Smart India Hackathon. Grants received from IEDC: Rs. 1,00,000, from Hobby Club:Rs. 4,681. Also 4 Minor Research Grants forRs. 1,10,000. Consultancy:5 Consultancies for a total of Rs. 4,08,000 E&TC - 10 groups in software and hardware category participated in Smart India Hackathon. One got selected for the first round. ELEX -1 Minor Research grant from UOM CIVIL - Innovative Prototype submission through Hobby Club and the department has started Consultancy on Material Testing and Water testing. ES&H - Participation of FE in hackathon - 3 Groups</p>
<p>Enhancement in infrastructure / facilities and Learning Resources availability</p>	<p>Departmental library, TCET Library App userID and password is shared with each faculty. IT- OneSmart Classroom is created in December - 2018 and current year Book Count in departmental Library is 615 COMP - Total 223 books are there in Dept library out of which 12 are procured in the period May -June 2019. E&TC - One classroom has smart classroom facility for effective learning, Calibration kits procured for Vector Network Analyzer. ELEX -Smart Classroom (C-102) facility created and 95 books added in Dept Library in AY 2018-19 CIVIL - Smart Classroom A 406 added to department. Procured "MIDAS GEN 2018" Software. Departmental Library Strengthened in Volume by more than 300 books donated by IIT Bombay</p>

professor Dr. Rastogi. ES&H - 1 Apparatus in Physics Lab Added (Ultrasonic Interferometer). Resource books shared with students using google drive, institute website and on ERP

Development of projects based on socially relevant problems and creating platform where ideas can be shared for solving problems faced in day-to-day life.

MECH - 1 project gets converted into commercial product i.e. chainless bicycle. IT- Mind's Eye Project Competition at Institute level COMP - Idea Presentation with participation of 85 students. E&TC - Projects like 'Over Head Mounted Display for Visually Impaired and Deaf People' and 'IOT based smart irrigation & crop disease detection system' of social relevance implemented at BE level. ELEX -4 BE Project of Social Importance ES&H - 1 Minor Research Grant received to Dr. Sunita Pachori under Social Domain

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	21-Dec-2019

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

30-Sep-2018

17. Does the Institution have Management Information System ?

Yes

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

The institute has its own ERP system for administrative academic operations. The following modules are functional. (i) Student ERP: Students have been assigned their id and password to enroll on ERP and they can access their attendance, the timetables, lecture notes, assignments etc. (ii) Faculty ERP: Each faculty has own login to access and update profile, teaching plan, student attendance etc. (iii)

Time tables student attendance are also updated through ERP. (iv) Leave applications are forwarded by faculty through the faculty module.

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

The institution has worked diligently to provide quality technical education to the students. The Principal designs academic calendar at least fifteen days before the commencement of the semester. Time-table is designed as per subject requirements at least seven days before the commencement of the semester. Faculty members also prepare modules, question banks, handouts, question paper sets, experiment write-up for effective conduct of lectures / practical. Academic Orientation Programme (AOP) is conducted in the first week of the semester followed by Semester Orientation Programme (SOP) that is spread over first twelve weeks for effective induction and arrangement of the students during the semester. Daily work report is checked on weekly basis by HOD and cross-checked by the Principal on fortnightly basis. If a faculty is absent or is on leave of any kind on the day of lecture / practical / tutorials, HOD / concerned faculty member does alternative arrangement. Academic loss in the subject due to the leave of the faculty members is compensated by arranging extra lecture. Faculty members bring effectiveness in practical/tutorials by adopting methods viz. briefing the students about the experiment / tutorial before the students start working on it, assisting students in completing practical /tutorial, motivating the student to study the impact of possible parameters variation / interpretation /application for better understanding, and reviewing of experiment / tutorial at the end of the session. The attendance of students is maintained in appropriate attendance record which contains date of performance, date of correction by the faculty, score etc. Defaulter students are required to complete remedial work by 20th of every month for compensating attendance and academic loss. Learning attainment is checked by measuring learning through continuous evaluation with mapping for achievement of course objectives and in compliance with NBA requirements. With respect to examinations, schedule of the duties and time-table is notified / circulated at least 7 days before the commencement of examinations. The list of students admitted in each course is maintained in administration section, examination section and department before the commencement of the examination. Final mark list after assessment is submitted within 7 days from the date of examination to the Exam section of the institute. The Exam section is required to consolidate the marks with analysis which can be displayed on Notice Board and Website. Different reports are submitted to the principal's office viz. subject preference, subject allocation, subject choice, load distribution (UG/PG), time table, project group proforma, AOP time table and its report at the start of the semester; attendance, defaulter list and syllabus coverage on monthly basis, twice in a Semester Feedback and internal assessment report during semester; attendance, defaulter list, syllabus coverage, oral/practical time table, SDP (technical seminar schedule and list of speakers), professional body activities (I.V.) report & its activities, modules, student validation, compilation of CO, PO attainment, choice of examiners for Oral/Practical/University examination, moderation at the end of the semester.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
CA-TIA training	-	30/01/2019	7	Employability	Solid modelling
Creative Video Making	-	12/10/2018	1	Employability	Multimedia System Design Development
Block Diagram Design for Intelligent System	-	31/08/2018	1	Employability	Intelligent System Design Development
Web Application Architecture Design	-	19/10/2018	1	Employability	Networking Communication and Web Technology
Workshop on QUADCOPTER WORKSHOP	-	27/09/2018	3	Employability	Robotics
Workshop on ICE JUMBLE	-	27/09/2018	4	Employability	-
Matlab programming	-	27/07/2018	1	Employability	Coding
Demystifying Digital Marketing	-	02/08/2018	1	Employability	Marketing

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer Engineering	29/04/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	ETRX	07/09/2018
BE	ETRX	07/09/2018
BE	IT	07/09/2018
BE	IT	07/09/2018
BE	CMPN	07/09/2018
BE	CMPN	07/09/2018
BE	MECH	07/09/2018
BE	MECH	07/09/2018
BE	CIVIL	07/09/2018

BE	CIVIL	07/09/2018
BE	EXTC	07/09/2018
BE	EXTC	07/09/2018
ME	EXTC	16/08/2018
ME	IT	16/08/2018
ME	CMPN	16/08/2018

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

	Certificate	Diploma Course
Number of Students	206	0

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
NPTEL	01/04/2019	53
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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	Computer Engineering	11
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
<p>a) Feedback is taken from students and other stakeholders to complete the PDCA cycle of various processes like Admission, Academic semester conduct, Library, Purchase, Placement, Higher studies, Resource management, etc. b) A survey is conducted with Students/Parents about the admission process. The summary report generated by the Registrar is used for improvement of services rendered by the institute to aspiring candidates. c) Feedback is taken after the completion of SOP from the students about various sessions and analyzed. Report is prepared for the programme by the HOD and reviewed by Dean academic and Principal. d) Students' Feedback about faculty form is made available to the students as per schedule given in the academic calendar. The collated data is submitted to HOD with remark including the problem area, its causes and solution. Feedback analysis is reviewed by Dean Academic and Principal for necessary action which is communicated to the HOD. e) Online Students' Feedback about Institute is conducted as per the schedule given in the academic calendar. The feedback is collected by coordinator and collated data is submitted to Registrar after</p>

review by HOD. Registrar analyzes the data and identifies the problem area and its causes and reports it to Dean Academic and Principal. Appropriate corrective actions are initiated (if feedback is not up to the mark) by Registrar. f) Parents' meeting is scheduled twice in a semester in the academic calendar preferably on Saturdays. TCET encourages parents to provide written feedback on Parent's Feedback form. Problem area and its cause is identified, and appropriate corrective actions are taken. g) Class feedback is taken from all the faculty members teaching in that class. Feedback compilation and analysis is done by the HOD/Deputy HOD and copy is sent to the Dean Academic and Principal for review purpose. h) At the end of the semester students give survey about the various courses they had studied during that semester. This survey is designed using the course outcomes defined for the courses and serves as an indirect tool for measuring the attainment level of Course Outcomes. i) Feedback about the trainers is collected after the completion of the programmes (SDP, Preplacement Training etc.). j) Feedback is collected from Advisory / Governing council / Accrediting body members during Advisory committee meeting or accreditation process of institute and department about improving the services of the institute like academic conduct, placement, exams, co and extra curricular activities etc. k) Feedback is taken from industry experts who come to the institute for recruitment about students who take part in placement process and about the institute. l) The Alumni feedback is taken during the alumni meet. The responses are analyzed, and a report is submitted to the Principal. m) Women Development cell coordinators collect feedback from all the female employees twice in a semester. Report is prepared by WDC head and submitted to Dean SSW n) All of these lead to continual improvement of the institute and enhance stakeholder's satisfaction.

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	Computer Engineering	120	1096	128
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3172	49	167	0	23

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	Number of smart classrooms	E-resources and techniques used
167	167	5	45	6	10

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

Yes. Teacher guardian scheme is available in the institute where around 2022 students are allotted to each faculty member. Each faculty mentor maintains a handbook that records the overall performance of a student under them. The handbook contains details viz. (1) Personal details of students like residential address, contact number, parents' occupation, parents contact details (2) Score before taking admission in engineering i.e HSC and SSC marks (3) Workshops attended (4) Competitive exams given (5) Internships (6) Projects undertaken (7) Extra/cocurricular activities participation. Other than this, a record of the attendance per month, marks obtained per semester subject wise, overall CGPA attained is also maintained. The mentor interacts with each mentee (student) atleast two times in a semester or as per need to gauge the performance of the mentee students, difficulties faced during the semester and other kinds of personal discussion as per the comfort level between the mentor and mentee. The mentee's academic record, cocurricular and extra cocurricular activities and counseling record is maintained in Teacher Guardian book. Mentee's performance is monitored and based on his/her strength and weakness, guidance is provided to understand the challenges and opportunities present in college and develop a smooth transition to campus life at first year level and to enhance the mentee's growth, improve selfconfidence, manage conflict and help to achieve their goals from second to final year level. Counselling is done for improvement in attendance, participation in cocurricular/extracurricular activities and improvement in academic results. Students are motivated to participate in technical events and paper publication.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3172	167	1 : 20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
26	5	21	34	35

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
2018	Dr. Deven Shah	Professor	International Hackathon on Block Chain Mumbai, 22nd December 2018 1st rank

[View File](#)

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	CMPN	IV/SE(CBCGS)	29/05/2019	16/07/2019

[View File](#)

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

Continuous Evaluation is carried out for evaluating the learning of the students on regular basis from the start of semester on weekly , monthly basis as well as mid semester and end semester evaluation . Weekly evaluation is done for practical performance/tutorial/project, quizzes, surprise test etc. Monthly evaluation is for remedial work done by defaulters and slow learners. Midterm evaluation includes university compliance for term work (50), assignment, internal examination and mid semester review of the student classroom participation, laboratory work .At each stage of evaluation, students are categorized into three levels (LevelI: Low, LevelII: Medium, LevelIII: High) and performance is communicated to the students. In the internal examination the effort is taken to align the question paper with Revised Bloom’s Taxonomy (RBT) models which helps the institute to understand the attainment of programme outcome The evaluation of the term work is done for 25 marks and it needs to be granted by the subject teacher and the granted list is to be approved by the authority. The term work is assessed on regular basis and the records are maintained with the concerned laboratories . Institute Level reforms: a. Help desk to facilitate students during the Internal Assessment Test b. centralized assessment center for internal assessment c.Dedicated staff and room for monitoring the entire assessment process d.Assessment record is generated on daily basis to comply with the number of days required to publish the results within stipulated period .

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

Academic Calendar is prepared on semester basis taking into account the university calendar , the list of holidays, students activities etc. Academic calendar (tentative) is released twenty one days before the semester commencement as tentative calendar. HODs prepare department calendar in alignment with institute academic calendar Academic calendar is notified on notice board and website. It is also included in the faculty diary (only relevant activities) for compliance. According to academic calendar prepared at the institute level where the first 6 weeks the conduct of lectures/practical is done followed by first term test in seventh week. The teaching learning is again continued from 8th week till 13th week followed by second term test in 14th week. Finally the requirements for fulfilling term grant is carried out in 15th week which is considered as term end. Students are informed about these internal examinations well in advance by the department and exam section . Internal assessment dates are also provided by the college in the proposed academic calendar prepared at the beginning of each semester . Students are informed about the university notices and circulars related to the examinations from time to time through student notice board, departmental notice boards, college website .

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)

<https://www.tcetmumbai.in/CMPN%20PSO.html>

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
CMPN	BE	Computer	163	161	98.7

[View File](#)**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.tcetmumbai.in/All_Dept_feedback-inst.html

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
Major Projects	365	DST	500000	500000

[View File](#)**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
Innovation in Concrete	CIVIL	04/10/2018
Global opportunities for Civil Engineers about learning practicality and enhancing skills	CIVIL	27/07/2018
Quantitative Ability	Institute Level	13/12/2018
Reasoning Ability	Institute Level	13/12/2018
Verbal Ability	Institute Level	13/12/2018
Campus to Corporate	Institute Level	22/02/2019
Workshop on communication and attitude building	Institute Level	22/02/2019
IEmbark for 2019 batch	Institute Level	08/10/2018
Oracle Recruiter Workshop	Institute Level	15/04/2019
Advanced DotNet Its Applications	Institute Level	02/07/2018
Ethical Hacking	Institute Level	02/07/2018
Web Development:PHP MYSQL	Institute Level	02/07/2018
Network Simulator	Institute Level	02/07/2018
GUI using JAVA	Institute Level	02/07/2018
Advanced Web Technology	Institute Level	02/07/2018
Recent trends in Embedded system	Institute Level	02/07/2018
Mechanical Application using MATLAB	Institute Level	03/07/2018
ETABS-Structural Analysis Software	Institute Level	05/07/2018

Creativity Attitude Building	Institute Level	03/07/2018
Oral and Written Skills	Institute Level	02/07/2018
Ethics in technology	Institute Level	09/03/2019
Awareness session on Intellectual Property Rights	Institute Level	27/07/2018
Seminar on Guidelines for company registration	Institute Level	15/02/2019
Business canvas development workshop	Institute Level	08/02/2019
Sound Therapy and Nada yoga	CIVIL	29/03/2019
University Topper Meet Rawal	CIVIL	01/02/2019
Innovation in Concrete	CIVIL	01/02/2019
Global opportunities for Civil Engineers about learning practicality and enhancing skills	CIVIL	27/07/2018
Quantitative Ability	Institute Level	13/12/2018
IMC RBNQA: MQH Best Practice Competition (Two day conference)	Institute Level	19/03/2019
Innovative Technologies to minimise disaster management	ETRX	21/12/2018
Innovative Technologies to minimise disaster management	EXTC	21/12/2018
Innovative Technologies to minimise disaster management	HNS	21/12/2018
The are of writing a bestseller	Institute Level	01/09/2018
Indian art design and its co-relation with human mind and stress management	Institute Level	01/09/2018
Preparing the world for the changing tomorrow	Institute Level	01/09/2018
Free thinking a trait, virtue and a way of life	Institute Level	01/09/2018
Life through the prism of community services	Institute Level	01/09/2018
Branding	Institute Level	01/09/2018
Fintech	Institute Level	01/09/2018
Exploring the world on	Institute Level	01/09/2018

two wheels		
Chasing the impossible	Institute Level	01/09/2018
Indian Security and role of leadership	Institute Level	09/03/2019
Bringing back balance in life	Institute Level	09/03/2019
Realizing social responsibilities	Institute Level	09/03/2019
Awareness session on Intellectual Property Rights	Institute Level	27/07/2018
Seminar on Guidelines for company registration	Institute Level	15/02/2019
Business canvas development workshop	Institute Level	08/02/2019
Sound Therapy and Nada yoga	CIVIL	29/03/2019
University Topper Meet Rawal	CIVIL	01/02/2019
Team Building leadership skills	Institute Level	05/07/2018
Career after Engineering	Institute Level	04/07/2018
Design of cutting tools	Institute Level	06/07/2018
Soil Stabilisation	Institute Level	03/07/2018
Logic Building using C programming	Institute Level	06/07/2018
Stress Management	Institute Level	03/07/2018
Gender Sensitivity Emotional Intelligence	Institute Level	02/07/2018
Digital Content Creation	Institute Level	02/07/2018
Problem Solving Techniques	Institute Level	06/07/2018
Open Source Technology	Institute Level	04/07/2018
Trends in ICT	Institute Level	04/07/2018
Welding Technology	Institute Level	06/07/2018
Advancement in SOM	Institute Level	06/07/2018
Scope for Civil Engineer in FASAD	Institute Level	02/07/2018

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
Establishing Start-up Culture	Dr. Kamal Shah	International Institute for Social and Economic Reform (IISER)	26/01/2019	Teachers

[View File](#)

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
TCETIEDC	Saurabh Indoria	NIL	Delineate Innovations	Software	02/07/2018
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
NIL	34	NIL

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

Name of the Department	Number of PhD's Awarded
CMPN	3
IT	2

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	HandS	1	0
View File			

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
CIVIL	29
View File	

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
Apply Machine Learning for Healthcare to enhance Performance and identify informative features	Shiwani Gupta	IEEE conference ID:46181, 13th Indiacom on Computing for sustainable global development	2019	0	TCET	0
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	Institutional affiliation as
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					excluding self citation	mentioned in the publication
Apply Machine Learning for Healthcare to enhance Performance and identify informative features	Shiwani Gupta	IEEE conference ID:46181, 13th Indiacom on Computing for sustainable global development	2019	3	0	TCET
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	0	2	0	0
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/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Tree Plantation Drive	NSS TCET UNIT in association LIONS CLUB	4	146
View File			

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
EWTCamp	Letter of Appreciation	Nimbavli Municipal School	110
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	TCET NSS Unit in Association with Mumbai University and Lions Club	Beach Cleaning	4	50
View File				

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
International Conference on Blockchain Technology (ICBCT 2019)	International level Institutes	IET Zyphility	2
View File			

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
Industry Institute Internship	Electronic Product Development Electronic Product Development (Texas)	Anvira Edustation	25/06/2019	05/07/2019	30
View File					

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
Enlab Services	12/02/2019	Material Testing	4
View File			

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
239425000	94684213

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

Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
KOHA	Partially	1	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	29679	1095000	1437	800000	31116	1895000
View File						

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
Jesal varolia	Patterns in C programming	Youtube	10/03/2019
View File			

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	1200	33	0	33	0	0	0	155	0
Added	0	0	0	0	0	0	0	0	0
Total	1200	33	0	33	0	0	0	155	0

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

155 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
SH-1	https://youtu.be/jTmPMes221
SH-1	https://youtu.be/YfpOdeE1apE
SH-1	https://youtu.be/ct3gcF3otly
SH-1	https://youtu.be/AQuK1VEWiPA
SH-1	https://youtu.be/ryIwtwx7SSY
SH-1	https://youtu.be/D0BHh2JCqB0
SH-1	https://youtu.be/BmkU7OZH3YM

SH-1	https://youtu.be/0txTV6cz3yk
SH-1	swatitechsol.com/cloud-computing-services/
SH-1	swatitechsol.com/database-management-system-2/
SH-1	slideshare.net/sakshipimple/introduction-uc
SH-1	slideshare.net/marymarget/ubicon-cholslides-mary-slideshare
SH-1	https://youtu.be/fUcm6NTYg8s&t=862s
SH-1	https://youtu.be/co2TkWxAvuO&t=936s
SH-1	swatitechsol.com/sql_laboratory/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
104950000	96463304	37900000	37623185

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 resource management is done for infrastructure, equipment and other resources. Infrastructure and related utilities are provided by the Management which includes: i) Building / office premises / playground / garden ii) Library with books, ebooks, journals and other facilities iii) Laboratories with instruments and equipment for performing experiments as per guidelines of UOM. iv) Software required for academic, RD and administrative purposes. v) Appliances like Electrical systems, airconditioners, fans, LCD projectors, PCs, laptops, watercoolers, water purifiers, fire extinguishers, etc. vi) Support utilities like electricity / water supply vii) Furniture and Fixture viii) Office equipments / gadgets ix) Sports equipments x) Others Infrastructure maintenance is done by Maintenance and Purchase section (MAPS) for building, premises, utilities and facilities. The maintenance activities for equipment fall into three general categories: i) Routine Maintenance Activities are conducted while equipment and systems are in service. These activities are derived from preventive or predictive maintenance strategies. Means used are visual inspections, cleaning, functional tests, measurement of operating quantities, lubrication etc. ii) Maintenance Testing Activities involve using test equipment to assess condition in an offline state. These activities are predictable and can be scheduled and budgeted. They may be planned to coincide with scheduled equipment outages. iii) Diagnostic Testing Activities involve using test equipment to assess the condition of equipment after unusual events, such as equipment failure/ repair/replacement or when equipment deterioration is suspected. To elongate the functional life of laboratory equipment significantly, simple repairs may be adequate such as installing replacement parts as and when they are needed. Refurbishing, i.e. the process of dismantling pieces of laboratory equipment and cleaning each component part thoroughly is done at regular intervals. Calibration services are sought for equipment like measuring devices. Servicing of AC, Coolers, lifts etc. is done either by inhouse personnel or by external party or through annual maintenance contract (AMC). Cleanliness daily maintenance of the interior facility

(classrooms, laboratories, hallway, and staircase) is done by Class IV employees of the Institute under the supervision of the Admin Office. Cleanliness of toilet blocks and wash room has been outsourced. Fire extinguisher is outsourced since refilling of the cylinder is done once in a year. Maintenance of CCTV is outsourced and is maintained in coordination through technical person of computer center. ICT infrastructure is maintained by computer center personnel. Complaint related to computer / communication equipment can be recorded in Complaint Register (Computer and Communication equipment and network) The records of all these activities are maintained at appropriate departments/sections by concerned person and reviewed periodically for process improvement.

<https://www.tcetmumbai.in/Notice/IQAC/Resource%20Management.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	Zagdu Singh Charitable Trust	10	500000
Financial Support from Other Sources			
a) National	Economic Background Social Background TFWS India Bulls Mr. Parekh CediaMCHI	825	38594139.5
b) International	NIL	0	0

[View File](#)

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
General English Proficiency Training	07/01/2019	132	TCET, Mumbai

[View File](#)

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Workshop on Design Thinking	152	152	152	0

[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
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
100	557	363			22
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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	310	B.E. TCET	MECHANICAL ENGINEERING	UNIVERSITY OF AUCKLAND, NEW ZEALAND MIR SHABAHAT AFTAB	MECHANICAL ENGINEERING
View File					

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
GRE	87
View File	

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

Activity	Level	Number of Participants
Zephyr 2019	Institute	3000
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Bronze	National	1	0	BE ETCB65	Ritesh Singh
View File						

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

Students' Council activities include Sports and Cultural Events. There are two

sports events T Spark (IntraCollege Sports event) and Enertia (Inter College Sports events). Cultural events organized by STUDENTS' COUNCIL include Alumni Meet, Teachers' Day, Sojourn, BE Farewell and Special days such as Tie and Saree day, Traditional day and Rose Day. Sojourn is the annual cultural fest of TCET. Professional Bodies include CSI (COMP Department), ACM (IT Department), IEEE (ETC Department), IETE (ELEX Department), ASME (MECH Department), ASTUDENTS' COUNCIL (CIVIL Department) and ISTE (EHS Department). Professional Bodies are responsible for Zephyr, A Technical Fest organized every year and a 10day long Industrial Visit to industries in different states and cities. Professional bodies also organize seminars and workshops during annual Conference - MULTICONW. Social Bodies of TCET are EWT, NSS and Rotaract. Social Bodies conduct activities allround the year. These activities are Blood Donation Drive, Cleanliness Drive and Ganpati Visarjan and Camp where students' allround development is focused are conducted by NSS. EWT focus on the value of Education and try to reach out the deprived students and help them in their schooling. They also conduct drives for road safety and student welfare. Rotaract social body helps its volunteers to get a holistic development by their activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the institute has its Alumni Association registered in September 2017. Alumni meets are conducted from 2011 which are supported by the institute. Also, from 2018, the association has started with Alumni Award for Alumni with outstanding contribution in his/her field. In 2018, the award was given to Mr. Aman Trikha, Alumni of batch 2008 for his contribution in Bollywood as a playback singer.

5.4.2 – No. of enrolled Alumni:

7

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meets are conducted from 2011 which are supported by the institute.

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)

i. TCET has a clearly defined organizational hierarchy with welldefined roles and responsibilities for each and every staff member. TCET has Institutional committees for all activities in the organization for which members from the various departments are appointed. Apart from the staff members, students and Alumni are also involved in many of the committees which ensures a participative environment within the organization. Also, the parents are involved in the Advisory committee so that they know about the activities going on in the Institute and provide their valuable inputs for improvement. ii. All departments are headed by the HOD and has been assigned a mentor Dean from the Institute. Under the leadership of Dean and HOD, each department conducts various cocurricular activities independently. The departments are also supported by a deputy and two coordinators who looks after all the academic and administrative activities of the department. For each and every class, there is

a class teacher who is responsible for academic and administrative activities related to that class. This ensures appropriate academic control of the department. The delineation of responsibilities facilitates a healthy work environment throughout the organization.

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

Yes

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	Industry based curriculum with societal impact is the key point in developing the curriculum. Faculty members are nominated to various Academic Bodies at University level. At Institute level, faculty have introduced the concept of Design based experiments and miniprojects for most of the courses. Students are encouraged to take online courses such as NPTEL, Coursera etc. for which the institute faculty members act as mentors. Also, the Holistic Student Development approach adopted by the Institute since 2016 has been implemented and successfully continued in this Academic Year.
Teaching and Learning	<ul style="list-style-type: none"> • Faculty plans the academic conduct by syllabus detailing, developing resource book and course file, designing practice sessions, assignments and experiments, IAT paper and the effective conduct of academics. • All lectures and practical are to be conducted as per the plan and are reviewed timetotime to improve the efficiency and effectiveness of teaching learning during semester. • Latest teaching methodologies and various modes of learning are adopted by the faculty members viz. Google classroom, Flipped classroom, ThinkPairShare etc. • Process is monitored at 3 levels viz. Faculty, HOD and Dean Academic to avoid lapses.
Examination and Evaluation	Continuous evaluation through different methods like internal assessment test, assignments, presentations, projects etc. is carried out in each semester. At the end of each semester, university conducts the semester end examination for regular as well as A.T.K.T. examinations. Examinations are mainly Term Work / Practical / Oral / Project viva/Theory. Examination committee is formed to ensure smooth conduct.

Institute communicates the results on the internet through Institute website. Students can request for reevaluation of the end theory examination answer scripts within a stipulated period after announcement of the results. After reevaluation, records are updated with changes if any and the student is issued a revised memorandum of marks.

Research and Development

Areas of domain specific research in various programs are identified and all faculty members and students are encouraged to explore various research avenues. Domain development support like formal partnerships with external entities, facilitating faculty participation, resource procurement in various domains is provided. RD committee ensures compliance of various research proposals granted to institute. Pilot projects are launched for successful development and execution of the challenges so that good ideas can be implemented on a small scale to verify feasibility and impact in a particular region. Students are encouraged to participate in State/National level Hackathon competitions.

Library, ICT and Physical Infrastructure / Instrumentation

To provide the learning resources to students/scholars and faculty to ensure effective teaching learning process with optimum resource utilization at the institute. Following strategies are adopted for improving teaching learning environment.

- Procurement of books as per regulatory body.
- Deputing of additional staff for circulation of books during peak period.
- Providing additional reading rooms during exams.
- Attracting students to utilize library services via orientation programs.
- Availability of library services also on nonworking Saturdays during examination
- Remote access facility is made available through mobile app.
- New reading room with 148 capacity is added.
- ICT 155 Mbps 2 Mbps and Physical Infrastructure / Instrumentation

Human Resource Management

The Governing Body is the supreme body which is headed by the Chairman of the Management Council. Two members of the Management (Correspondent and Secretary), UGC, University and the State Government Nominees, the Principal, Director, Trustee, two

External members as educationists and two Senior Professors of the College are the members. A well-established team of the institute is responsible for ensuring compliance with employment and government laws. Proper care is taken in the selection process for keeping quality in the appointments. Staff sent for various types of training programmes and workshops for enhancing their competence. Work distributed as per qualifications and experience of the staff

Industry Interaction / Collaboration

TP cell takes initiatives for collaboration with various MNCs and Local industries for industrial training and internships for students of all departments. There is inhouse internship facility created for students. Industrial visits for students and faculty are arranged at local level as well as outside state. Technical seminars and workshops are arranged by Industry Experts in every semester. In the international conference organized by the institute every year, special workshop sessions are conducted for students by industry experts.

Admission of Students

Maximizing publicity and brandbuilding of the institute through various awards and recognitions. Extending courtesy to interested candidates seeking information related to admission Prompt enquiry handling through adequate number of admission counters and helpdesks. Spreading awareness through outreach program to attract potential students. Informative brochure to be published and onepage handout of brochure should reach maximum number of people. Website regularly updated with latest information related to admission highlighted. Compliance is met of various norms issued by statutory and regulatory bodies before or on time.

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

E-governance area	Details
Planning and Development	The Academic and some of the administrative planning is done via ERP. Institute has adopted ERP mainly for academic monitoring and control. The lecture planning of all faculty members, attendance, syllabus coverage, Publishing notes/study material for students is done through ERP. Also,

	leave application is made online through ERP. Students are also provided access to necessary documents.
Administration	All records related to students' performance are prepared using software based tools for checking attainments. Consolidation is achieved in effective manner.
Finance and Accounts	The payment of salary to the faculty and staff is done through electronic clearance deposited in the bank. The payment of student fees is also received through NEFT/RTGS mandates. Payment to affiliating bodies other stake holders is also done online through portals.
Student Admission and Support	Form filling, fees, notifications to concerned are published on Institute website. Online consents for Training and Placement, Higher studies, online certification cell activities etc. are taken from students. Also the feedback from students about faculty and Institute are taken online.
Examination	All notices are displayed through website related to Examination form filling, fees, notifications etc. Remuneration for examination is disbursed electronically. The results are prepared using inhouse software.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. Lochan Jolly	NPTEL Online certification	NIL	1200
View File				

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	STTP on Emerging Computing Technologi	NIL	25/06/2019	06/07/2019	26	0

es Applica
tions
(COMP)

[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
STTP on Emerging Computing Technologies Applications	26	25/06/2019	06/07/2019	10

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
133	34	74	67

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Credit Cooperative Society, Medical Camps, Health Insurance, PF, Gratuity	Credit Cooperative Society, Medical Camps, Health Insurance, PF, Gratuity	Scholarships (Full and Partial), Travel Concession, Project Finance through Hobby Clubs

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute conducts Internal Financial Audits regularly. The frequency of these audits is thrice per year. It is done by the CFO of the Institute. The Institute also deems it necessary to conduct external financial audits. The frequency of the same is twice per year. External Statutory Auditors are appointed for the purpose.

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
Zagdu Singh Charitable Trust	500000	Financial Support from Trust to the meritorious students on MeritcumMeans Basis

[View File](#)

6.4.3 – Total corpus fund generated

1631926

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	NIL	Yes	Internal QMS Auditors
Administrative	No	NIL	Yes	Internal QMS Auditors

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

The parentteacher meeting is conducted every year during Induction programme of FE. Parent meet is also organized twice every semester for informing parents counselling. Also, the feedback from parents is taken during such meets. Apart from that, parents are also included in the Advisory committee of each department wherein they can put suggestion towards the growth and development of the organization.

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

1 program was conducted for non-teaching technical staff members on 20 October 2018 Topic: Programming in C

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

1. Gearing up for Autonomy 2. Intensify IndustryInstitute Interaction 3. More Focus on Skill development of students via Holistic Student Development scheme 4. Identify Best practices of each Department

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

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	Monthly Quality Checks	03/09/2018	03/09/2018	20/05/2019	167
View File					

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
Awareness program on " Act on gender balance and	08/09/2018	08/09/2018	16	31

anti plastic rally'				
Promotional activity spreading awareness on "Gender discrimination"	26/09/2018	26/09/2018	22	28
Awareness on "Equal rights for men and women"	28/12/2018	28/12/2018	19	46
Creating awareness for equal opportunities for men and women enacted via role plays	20/01/2019	20/01/2019	25	36
Poster making activity for equal opportunities for men and women	20/01/2019	20/01/2019	19	23
Play on gender mainstreaming	10/02/2019	10/02/2019	17	28

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
Almost 8 of Tata Power Ltd, Mumbai.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Rest Rooms	Yes	0
Any other similar facility	Yes	0
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0

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
2018	1	1	08/09/2018	1	Rally for antiplast	Awareness among the	154

					ic campaign	civilians about the harmful effects of the plastics.	
2018	1	1	14/09/2018	2	Traffic M anagement and Road Safety	The project was held at Mahindra junction and Magathane junction. This is done to create awareness about the rules and regulatio n of traffic.	186
2018	1	1	26/09/2018	1	Plastic Free Society	Volunteer s distrib uted cloth among the civilians to pass message about the harmful effects of plastic on nature.	85
2018	1	1	02/10/2018	2	Joy of Giving Week	Articles likes toys, clothes, blankets were collected and donated to the people of a village adopted by NSS.	0
2018	1	1	26/01/2019	1	Swachh Bharat Abhiyan	Promotion of Swachh Bharat	70

					(National Park)	Abhiyan.	
2018	1	1	19/02/2019	1	Keshav Shristi Old Age Home	Emotional bond was with the residents of old age home to remove the feeling of loneliness in the mind of those old aged people.	73
2018	1	1	21/07/2018	2	Health awareness on water borne diseases	Awareness was created about Lep tospirosis and Emergency Numbers in the nearby locality.	218
2018	1	1	27/07/2018	1	1916 Awareness	People were informed about the single window service for citizen to register grievances	61
2018	1	1	27/07/2018	1	Voters ID awareness	Information about the Voter ID card of the families in the nearby locality was collected thereby making the people	61

						aware about the importance of Voting card.	
2018	1	1	01/08/2018	1	Antismoking awareness	Remedies were suggested to the people in the vicinity for quitting smoking and tobacco.	42
2018	1	1	10/08/2018	1	Institutional Swachhta Abhiyaan	Importance of cleanliness, health and hygiene was instilled among the local residents.	61
2018	1	1	10/08/2018	1	Paper Bag Making	NSS Volunteers made paper bags around 1245 which were distributed among the vendors on the road nearby. This is done to prevent the harmful effects of plastic.	129
2018	1	1	11/08/2018	1	Swachhta Abhiyaan	Importance of cleanliness, health	113

						and hygiene was instilled among the local residents.	
2018	1	1	24/08/2018	1	Blood Donation Camp	214 units of blood were collected in the camp. Bhagwati Hospital and J.J. hospital participated in the camp.	154
2018	1	1	25/08/2018	1	Orphanage Visit	To impart knowledge to the orphanage children and to build problem solving skills in them.	144
2018	1	1	01/09/2018	1	Cloth Bag Making	800 bags were made and distributed among the vendors and citizens on the road in the nearby locality to prevent the harmful effects of plastic.	152

No file uploaded.

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

Title	Date of publication	Follow up(max 100 words)
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ISO Procedure Manual (Chapter 4 Conducive Work Environment)	01/07/2018	Code of conduct of staff and students is formulated by Principal. This is done to provide a conducive work environment. Code of conduct for Teaching and NonTeaching staff is defined as per the AnnexureMP/04/01. Code of conduct for students is defined as per AnnexureMP/04/02 in the TCET QMS manuals.
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Session (for relaxation of mind, body and soul)	03/08/2018	02/02/2019	35
Bhajan Sandhya (to spread the message of nonviolence on the eve of Gandhi Jayanti) conducted at University level	02/10/2018	02/10/2018	19
No file uploaded.			

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

1. Ewaste Management System ? Unusable, irreparable or redundant IT and Electronics equipment are identified by the respective Laboratory Incharge and are declared as obsolete. ? Depending upon the nature, intensity of usage, maintenance cost, serviceability, obsolescence in terms of technology, upgradation of technology etc., the related items are classified by the Lab Incharges with the help of Lab Assistant for the purpose of disposal of these items

2. Solid Waste management system ? Dry waste is placed in GREEN labeled and transported to BMC. Such bins are kept in front of the canteen, beside the food stalls in the campus and other prominent places. ? Recyclable materials are placed in separate bins. ? Wet waste is placed in BLUE labeled bins.

3. Energy Conservation Energy conservation is done during the semester break. All labs which are not operational are closed and the seating arrangement of the staff is generally arranged in a way so that minimum electricity is consumed.

4. Water Conservation Instructions are displayed in the restrooms for proper use of water and other facilities and waste disposal.

5. Green Area Trees and Grass areas are maintained in the campus to the standard and in an environmentally friendly way wherever possible

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Campus Connect Programmes The objective of the programme is to improve the employability skills of students so that they can be placed through campus placement particularly in the industry who is offering the programs

2. Inhouse Internship Internship Program for undergraduate students is introduced to enhance employability prospects, as it gives them an exposure to the industry environment and knowledge about the new technology that industry requires.

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

https://www.tcetmumbai.in/Notice/IOAC/Best_Practices.pdf

7.3 – Institutional Distinctiveness

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

Thakur College of Engineering Technology (TCET) was established in academic year 200102 with a clear objective of providing quality technical education in tune with international standards and contemporary global requirements. The College is recognized by All India Council for Technical Education (AICTE) Govt. of Maharashtra and was affiliated to the University of Mumbai (UOM). Currently the college has attained autonomous status for 10 years from July 2019. The institute is primarily focusing on its vision and mission since its establishment. The institute is striving hard to become an internationally renowned Institute of Engineering Technology and to make the students competent engineers to deliver quality results in industry. Along with the academic achievements, the institute provides the platforms for cocurricular and extracurricular activities which help in the holistic development of students. Studentled clubs, social, cultural and sports activities and many such activities are conducted to inculcate social, moral, ethical and universal values which help them become the responsible citizens of the world. Application of modern technology in teaching learning process and effective daytoday governance of the college makes TCET unique. Key initiatives like teacherguardian scheme, book bank scheme, induction of resource books, yearly organization of events (like MulticonW, technical and cultural festivals etc.) make TCET an institute with a difference. Thus, in 19 years of its existence, TCET has got a position for itself as one of the leading engineering Colleges in Maharashtra. TCET is ISO 9001:2015 certified since 2017. The Institute is recipient of reputed IMC Ramkrishna Bajaj National Quality Commendation Certification 2012 (Education) followed by IMC Ramkrishna Bajaj National Quality Award 2015 (Education). TCET has been awarded in the category of Excellent Performing Innovative Engineering Institute in Maharashtra at National Maharashtra Education Summit Awards 2016, jointly organized by University of Mumbai CMAI Association of India. TCET is a member of National Entrepreneurship Network (NEN) and Confederation of Indian Industry (CII), for active industryinstitute interaction where TCET has been felicitated by CIIEducation Excellence Forum for enhancing Industry Connect, Employability and Faculty Competency. Moreover, the institute is NBA accredited w.e.f. 1.7.2019 for 3 years, and also NAAC accredited for 5 Years w.e.f. 30102017. The Institute is ranked among top 200 colleges in the country and also the winner of Asia Pacific Quality Award (APQA). This shows that the institute is capable of competing with Institutes of different countries and thus making a pathway to its vision. The details of TCET's achievements can be found in the web link provided.

Provide the weblink of the institution

<https://www.tcetmumbai.in/Recognition%20&%20Awards.html>

8.Future Plans of Actions for Next Academic Year

As the Institute has been conferred Autonomous status, therefore scheme and syllabus setting for both UG and PG courses are required. Apart from mandatory credits as per AICTE guidelines, the institute is planning to introduce additional credits for Holistic Student Development as well as specialization courses. The specialization courses will be of interdisciplinary nature and mentors will be allocated to the students interested in pursuing those courses.

This will enable students with better job opportunities as well as higher studies in Indian and foreign Universities. Examination reforms as prescribed by AICTE are to be followed and planning is required to implement the same. Also, an additional intake in Computer Engineering Department has been granted by AICTE. So, planning to improve the infrastructure to meet future requirements is in process. Two additional floors are being constructed above the existing 5storey building. That will create the scope of additional classrooms, laboratories, research centers etc. New lifts, restrooms etc. with modern amenities will be added for staff and students. Cafeteria with adequate seating capacity will also be included. To enhance the research atmosphere in the institute, many initiatives are being taken to improve Industry interaction. The Training and Placement cell is putting collaborative efforts to bring in more and more industries for placements, internships, live projects, R D projects etc. We also ensure holistic grooming of students through employability enhancement schemes consisting of Aptitude, Communication skills, and core competencies development. We are also planning to get accreditation by NBA for Mechanical and Civil Engineering department in next academic year. Both the departments are preparing for the same. In the long run we aim to become an Internationally renowned premiere institute with fullfledged research facilities. That will pave the way to become a Deemed University which is the ultimate dream of the Management of Thakur Educational Group.

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