The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

1. Details of the Institution

1.1	Name of the Institution	Thakur College of Engineering & Technology
1.2	Address Line 1	A-Block, Thakur Educational Campus,
	Address Line 2	Shyamnarayan Thakur Marg, Thakur Village,
	City/Town	Kandivali (E). Mumbai
	State	Maharashtra
	Pin Code	400101
	Institution e-mail address	tcet@thakureducation.org
	Contact Nos.	022 - 67308000, 67308106 / 07
	Name of the Head of the Institution:	Dr. B. K. Mishra
	Tel. No. with STD Code:	022 - 67308000, 67308106 / 07
	Mobile:	9821285825
	Name of the IQAC Co-ordinator:	Dr. Payel Saha

Mobile:	9819412736
IQAC e-mail address:	tcet.iqac@thakureducation.org

1.3 NAAC Track ID *(For ex. MHCOGN 18879)* MHCOGN27536

1.4 NAAC Executive Committee No. & Date: EC(SC)/28/A&A/145.1 dated 30/10/2017

(For Example, EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address:	www.tcetmumbai.in
Web-link of the AQAR:	https://www.tcetmumbai.in/iqac/AQAR2017-18.doc

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.17	2017	5 years 30-10-2017 to 29-10-2022
2	2nd Cycle	--	--	--	--
3	3rd Cycle	--	--	--	--
4	4th Cycle	--	--	--	--

1.7 Date of Establishment of IQAC: DD/MM/YYYY 20/01/2018

1.8 AQAR for the year *(for example 2010-11)* Academic Year 2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*(for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

i. AQAR __NA (First AQAR) (DD/MM/YYYY)
ii. AQAR_____ (DD/MM/YYYY)
iii. AQAR_____ (DD/MM/YYYY)

iv. AQAR _____ (DD/MM/YYYY)

1.10 Institutional Status

University — State [ ] Central [ ] Deemed [ ] Private [√]

Affiliated College — Yes [√] No [ ]

Constituent College — Yes [ ] No [√]

Autonomous college of UGC — Yes [ ] No [√]

Regulatory Agency approved Institution (eg. **AICTE**, ~~BCI, MCI, PCI, NCI~~) — Yes [√] No [ ]

Type of Institution — Co-education [√] Men [ ] Women [ ]

Urban [√] Rural [ ] Tribal [ ]

Financial Status — Grant-in-aid [ ] UGC 2(f) [ ] UGC 12B [ ]

Grant-in-aid +Self-Financing [ ] Totally Self-Financing [√]

1.11 Type of Faculty/Programme

Arts [ ] Science [ ] Commerce [ ] Law [ ] PEI (Phy Edu) [ ]

TEI (Edu) [ ] Engineering [√] Health Science [ ] Management [ ]

Others (Specify) ---

1.12 Name of the Affiliating University *(for the Colleges)* University of Mumbai

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University No

University with Potential for excellence No

UGC-CPE No

DST Star Scheme	No	UGC-CE	No
UGC-Special Assistance Programme	No	DST-FIST	No
UGC-Innovative PG programmes	No	Any other (*Specify*)	---
UGC-COP Programmes	No		

2. IQAC Composition and Activities

2.1	No. of Teachers	18
2.2	No. of Administrative/Technical staff	04
2.3	No. of students	02
2.4	No. of Management representatives	01
2.5	No. of Alumni	02
2.6	No. of any other stakeholder and community representative	02
2.7	No. of Employers/ Industrialists	04
2.8	No. of other External Experts	01
2.9	Total No. of members	34
2.10	No. of IQAC meetings held	02

2.11 No. of meetings with various stakeholders: No. 2 Faculty 17

Non-Teaching Staff 2 Students 2 Alumni 1 Others 09

2.12 Has IQAC received any funding from UGC Yes [ ] No √

during the year? | | |

If yes, mention the amount | ---

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos	02	International		National		State		Institution Level	02

(ii) Themes

ISO 9001:2015 QMS Standards and Manuals (October 2017 and December 2017-January 2018)

2.14 Significant Activities and contribution made by IQAC

The activities identified by IQAC are as below:
1. Quality initiatives for improving teaching-learning process by individual faculty members
2. Design and development of holistic development activities for students
3. Preparation of timetable for improvement of holistic development activities
4. Measurement/evaluation process for holistic development of students by Teacher-Guardian
5. Quality improvement of projects of final year students
6. Sensitizing faculties to catch up with emerging areas of technology through Faculty Development Programmes
7. To bring R&D culture in the institute amongst students by allotting projects from second year onwards and amongst staff by increasing research publications in peer reviewed journals, e-journals, conference proceedings etc. at international and national levels
8. To increase number of internship/summer fellowship done by students during vacation/non-instructional period
9. 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.
10. Implementation of welfare activities through different professional bodies to support society

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

<table>
<tr><th>Plan of Action</th><th>Achievements</th></tr>
<tr><td>i. The departments have initiated the process of Project Based Learning (PBL) for SE (Mini Project), TE (Minor Project). The PBL activity has a future scope for improvement.</td><td>Design thinking is inculcated from Second Year level, which helps project topic selection and further requirements for B.E project.
<table>
<tr><th></th><th>Number of Mini projects (SE)</th><th>Number of Minor projects (TE)</th></tr>
<tr><td>CMPN</td><td>40</td><td>45</td></tr>
<tr><td>IT</td><td>48</td><td>60</td></tr>
<tr><td>EXTC</td><td>49</td><td>57</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td>
<table>
<tr><td>ETRX</td><td>42</td><td>46</td></tr>
<tr><td>MECH</td><td>25</td><td>30</td></tr>
<tr><td>CIVIL</td><td>36</td><td>35</td></tr>
</table>
</td></tr>
<tr><td>ii. Time Slots for Self-Learning and Collaborative-Learning are incorporated where the students and Faculty can access the Library till 8.00 PM for Self-Study as well Research Work. Digital Library is also accessible for accessing/browsing Research Papers. Students and faculty can do Research at Incubation Centre, located at the TCET Extension Centre exclusively set up for budding entrepreneurs.</td><td>In addition to the Library facilities, one-hour Self-Learning slot has been allotted for SE/TE/BE Students in regular time-table.
Also, as per the request from the Student's, any lab facility is kept open for required time beyond college hours.</td></tr>
<tr><td>iii. Industry projects are identified, and students have taken up outhouse projects. The tie-up with industries in the areas of mutual interests is in pipeline.</td><td>The number of outhouse projects carried out in the Academic year 2017-18 is given below.
<table>
<tr><td></td><td>Number of outhouse projects</td></tr>
<tr><td>CMPN</td><td>6</td></tr>
<tr><td>IT</td><td>4</td></tr>
<tr><td>EXTC</td><td>3</td></tr>
<tr><td>ETRX</td><td>4</td></tr>
<tr><td>MECH</td><td>6</td></tr>
<tr><td>CIVIL</td><td>NIL</td></tr>
</table>
</td></tr>
<tr><td>iv. Students take up Internships & Industrial Training is given to students during Semester break, so as to gain a practical exposure and get acquainted with the industry/corporate culture. In addition, Internal Internships have been initiated, planned and conducted which is at the initial stage.</td><td>Internships through T&P Cell
<table>
<tr><td></td><td colspan="2">No of students</td></tr>
<tr><td></td><td>Odd</td><td>Even</td></tr>
<tr><td>CMPN</td><td>97</td><td>34</td></tr>
<tr><td>IT</td><td>39</td><td>38</td></tr>
<tr><td>EXTC</td><td>68</td><td>59</td></tr>
<tr><td>ETRX</td><td>37</td><td>39</td></tr>
<tr><td>MECH</td><td>92</td><td>123</td></tr>
<tr><td>CIVIL</td><td>47</td><td>53</td></tr>
</table>
Internal Internships have been conducted successfully in EXTC & MECH department
<table>
<tr><td></td><td colspan="2">No. of internship by institute</td><td colspan="2">No of students</td></tr>
<tr><td></td><td>Odd</td><td>Even</td><td>Odd</td><td>Even</td></tr>
<tr><td>EXTC</td><td>2</td><td>4</td><td>15</td><td>41</td></tr>
<tr><td>MECH</td><td>-</td><td>1</td><td>-</td><td>26</td></tr>
</table>
</td></tr>
<tr><td>v. Strengthening of Continuous Evaluation through Internal Assessment Tests (Twice a Semester), Remedial Tests (Weekly) and Subject-wise Class Tests, Open Book Tests, Assignment Tests, Tutorials are conducted by faculty members</td><td>The Internal Assessment Tests (All Subjects), Remedial Tests (All Subjects), Subject-wise Class Tests, Open Book Tests, Tutorials are successfully conducted as a part of Continuous Assessment and to understand the learning levels of the students. The performance at end semester examinations has improved in many cases.</td></tr>
</table>

<table>
<tr><td>during the Semester.</td><td></td></tr>
<tr><td>vi. Technology based Learning (TBL) has been implemented in the form of Bridge courses at department level before the commencement of each semester. Faculty and Students have registered for various Online Courses /NPTEL Courses. Also, Alumni Connect Programme is initiated to learn from alumni about the emerging technology areas.</td><td>The following Bridge courses and Online courses have been planned and conducted:
<table>
<tr><th></th><th colspan="3">Online courses like NPTEL (for students)</th><th colspan="3">Bridge course by college</th><th>Online courses like NPTEL (teachers)</th></tr>
<tr><th></th><th>SE</th><th>TE</th><th>BE</th><th>SE</th><th>TE</th><th>BE</th><th></th></tr>
<tr><td>CMPN</td><td colspan="3">13</td><td>2</td><td>2</td><td>2</td><td>-</td></tr>
<tr><td>IT</td><td colspan="3">67</td><td>2</td><td>2</td><td>2</td><td>3</td></tr>
<tr><td>EXTC</td><td colspan="3">12</td><td>2</td><td>2</td><td>1</td><td>10</td></tr>
<tr><td>ETRX</td><td colspan="3">12</td><td>4</td><td>4</td><td>3</td><td>2</td></tr>
<tr><td>MECH</td><td colspan="3">59</td><td>2</td><td>2</td><td>2</td><td>2</td></tr>
<tr><td>CIVIL</td><td colspan="3">10</td><td>2</td><td>2</td><td>2</td><td>-</td></tr>
</table></td></tr>
<tr><td>vii. The departments have conducted faculty development programmes to interact with outside world and strengthen contact with researchers / technocrats.</td><td>The interaction with outside world is done through following activities at dept/institute level;
i. Industrial Visits
ii. STTPs
iii. Internships
iv. Conferences/Meets
v. Guest speakers etc.</td></tr>
<tr><td>viii. The departments have equipped their labs with the latest equipment/machines, High-End PC's and Workstations based on IQAC Findings.</td><td>The upgradation of laboratories at regular intervals as per institute policy and facilities are enhanced as per request from respective departments.</td></tr>
<tr><td>ix. Student Leadership Program has been organized for Class Representatives and further planned for Professional Body Members. Scholarship schemes are also available for Students.</td><td>1 program for Class Representatives has been conducted under Student Welfare Scheme.</td></tr>
<tr><td>x. Activity Based Learning (ABL) is conducted as a regular feature on Fridays and NSS and EWT Activities are organized by the institute in which NSS/EWT Students take part along with the respective faculty in-charges. Students participation can be increased by involving student volunteers for building the activities.</td><td>NSS and EWT activities and participation is shown below:
<table>
<tr><th colspan="2">Number of activities conducted</th></tr>
<tr><th>Odd</th><th>Even</th></tr>
<tr><td>32</td><td>9</td></tr>
</table></td></tr>
</table>

** Academic Calendar of the year Annexure – I.*

2.16 Whether the AQAR was placed in statutory body Yes [√] No [ ]

Management [√] Syndicate [ ] Any other body [ ]

Provide the details of the action taken

i. For PBL, design thinking is inculcated from Second Year level, which helps project topic selection and further requirements for B.E project. Dedicated time slots are provided in the time-table for PBL activities and mentor are allocated to guide the project work. At the end of the semester, project exhibition is also organised.
ii. For self-learning/collaborative learning, laboratory and library facilities are provided beyond college hours. One-hour Self-Learning slot has been allotted for SE/TE/BE Students in regular time-table. Also, as per the request from the Students, Research lab facility is kept open for required time beyond college hours.
iii. Outhouse projects can be explored through Training & Placement Cell (TPC) whose role is to identify and liaise with companies or organisations which support student internships, apprenticeship and also offer projects to students.
iv. S.E. and T.E. students are encouraged to take up industry/internal internship programs during their semester break. In addition, the Internal Internships conducted successfully in EXTC department.
v. The Internal Assessment Tests, Remedial Tests, Subject-wise Class Tests, Open Book Tests, Tutorials were successfully conducted as a part of Continuous Evaluation of the students.
vi. All bridge courses identified in the various departments were conducted. Many students register for online courses like NPTEL, Coursera and faculty in-charges have been allotted as a mentor for the course. The faculty in-charge keeps track of the students' progress once they register for a course under him/her and guide and motivate the students to complete the course along with examination.
vii. The Institute encourages its faculty, technicians and students to interact with industry in all possible ways with the spirit of deriving mutual benefit. The interaction with outside world are done in the following categories for individual/collaborative work

a) Institute-Institute interaction
b) Institute-Industry interaction
c) Institute-Government / Private (Govt. recognized) agencies interaction
d) Institute- Governing/Professional/Accrediting bodies interaction
e) Institute-R&D funding agencies interaction
f) Institute-Foreign institute interaction

The areas of interaction are identified with priorities in terms of research, consultancy, entrepreneurship, placements, higher studies etc. for individual and collaborative activities. Liaison with funding agencies about direction of future funding initiatives in research, consultancy and entrepreneurship is also done. Formation of MoU with different agencies like government, non-government agencies and industries for research, consultancy, entrepreneurship etc. for individual or collaborative work, partnerships and creation of intellectual properties is done. Various sscholarships/fellowships instituted by industries at the Institute for students are identified and pursued. Visits of industry executives and practicing engineers to the Institute are conducted for seeing research work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences and participating in curriculum development.

viii. Laboratory equipments, computing hardware and software are identified at the beginning of each year and budget is prepared accordingly and the equipments are procured as per the institute policy.
ix. The class representatives of S.E., T.E. and B.E. of all departments are oriented by Dean SSW and trainers from industry for inculcating leadership attributes, ethics, time management, code of conduct etc. in them.

x. NSS/EWT activities are conducted at SE and TE level in 4 domains viz, Health, Education, Society and Environment. The responsibilities for event planning, responsibility distribution and its execution as per schedule, monitoring, programme organization, report preparation, account settlement etc. is identified by the NSS/EWT faculty co-ordinators.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	02	01	03	00
PG	03	00	03	00
UG	06	00	06	00
PG Diploma	00	00	00	00
Advanced Diploma	00	00	00	00
Diploma	00	00	00	00
Certificate	00	00	00	00
Others	00	00	00	00
Total	11	01	12	00

Interdisciplinary	00	00	00	00
Innovative	00	00	00	00

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	09
Trimester	00
Annual	03

1.3 Feedback from stakeholders* *(On all aspects)* Alumni [√] Parents [√] Employers [√] Students [√]

Mode of feedback Online [√] Manual [√] Co-operating schools (for PEI) [ ]

**Feedback Analysis Annexure - II*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

1. Choice based grading scheme in which electives are introduced from Semester V.
2. One mini project is introduced in all the laboratory courses and mini project course is removed.
3. Simulation based experiments are introduced in laboratory courses.
4. Open software simulation lab is added in the syllabus scheme.

5. New electives are added at third year level and institute level interdisciplinary subjects are introduced in final year

1.5 Any new Department/Centre introduced during the year. If yes, give details

Ph.D. in Information Technology is added in the current year.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professor	Associate Professors	Professors	Other
140	118	11	10	01

2.2 No. of permanent faculty with Ph.D. 30

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professor		Associate Professors		Professors		Other		Total	
R	V/S*	R	V	R	V	R	V	R	V
143	+09	11	-25	10	-04	12	0	176	-20

*S = Surplus, '+' is for Surplus Value, '-' is for Vacant Value

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest	Visiting	Temporary
0	02	15

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	97	55	0
Presented papers	120	51	0
Resource Persons	10	4	0

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The Institute has adopted various modes of Teaching-Learning such as

- Students are encouraged to give presentation on topics beyond syllabus related to the subject which gives them an option to explore concepts beyond prescribed syllabus
- To discourage copying of writing material from one another and to make students study on timely basis, assignments are conducted in the form of tests.
- To encourage the culture of developing solutions to real-life problems and to expose the students to the latest trends in the field of technology, the institute has started the concept of project-based learning and activity-based learning
- To help students cope with the vast syllabus by studying on timely basis and not at the last moment,

Multiple Choice Questions tests are conducted regularly

- Alongside classroom teaching, video lectures of short duration for important concepts are also provided to students for better grasping of the topic
- With the intention of helping weak students cope in subjects that they have failed in; crash courses are held specially for them.
- To understand whether students are able to cope up with the flow of teaching in class and to encourage regular study, club tests have been framed which is conducted on Fridays in activity hours with pre-distributed questions given in the form of assignment.
- To make the teaching-learning process more student centric, different activities like flip classroom, think-pair-share activity, role plays have been conducted to make the students get more engaged with the subject

2.7 Total No. of actual teaching days during this academic year

F.E. – 133
S.E. to B.E. – 144.5

2.8 Examination / Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple-Choice Questions)

The examination and Evaluation systems are as per guidelines provided by UOM.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

Board of Study	Faculty	Curriculum Development
04	19	17

*The institute has applied for graded autonomy and is in the process of designing its own curriculum.

2.10 Average percentage of attendance of students

78%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme		Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
CMPN	UG	144	49.65	30.07	18.88	0.71	99.31
EXTC	UG	149	23.29	43.15	27.40	4.15	97.99
IT	UG	154	41.18	41.18	16.99	0	99.35
ETRX	UG	73	15.28	38.89	40.28	4.11	98.63
MECH	UG	157	32.26	34.84	24.52	7.11	98.73
CIVIL	UG	135	23.31	37.59	38.35	0.73	98.52
CMPN	PG	12	91.67	8.33	0	0	100
EXTC	PG	8	75	12.5	12.5	0	100
IT	PG	12	91.67	8.33	0	0	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- IQAC ensures the smooth conduct of teaching-learning process through proper monitoring and checking through department coordinators. The planning phase starts before the semester

commencement and execution is carried out as per academic calendar.

- Monthly checking is done by QA team at department and institute level.
- Monitoring and evaluation is also carried out through quarterly ISO audits to ensure quality.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	02
UGC – Faculty Improvement Programme	-
HRD programmes	40
Orientation programmes	05
Faculty exchange programme	15
Staff training conducted by the university	-
Staff training conducted by other institutions	05
Summer / Winter schools, Workshops, etc.	20
Others	03 - IT (Infosys Programme)

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	38	0	0	2 excluding adhoc staff
Technical Staff	47 + (4 teaching Asst.)	0	0	1 excluding adhoc staff

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Identification of National Relevance Projects.
- Faculty in the same domain are encouraged to present paper in collaboration.
- Integration of engineering approach in project development.
- Students are encouraged for publication related to their project.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	05	0	05	05

Outlay in Rs. Lakhs	5.00*	0	5.00	5.00

*contingency fund 3lakhs additional

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	0	7	7
Outlay in Rs. Lakhs	2.09	0	2.09	2.09

3.4 Details on research publications

	International	National	Others
Peer Review Journals	35	-	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	208	90	-

3.5 Details on Impact factor of publications:

Range	Average	h-index	Nos. in SCOPUS
0.718-6.887	3.35	2.23	5

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2017-18	IEDC	Rs. 5,00,000/-	Rs. 5,00,000/-
Minor Projects	2017-18	UOM	Rs. 2,09,000/-	Rs. 2,09,000/-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2017-18 (Hobby Club)	TCET	Rs. 30,000/-	Rs. 4,879/-
Students research projects *(other than compulsory by the University)*	2017-18 (Minds Eye)	TCET	Rs. 99,600/-	Rs. 64,112/-
Any other (Specify)	Research Meet (5th January 2017)	TCET	Rs. 1,52,500/-	Rs. 82,556/-
Total	-	-	Rs. 9,91,100	Rs. 8,60,547/-

3.7 No. of Books published

i) With ISBN No. 03 Chapters in Edited Books -

ii) Without ISBN No. 2 + 12 Resource Books

3.8 No. of University Departments receiving funds from

UGC-SAP - CAS - DST-FIST -

DPE - DBT Scheme / funds -

3.9 For colleges Autonomy - CPE - DBT Star Scheme -

INSPIRE - CE - Any Other (specify) -

3.10 Revenue generated through consultancy 7,09,000/- + C-DAC (5,41,000/-)

3.11 No. of conferences organised by the Institution

Level	International	National	State	University	College
Number	7	2	-	-	-
Sponsoring agencies	SAE INDIA (Rs. 10,000/-)	Saraswat Bank (Rs. 10,000/-) Inspirus Education (Rs. 15,000/-)	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons 17

3.13 No. of collaborations

International - National 1 Any other -

3.14 No. of linkages created during this year 2 (MHRD + CII)

3.15 Total budget for research for current year:

From funding agency 7,09,000/- From Management of University/College 2,04,014/-

Total 9,13,014/-

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	7
	Granted	0
International	Applied	-

Commercialised	Granted	-
	Applied	-
	Granted	-

3.17 No. of research awards / recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist.	College
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution who are Ph.D. Guides: 10

and students registered under them: 25

3.19 No. of Ph.D. awarded by faculty from the Institution: 01

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF: - SRF: - Project Fellows: - Any other: -

3.21 No. of students participated in NSS events:

University level: 146 State level: -

National level: - International level: -

3.22 No. of students participated in NCC events:

University level: - State level: -

National level: - International level: -

3.23 No. of Awards won in NSS:

University level: - State level: -

National level: - International level: -

3.24 No. of Awards won in NCC:

University level: - State level: -

National level: - International level: -

3.25 No. of Extension activities organised

University forum	2	College forum	13		
NCC	-	NSS	21	Any other	-

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Health: Blood Donation Camp (At institute on 03/10/2017)
- Health: Medical Camp (At adopted village Saiwan on 23/12/2017)
- Environment: Tree Plantation (At adopted area Damu Nagar on 22/07/2017 and adopted village Saiwan on 23/12/2017)
- Education: BMC School teaching on 22/09/2017 and at adopted village on 23/12/2017
- Society: Swacch Bharat Abhiyan on 01/09/2017, 06/08/2017, 15/08/2017 and 23/12/2017
- Society: Volunteering during Ganapati Visarjan on 2nd, 5th, 7th and 10th day of Visarjan during 2017

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	2.5 acre	0	College	2.5 acre
Class rooms	40	0	College	40
Laboratories	72	0	College	72
Seminar Halls	6	0	College	6
No. of important equipment purchased (≥ 1-0 lakh) during the current year.	24	2	College	26
Value of the equipment purchased during the year	14,93,14,688/-	1,54,09,593/-	College	16,47,24,281/-
Others	-	-	-	-

4.2 Computerization of administration and Library

LMS (Learning Management System) Exam, Library function, and accounts functions are digitized. (Full fledge ERP implementation under process).

- Administrative office is automated for Application forms, Merit lists, Admissions, Examination forms, Scholarship forms, Library enrolment, and other administrative work.
- The library uses an ERP College Administration Software. Book Circulation, Stock Verification and OPAC facilities are utilized through the library software

- Digital display board for common communications.
- The exam database and analysis software have been procured for the examination section for results
- KOHA Library Management software is used for Library functions such as books transactions and report generation etc.

4.3 Library services

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	28000	1,36,84,525	907	5,49,564	28907	1,42,34,089
Reference Books	2300	23,00,000	95	97,400	2395	23,97,400
e-Books	2100	3,23,471	2300	2,92,174	4400	6,15,645
Journals	81	27,66,654	81	2,70,720	81	30,37,374
e-journals database	8	1,07,79,845	9	21,96,223	09	1,29,76,068
CD & Video	35	34,312	0	0	35	34,312
Others (specify)	11	72,479	11	8,590	11	81,069

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depts	Others
Existing	1197	30	54 Mbps	-	3	1	6	-
Added	0	0	18 Mbps	-	0	0	0	-
Total	1197	30	72 Mbps	-	3	1	6	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- High End Servers, Workstation, Desktops connected with robust network configured with Gigabit CISCO switches and fibre optic as backbone of the network.
- ERP module wise usability training is conducted for teaching and non-teaching staff.
- Wi-fi enabled campus
- Video Conferencing facilities for online programmes and sessions.

4.6 Amount spent on maintenance in lakhs:

i) ICT 17835672/-

ii) Campus Infrastructure and facilities 9754994/-

ii) Campus Infrastructure and facilities	9754994/-
iii) Equipments	1721728/-
iv) Others	124320/-
Total:	2,94,36,714/-

Criterion -V

5 Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC ensures that the departments create awareness about Student Support Services (Library, T&P Cell, HOC Cell, Grievance Redressal, women Development Cell and Social Bodies) through Orientation programmes (First Week), Class committee / Representative meetings, Information display on website / notice board, Parents Meetings and Grievance Redressal Cell mechanisms.

5.2 Efforts made by the institution for tracking the progression

Tracking of the progression is done by:

- Each department maintains records related to programme – Admission, Success rate, percentage of students progressing to higher education or employment etc.
- Monitoring and tracking of academic performance through Student Mentor assigned batch wise
- Regular monitoring of student's attendance and participation in co-curricular and extracurricular activities.
- Use of ERP for maintaining data related to student development activities

5.3 (a) Total no. of students

UG	PG	Ph.D.	Others
3175	44	09	-

(b) No. of students outside the state: 80

(c) No. of international students: 0

Men	No	%
	2616	81.04%

Women	No	%
	612	18.96%

Last Year						This Year					
Gen	SC	ST	OBC	Physically Challenged	Total	Gen	SC	ST	OBC	Physically Challenged	Total
3030	24	0	38	03	3095	3159	20	01	45	03	3228

Demand ratio: 6.611 Dropout %: 3.83%

5.4 Details of student support mechanism for coaching for competitive examination (If any)

- A Higher Education and Online Courses Certification Cell is formed to guide students for Higher Studies or for Competitive Exams.
- There are department wise coordinators allocated for guiding and creating awareness among students.
- Regular sessions and mock tests are conducted by HOC cell.

No. of student beneficiaries | 295

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	21	CAT	9
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	(GRE) 103 TOEFL 70 IELTS 56

5.6 Details of student counselling and career guidance

Students Counselling:

TCET has appointed a professional counsellor for counselling the students having severe issues or who tend to drift from regular academics and require professional help apart from the regular teacher guardian scheme of the institute where a group of students are given a teacher guardian for guidance and counselling time-to-time.

Career Guidance:

For career guidance, TCET has dedicated Training & Placement Cell (TPC) for professional placement activities and Higher Education, Online Courses and Certification Cell (HOC) for guiding the students who wish to pursue higher education or online courses and certification.

The Training & Placement Cell of TCET facilitates training along with placement to engineering students. TPC also tries to collaborate and initiate tie-ups with leading organizations and institutes for providing counselling and guiding students for the career. Different orientation sessions are organized to keep students abreast with the recent developments in their specialised field. Special training is also provided in specific domains to enhance the learning advancements and to bridge the gap between industry and academia. This helps in engaging students and other stakeholders in lifelong learning which will enable a multi-dimensional growth.

Higher Education, Online Courses & Certification Cell (HOC)

TCET has established the Higher Education, Online Courses & Certification Cell (HOC Cell) to help student to understand his/her final dream and make the right career decision in a sensible manner. HOC section in-charge and one coordinator from each of the core departments have been given the responsibility of managing this Cell.

No. of students benefitted | 22 (Counselling) + 302 (TPC) + 127 (HOC) = 451

5.7 Details of campus placement

On Campus	Off Campus

Number of Organisations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
107	493	284	18

5.8 Details of gender sensitization programmes

Gender Sensitivity seminar was conducted for all S.E. students as a part of Student development programme. The external resource people were:

1. Ms. Abhilasha Gupta
2. Mr. Ranjit Sayal
3. Mr. Chandrashekhar Thakkar

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level	National level	International level
18	51	--

No. of students participated in cultural events

State/ University level	National level	International level
20	--	--

5.9.2 No. of medals / awards won by students in Sports, Games and other events

		State/ University level	National level	International level
Sports:		05	32	--
Cultural	State /University level	03	--	--

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	1	2,00,000/-
Financial support from government	373	2,17,35,193/-
Financial support from other sources	19	19,48,948/-
Number of students who received International/National recognitions	0	0

5.11 Student Organised / initiatives

		State/University level	National level	International level
Fairs:		--	--	--
Exhibition:	State/University	--	--	--

level			

5.12 No. of social initiatives undertaken by the students: 34

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6 Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION
Thakur College of Engineering and Technology will excel in Technical Education to become an internationally renowned premier Institute of Engineering and Technology.

MISSION
To provide state-of-the-art infrastructure and right academic ambience for developing professional skills as well as an environment for growth of leadership and managerial skills to students which will make them competent engineers to deliver quality results in industry.

6.2 Does the Institution have a management Information System

Yes. The College has a full-fledged Management information system for the Academic and administrative functioning of the college. The administrative system in the college is fully automated with appropriate software and ERP system. All information related to student admissions, examinations, marks, fee payments, etc. is available for timely decision making and actions. As TCET is ISO 9001:2015 certified, so there is a well-established system for timely report generation at department level and institute level.
Some of the reports which are generated on regular basis are as given below

A. Institute Level:
i. Admission Report
ii. Internal Assessment test report
iii. University exam result report
iv. Placement report
v. Management Review Meeting report
vi. IQAC Quarterly Meeting
vii. Governing Council Report

B. Department Level:
i. Load Allocation
ii. Attendance Analysis
iii. Monthly Defaulter report
iv. Syllabus coverage report
v. Class In-Charge report
vi. Lab In-Charge report
vii. Mid semester Review report
viii. Semester end Review report

6.3 Quality improvement strategies adopted by the institution for each of the following

6.3.1 Curriculum Development

- As an affiliated College, the Institution follows Mumbai University curriculum. In an affiliating system there is limited flexibility for innovative curriculum development. However, the Institute has adopted the following strategies for curriculum enrichment:
- Program committee is formed at department level comprising of senior and experienced faculty members. There are regular meetings held by Program Committee in which the needs of stake holders are discussed and gaps in the existing curriculum are identified.
- To address the gaps, the departments conducts various co-curricular activities like bridge courses, seminars, workshops, industry visits, alumni connect talks etc. which ensures that the component beyond curriculum encompasses concerns like employability, research, topics in emerging trends, social relevance and social needs etc.
- Design Based experiments and mini-project based experiments are included in the laboratory work to enhance the learning of students beyond curriculum.
- For holistic development of students at TCET various activities are designed and time slots are kept in academic time table under Activity Based Learning, Project Based Learning and Technology Based Learning and their outcomes are evaluated.
- Also, there are regular meetings by the Advisory committee at department level and at the institute level with internal and external experts from academia, Industry and alumni are involved which also helps in the curriculum development process.
- Faculty members of the institute are elected in the University Board of Studies and they contribute to the syllabus designing.

6.3.2 Teaching and Learning

The Institute has adopted the following strategies for improvement in the Teaching and Learning process:

i. Before start of each academic year and semester, Academic Calendar is prepared in consultation with concerned stakeholders. This academic calendar is followed meticulously throughout the year.
ii. The semester plan based on Bloom's Taxonomy is prepared by faculty members well in advance and made available on ERP to students.
iii. Also teaching modules, assignments and Presentations are posted timely on ERP for students.
iv. Resource Books and Laboratory write-ups are created by faculty members teaching the same subject and are made available to the students.
v. Teaching and Learning process is strengthened with the help of e-learning resources, On-line Learning (Moodle) software.
vi. Students are oriented at the beginning of the semester regarding the Outcome based education method which is followed in the institute.
vii. Emphasis is given on creation of learning environment in classes which includes critical thinking, case analysis and creativity.
viii. For all programmes practical orientation is insisted in the form of projects, Mini projects, industrial visit, guest lectures, workshops, seminars etc.
ix. Faculty development programmes and in-service training are conducted once in a year to enrich their teaching-learning methods.
x. Continuous evaluation process is implemented through different methods like internal assessment tests, assignments, presentations, projects, club test, practice test etc.
xi. Remedial classes are conducted for slow learners.
xii. Mentoring and counselling of slow learners are part of teaching and learning process.
xiii. The laboratory experiment list is modified every year to include 20 to 30% changes.

While delivering sessions, some of the innovative practices followed are as given below:

1. Google Classroom
2. Think-pair-share activity

3. Usage of Audio Visual tools
4. Flipped Classrooms
5. Use of Simulation tools

6.3.3 Examination and Evaluation

The Institute has adopted the following strategies for improvement in the Examination and Evaluation process:

i. The end semester examination is conducted by Institute as per guidelines given by University of Mumbai. The question papers for end exams are set by University and paper setters are appointed by University of Mumbai.
ii. There is separate Examination committee with members from each department to ensure smooth conduct of examinations.
iii. Timetable of exam is displayed on all the floors of the institute and exam related notifications are posted on the website.
iv. A helpdesk is kept in the ground floor to address all queries of the students during examinations.
v. Internal Squad team is also appointed to prevent malpractices during the examinations.
vi. 3 set of question papers are prepared by subject teachers and one is chosen at random by authority.
vii. Evaluation of answer scripts is done within one week of completion of exams.
viii. The CAP clusters are equipped with latest PCs and facilitated by high speed internet to speed up assessment process.
ix. The results are prepared by institute and moderated at University for Sem III-VI, then results are published on Institute website. For F.E and B.E results are prepared and published by University of Mumbai.
x. Institute communicates the outcome of the evaluation by publishing results on the internet through Institute website.
xi. Students shall be permitted to request for revaluation of the end theory examination answer scripts within a stipulated period after announcement of the results.
xii. After revaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks
xiii. Any grievance related to examination is addressed by a Grievance Redressal Committee

6.3.4 Research and Development

The Institute has adopted the following strategies for improvement in the Research and Development process:

i. Faculty members are encouraged for pursuing research and time slots are provided in the time table.
ii. Policies are framed to enhance research culture amongst students and staff members.
iii. The institute has established centre of excellence and advanced research labs in collaboration with industries.
iv. To enhance the quality of research, various platforms such as, conferences, project exhibitions and competitions are conducted at the institute level.
v. Students are oriented regarding all these activities and the research grant facilities available from various government and non-government agencies.
vi. The research committee, at institute level, monitors the research activities and keeps track of the usage of various resources and facilities available for research.
vii. Faculty are encouraged to prepare proposals to increase the number of grants.
viii. Motivating students for start-ups to increase employment opportunity for others as well.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The Institute has adopted the following strategies for improvement in the Library process:

i. Additional Reading Room in library during exams to accommodate more number of students visiting library during that phase.
ii. Library is kept open for extended hours for students and staff to facilitate the learning of students and staff beyond college hours in conducive atmosphere.
iii. E-Library app developed for online perusal of books via smart phones making the search process simpler and easy.
iv. For increasing student-book ratio over and above the specified value of 4:1, library committee invites suggestions from students and staff for book titles which are relevant and useful.

The Institute has adopted the following strategies for improvement in the ICT:

i. Increase the bandwidth of Internet Leased Line for faster processing increasing efficiency.
ii. Increase the number of computers for facilitating learning of students
iii. Enhanced security with firewalls and antivirus software to prevent malicious activities.
iv. Number of CCTV cameras increased to improve campus safety.
v. Free Wi-fi zones provided at prominent places for ease of internet access at will.

6.3.6 Human Resource Management

i. The day-to-day management activities and strategic direction making activities have steering committees responsible for the execution under supervision of experienced members guided by Deans and head of the institute.
ii. The management sets the strategic framework in which the chief executive officer can operate, while maintaining a supervisory function to ensure that this framework is respected.
iii. Evaluation of the faculty and staff is done on regular basis as per the Performance Review and Development Programmes (PRDP)
iv. Faculty training needs are identified and programs like FDP, STTP etc. conducted to improve their efficiency.
v. Succession planning for departments to develop future leaders.
vi. Providing conducive work environment to faculty and staff for reducing attrition rate
vii. Suggestion box kept in admin office to receive suggestions from all employees to bring improvements.
viii. Grievance Cell committee for redressing staff grievances

6.3.7 Faculty and Staff recruitment

The Institute has adopted the following strategies for improvement in the Faculty and Staff Recruitment process:

i. The faculty and staff recruitment are done based on merit.
ii. The vacancies arising at different points of time are notified in news-papers and applications are received.
iii. The candidates are called for an interview through advertisement in regional/national newspapers, College Website and in response to their application for the posts submitted voluntarily.
iv. Constitution of the Selection Committee, consisting of the Members of the Management, Principal, HOD and subject expert from outside.
v. Conduct the interview paying importance to their aptitude, communication skill, interest in teaching profession, educational qualification, professional competency, subject knowledge etc.
vi. The Committee approves the selection and the appointment order to the selected candidate is

offered.

6.3.8 Industry Interaction / Collaboration

At Institute Level:

1. Training and Placement related activities **(TPC) ongoing**
2. Industrial Visits (Local, Outside Mumbai, For Faculty and staff)
3. Consultancy
4. MULTICON-W (ongoing)
5. Hackathon

At Department Level:

At department levels various initiatives are taken to improve interaction /collaboration with industries. The major areas where industry and department collaboration done is as follows:

1. Projects: Students are encouraged to undertake their final year project in industries and department supports in various ways to carry out the same. All core departments have established connect with industries for this purpose.
2. Laboratory related collaboration (ongoing): Collaboration with Texas, TATA Technologies and Accenture Innovation Centre
3. Seminars, Workshops and Training Sessions (in FDPs etc): For conducting seminars and workshops Industry experts are identified and hands on sessions are being conducted for students. With this direct interaction with industry professionals is possible. Also, for faculty development programmes, industry experts are invited and due to this sharing of latest technology development is possible for faculty.

6.3.9 Admission of Students

- Institute takes proactive steps for admission related procedure by publicising on various platforms.
- Detail information to stakeholders is made available through enquiry counters and trained staff.

Admissions in Under Graduate (UG) & Post Graduate (PG) programme are carried out in the institute as per the norms of Directorate of Technical Education – Maharashtra State. The rules and regulations prescribed by All India Council for Technical Education, Directorate of Technical Education – Maharashtra State and University of Mumbai are applicable.

6.4 Welfare schemes for

Teaching	FDP is planned by every department for semester break. Credit society is formed, medical camp is conducted, medical claim is provided on consent, provident fund, sponsorship is given for higher studies and sponsorship is provided for training programs/workshops/seminars
Non-teaching	Technical staff we are planning lab staff development program from this semester to enhance their knowledge about various lab courses conducted in their labs, Credit society is formed, medical camp is conducted
Students	SDP is planned at the start of semester, Scholarships for needy students are arranged

6.5 Total corpus fund generated: Not Applicable

6.6 Whether annual financial audit has been done: Yes [√] No [ ]

6.7 Whether Academic and Administrative Audit (AAA) has been done

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IRClass	Yes	Internal auditors
Administrative	Yes	IRClass	Yes	Internal auditors

6.8 Does the **University**/Autonomous College declare results within 30 days

For UG Programmes	Yes		No	√
For PG Programmes	Yes		No	√

6.9 What efforts are made by the University/Autonomous College for Examination Reforms?

Online cluster centres are increased for speedy assessment. Assessment is happening in room equipped with cameras. Question paper delivery is online through dedicated server system

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The University encourages the Colleges of good standing under their ambit to apply for autonomous status
• Help promote academic freedom in autonomous colleges by encouraging introduction of innovative academic programmes
• Facilitate introduction of new courses of study, subject to the required minimum number of hours of instruction, content and standards provided the UGC Regulations on the Specification of Degrees are followed by the College
• Permit them to issue their own provisional, migration and other certificates
• Ensure that degrees/diplomas/certificates issued indicate the name of the college
• Nominate eminent academicians of the university to serve in various committees of the autonomous colleges for giving inputs for the improvement of the functioning of the College
• Create exclusive support system, if needed for autonomous college, to facilitate the smooth working of the autonomous colleges under its ambit
• Forward the application of the College to UGC within the specified timeframe.

6.11 Activities and support from the Alumni Association

1. Yearly Alumni meet is conducted in the month of December
2. Mock interviews for the students
3. Alumni Connect at the department level

6.12 Activities and support from the Parent-Teacher Association

1. Parents are invited for advisory committee meeting and suggestions are taken on regular basis regarding academic and non-academic matters.
2. Parent meeting is called twice in a semester by department and suggestions and feedback is taken.
3. Industrial Visits arranged with the support of Parents.
4. Parents requested to contribute in providing projects aimed at solving industrial/societal problems through their industry references

6.13 Development programmes for support staff

A training program was conducted for non-teaching technical staff to enhance their technical skills.

6.14 Initiatives taken by the institution to make the campus eco-friendly

The institute has adopted a 4R philosophy based on reduce, reuse, recycle and rethink to minimize waste and make the campus eco-friendly. Waste reduction, reuse and recycling program at the institute focuses and identifies areas for implementation of good practices for waste management. The waste management techniques are discussed below:

1. Paper waste: The unused papers in the answer booklets of the students are bound and used by faculty members as a diary for taking notes. The files submitted by students as part of their course work are reused by each department. Double sided printing is encouraged to maintain records, papers which are printed only on one side for temporary records for academic compliance are reused. Toner cartridges are refilled.
2. Food Waste: Canteen manager is informed about the number of students, visitors and employees likely to be on campus to reduce food waste. The food waste generated in the canteen is converted to compost using composting tumblers. This compost is used as manure for trees and plants maintained in the campus and there is a plan to market the excess compost to nurseries.
3. Reduction in usage of Plastic: To prevent excessive use of plastic bags, the institute provided compact designed cloth bags which can be easily folded to a very miniature size. The bags had a message "avoid use of plastic bags".
4. Solid waste: Development and testing of enzymes developed from vegetable waste Development of technology for converting disposable coffee/tea cups to false ceiling tile.
5. E-waste: Computers and other equipment which are outdated for engineering courses but are reusable are transferred/donated to group schools prior to making a new purchase. The Institute has also identified responsible e-waste disposal firms who confirm to OHSAS 18001 and ISO 14001 environmental management systems for disposal of equipment which has reached end of life.
6. Water management: Water management and conservation is achieved through policy advocacy, capacity building and creating awareness. The first step towards water management and conservation is to conduct a water audit to find out the roof top and surface area and to calculate the water harvesting potential and the capacity of the waste water system. This is followed by assessing the fixtures, equipment, landscaping practice, cleaning, consumption, personal hygiene, housekeeping canteen kitchen etc. to determine the efficiency of the water usage followed by recommendation to improve efficiency of water use. Rain water harvesting system to recharge ground water aquifers and storage for use in watering plants, washing vehicles etc. Waste water recycling systems for treating waste water and its subsequent use in irrigation of landscape and plants is also recommended. Development of sedimentation tank for filtration of waste water (Details with Civil Department)
7. Energy Conservation: The following initiatives at the institute would enable energy conservation
   - Signboards in every classroom asking students to switch off lights fans and air conditioners when not required and particularly if someone is the last person leaving the class room.
   - Instructions to floor peons to monitor the status of the class room after every class
   - Awareness campaign during annual festivals and events.
   - Switching to energy efficient LED lights from the current CFL lamps and star rated air conditioners systematically is another effort t towards lowering energy use.
   - Replaced chilling plant for air conditioning with cassette air conditioners.
   - During the vacation period the institute has a dedicated seating area for staff who are not

on vacation and laboratories, class rooms and common areas are open only when necessary

Criterion – VII

7. Innovations and Best Practice

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Introduction of Mini, Minor Projects under Project Based Learning
2. Enriched curriculum through Semester Plan
3. Building Student Portfolio
4. Display of Recent Trends/ Value Added Courses
5. Formation of Student Advisory Committee
6. Attendance benefit through Remedial Test
7. Implementation of Student Engagement Matrix

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

IQAC SUGGESTIONS	ACTIONS TAKEN
Effective utilization of R & D Cell for doing Research.	1. PhD Research Centre is established for CMPN and IT Department. 2. To enhance Research culture among Students, the lab facility is available beyond college hours with prior permissions. 3. The R&D Cell is accessible to Students as well as the faculty members.
More practice sessions can be incorporated in Teaching and Learning Process	Zero Hour slot is made available in the Time-Table for conducting extra lectures and Practice Sessions.
Internships and Outhouse Projects for all students should be increased.	The number of student internships and outhouse major projects has increased. (Around 75 students have done Internships in CMPN Dept during the Semester Break in June 2018)
Bridge courses need to be identified and conducted to address the gaps between curricula and industry requirements.	Bridge Courses are conducted during the TBL Sessions, some are registered for Direct Courses and few are doing online courses from NPTEL, Udemy, Coursera, etc. (Indirect)
Institute should have an alignment with industry related projects such as health care	Students are doing Major Outhouse Project identified from Bhakti Vedanta Hospital, Mira Road during Students Internships.
IQAC should strengthen monthly check of the regular activities to evaluate faculty wise, department wise, and institute wise performance.	The monthly QA Report is generated to monitor and evaluate performance of faculty, department, and institute activities.

Institute level outreach programs should be further strengthened	TCET-NSS and TCET-EWT conduct programs to contribute towards Welfare of the Society and Environment.

7.3 Give two Best Practices of the institution *(Please see the format in the NAAC Self-study Manuals)*

1. Implementation of an innovative approach for Holistic Student Development
2. Teacher-Guardian scheme with portfolio building

**Best Practice details in Annexure – III*

7.4 Contribution to environmental awareness / protection

Activities towards environment awareness and protection have been conducted under NSS TCET Student's Chapter:

Date	Name of The Project	Objective	Outcome	Domain
6/8/2017	Swacch Bharat Abhiyaan at Janupada	To spread the importance of cleanliness and to promote Swachh Bharat Abhiyan and emphasize on the fact that clean mind and body reside in clean environment.	Importance of cleanliness, health and hygiene was instilled among the local residents	Society
12/8/2017	Paper bag distribution	To use the alternative of harmful plastic by making paper bag.	Volunteers made paper bags around 1245 which were distributed among the vendors on the road.	Society and Environment
09/09/2017	Swachh Bharat Abhiyaan (Singh Estate)	To spread the importance of cleanliness and to promote Swachh Bharat Abhiyan	The Cleanliness Drive was conducted successfully	Environment and Society
19/01/2018	Seminar on Disaster Management	To get some basic knowledge of how to react in any disaster affected place.	Volunteers got to know some tips and tricks on disaster management.	Society, Environment and Education.
26/01/2018	Swachh Bharat Abhiyan (National Park)	To spread importance of the cleanliness and to promote Swachh Bharat Abhiyan	The cleanliness drive was conducted successfully	Society, Environmer
09/02/2018 10/02/2018 11/02/2018	City Beautification	To promote cleanliness with the help of city beautification project.	The project was conducted successfully.	Society, Environment

04/07/2018	Tree Plantation	To make people aware of protection of environment in order to promote sustainable development. eco-regeneration and rehabilitation of degraded areas. protection and conservation of flora, fauna.	It helps to create environmental awareness to maintain the balance of ecosystem. This encourages people to care for and take ownership of the trees planted by them.	Society and Environment

7.5 Whether environmental audit was conducted? Yes [√] No [ ]

TCET participated under AICTE Clean Campus Award 2017 held on 2nd Oct 2017 at College of Engineering, Pune (CoEP), Maharashtra

7.6 Any other relevant information the institution wishes to add. (for example, SWOT Analysis)

• **Strengths** 1. Strong Academic Planning and Monitoring 2. Various development programmes conducted at institute levels for Faculty members as well as students (FDP/SDP) 3. To promote research, Multicon-W as (International conference & Workshop) is organised every year 4. Well-equipped and spacious laboratories 5. Well-designed system for student's career counselling 6. Well defined hierarchical structure 7. Activity based learning for holistic development	• **Weaknesses** 1. Less flexibility in syllabus 2. Less domain based FDPs 3. Lack of interest in core research related work from faculty members as well as students 4. Less utilization of laboratory facilities for research work 5. Less participation of Faculty members and students in national and international programs 6. Less collaborative projects with industries and research organizations 7. Less participation of students in co-curricular activities in the form of Activity based learning
• **Opportunities** 1. To provide design-based thinking through project-based learning 2. To make students aware of latest developments in technologies 3. Improving research culture in the department 4. Become Centre of Excellence in UG, PG 5. More number of students motivated for higher studies and jobs in public sector 6. Increase alumni involvement in academic and placement activities to give peer learned experience and skill knowledge 7. Overall development of students in holistic manner	• **Challenges** 1. Attracting good quality intake 2. Acquiring skills needed by the industry as per current trends 3. Attracting consultancy projects and publishing papers in peer-reviewed journals 4. Continuous upgradation of the laboratories and other existing systems 5. The faculty faces the challenge of updating their knowledge to keep pace with the sharp young minds. 6. Students come from diverse academic, social and regional backgrounds. 7. Bridging the Academic gap and bringing

	them on a common platform is a challenge.

8. Plans of the institution for next year

1. Curricular Aspects of the Academic programs and suggest improvements (Criteria I – Curricular Aspects)
   - Design of curriculum for graded autonomy with focus on holistic student development
   - Focus on interdisciplinary courses
   - More bridge courses need to be conducted
2. Innovative processes adopted by the institution in Teaching, Learning and Evaluation (Criteria II – Teaching – Learning and Evaluation)
   - Learning through e-resources, self-learning and collaborative-learning
   - To strengthen TBL, PBL and ABL activities
   - Faculty members learning during FDPs can be integrated in lectures
   - Online assessment can be done in classroom and more practice session for FE students
3. Initiatives of IQAC in sensitizing/promoting Research climate in the Institution (Criteria III – Research, Innovation and Extension)
   - More focus on Research and development & real time problems.
   - Platform to publish technical/research papers.
   - Platform for participating in "ATAL ranking of Institutions on Innovation achievement" under MHRD
4. Increase in infrastructure facilities and library facilities as Learning Resources (Criteria IV – Infrastructure and Learning Resources)
   - Establishment of Centre of Excellence, enhance laboratory facilities, incubation centre and Innovation centre.
   - To make provision of extra reading rooms as an extension of library during exam period
5. Contribution of IQAC in enhancing awareness about Student Support services and its progression (Criteria V – Student Support and Progression)
   - To create better opportunities for placements and higher studies
   - Tu support smooth progression of students through counselling and mentoring
   - Participation outside college e.g. seminar, conferences etc
   - Conduct more projects under NSS and EWT which are for social relevance
6. Improvement strategies adopted by the Institution for Academic and Infrastructure developments (Criteria VI - Governance, Leadership and Management)
   - Apply for 2f and 12B required for UGC funding
   - Apply for autonomy to bring flexibility in the syllabus
7. Innovations introduced during this academic year which have created a positive impact on the functioning of the Institution (Criteria VII – Institutional Values and Best Practices)
   - To build a scheme for holistic student development
   - To strengthen faculty development programme through better industry connect
   - To strengthen society connect/outreach programme.

Name __Dr. Payel Saha_____

Signature of the Coordinator, IQAC

Name __Dr. B. K. Mishra_____

Signature of the Chairperson, IQAC

***

Annexure I: Academic Calendar 2017-18

Annexure II: Feedback by Stakeholders

Annexure III: Best Practices

Abbreviations:

BE	-	Bachelor's in Engineering
CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
CIVIL	-	Civil Engineering
CMPN	-	Computer Engineering
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
ETRX	-	Electronics Engineering
EXTC	-	Electronics & Telecommunication Engineering
FDP	-	Faculty Development Programme
FE	-	First Year Engineering
GATE	-	Graduate Aptitude Test
IT	-	Information Technology
MECH	-	Mechanical Engineering
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme

SE	-	Second Year Engineering
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TCET	-	Thakur College of Engineering & Technology
TE	-	Third Year Engineering
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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Annexure I Academic Calendar

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY
Shyamnarayan Thakur Marg, Thakur Village, Kandivali (East), Mumbai - 400 101.
Tel : 6730 8000 / 4108 / 4107
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Email : tcet@thakureducation.org
Website : www.tcetmumbai.in / www.thakureducation.org

Sr.No./Principal/ 84 / of 2017 27th June 2017

ACADEMIC CALENDAR FOR THE YEAR 2017-18 (SEM - III, V, VII) |STUDENT
(1st July 2017 – 31st December 2017- six months (Odd Semester) - TENTATIVE

Sr. No	Week No (No. of working days)	Week No (No. of instructional days)	Date	Day	Key Activities
			JULY 2017		
1.	Even semester break plan		1st July 2017	Saturday	Parent's Meeting
2.			3rd July 2017	Monday	Display of Time-Table (SOP as well as semester)
3.			3rd July – 7th July 2017	Mon-Fri	Conduct of Student Development Programme
4.	1st Week		10th July 2017	Monday	Commencement of Semester
5.	5.5 days	5 days	10th – 14th July 2017	Mon - Fri	Semester Orientation Program (SOP) week (Mandatory to attend for all SE & TE students) Day-1 to Day-3: SOP Day-4 to Day-5 : Subject pre-requisite inputs, Lab requirements-tools , software, hardware , inputs for conduct of experiment etc
6.			10th – 14th July 2017	Mon - Fri	SOP Week for BE students- Project Orientation Programme and Career Guidance Day-1 Title finalization of project Day-2 Proposal writing Day-3 Project finalization Day-4 Training, preparation of PPT, Literature Survey, methodology used and project orientation Day-5 Portfolio Building
7.			12th July 2017	Wednesday	Portfolio Building for SE & TE students
8.			13th -14th July 2017	Thu-Fri	Student record updation-(Faculty diary and Teacher Guardian)
9.	1st -2nd Week		10th -17th July 2017	Mon-Mon	BE project title finalization to be submitted to Principal's Office
10.	2nd Week		17th July 2017	Monday	Start of theory and practical as per timetable
11.			21st July 2017	Friday	**Students activity** SE-Subject presentation TE-Technology presentation BE-Idea presentation
12.	3rd Week		24th – 29th July 2017	Mon-Sat	T-Spark '17 – Indoor games / Intra Sports (after 5.30 p.m.)
13.	5.5 days	5 days	27th – 28th July 2017	Thu-Fri	2 seminars for students (technical). Any one day during the period up to 3 hrs.
14.			29th July 2017	Saturday	BE project proposal submission

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY
Kandivali (E), MUMBAI-101

AUGUST 2017					
15.	4th Week		4th – 5th August 2017	Fri-Sat	HACKATHON Competition
16.	5.5 days	5 days	5th August 2017	Saturday	Display of attendance up to July 2017
17.			5th August 2017	Saturday	Display of Analysis of syllabus coverage by Faculty - (I) and attainment of learning outcome
18.			5th August 2017	Saturday	Pre-placement Training for T.E. students (Every Saturday from 5th August 2017 onwards)
19.	5th Week		7th -8th August 2017	Mon-Tue	Issue of remedial assignment
20.	5.5 days	5 days	10th August 2017	Thursday	Submission of remedial assignment
21.			11th August 2017	Friday	**Assignment I as per syllabus**
22.			11th August 2017	Friday	**Tie and Saree day**
23.	6th Week		16th August 2017	Wednesday	Report submission of remedial work
24.	3.5 days	3 days	18th August 2017	Friday	Collection and correction of Assignment I
25.	4 days	4 days	21st -23rd August 2017	Mon-Wed	Term Test I based on first 50% syllabus (SE to BE)
26.			22nd -24th August 2017	Tue-Thu	Return of corrected assignment and discussion Return of corrected remedial assignment
27.			22nd -24th August 2017	Tue-Thu	BE project proposal submission and presentation (presentation on project days only)
28.	7th - 8th Week		25th – 29th August 2017	Fri-Tue	Break for mid term
29.	8th Week		30th August 2017	Wednesday	Students' 1st feedback
SEPTEMBER 2017					
30.	3 days	3 days	Showing Term Test I marks and discussion within 3 working days from the last paper. Display of consolidated marks within 7 working days from last paper		
31.			1st September 2017	Friday	Submission of hobby club proposal
32.	9th Week		5th September 2017	Tuesday	Display of attendance up to August 2017
33.	5 days	5 days	5th September 2017	Tuesday	Display of Analysis of syllabus coverage by Faculty - (II) and attainment of learning outcome
34.			5th September 2017	Tuesday	Teachers Day (Celebration from 3.30 p.m. to 5.30 p.m)
35.			6th – 7th September 2017	Wed-Thu	Issue of remedial assignment
36.			8th September 2017	Friday	Submission of remedial assignment
37.	10th Week		11th September 2017	Monday	**Assignment II as per syllabus**
38.	5.5 days	5 days	13th September 2017	Wednesday	Collection and correction of Assignment II
39.			14th September 2017	Thursday	Declaration of hobby club results
40.			15th September 2017	Friday	Report submission of remedial work
41.			15th September 2017	Friday	Local industrial visit
42.			15th -17th September 2017	Fri-Sun	**TCET MUN**
43.	11th Week		18th September 2017	Monday	Return of corrected assignment and discussion Return of corrected remedial assignment
44.	5 days	5 days	18th - 22nd September 2017	Mon-Fri	BE project progress report submission and presentation
45.			22nd September 2017	Friday	**Special Day**
46.	12th Week		27th - 29th September 2017	Wed-Fri	**Zephyr' 2017**
47.	5 days	5 days	29th September 2017	Friday	FE/SE/TE/BE project exhibition (last two periods)

			OCTOBER 2017		
48.	13th Week		5th October 2017	Thursday	Display of attendance up to September 2017
49.	4.5 days	4 days	5th October 2017	Thursday	Display of Analysis of syllabus coverage by Faculty – (III) and attainment of learning outcome
50.			6th October 2017	Friday	Issue of remedial assignment
51.			6th October 2017	Friday	**Traditional Day (celebration from 4.30 p.m. to 7.00 p.m.)**
52.			7th October 2017	Saturday	Parents meet with teacher guardian
53.	14th Week		9th October 2017	Monday	Submission of remedial assignment
54.			9th -11th October 2017	Mon-Wed	Term-Test-II (based on last 50% syllabus) (SE to BE)
55.	5 days	5 days	10th October 2017	Tuesday	**Assignment III as per syllabus**
56.			10th October 2017	Tuesday	Students' 2nd Feedback
57.			11th October 2017	Wednesday	Report submission of remedial work
58.			11th October 2017	Wednesday	Collection and correction of Assignment III
59.			11th October 2017	Wednesday	Return of corrected assignment and discussion Return of corrected remedial assignment
60.	15th Week		16th October 2017	Monday	Final synopsis as per the project -I requirement
61.	3 days	3 days	Showing Term Test II marks and discussion within 3 days from the last paper. Display of consolidated marks within 7 days from last paper		
62.			16th – 18th October 2017	Mon-Wed	Internal assessment test for failure students at department level as per their own time table
63.			17th October 2017	Tuesday	Doubt solving, practice session
64.			17th -18th October 2017	Tue-Wed	Term work submission
65.			21st October 2017	Saturday	Last instructional Day of the semester for S.E. to B.E.
66.			23rd Oct -3rd Nov.2017	Mon-Fri	***Practical /oral examination for SE to BE and submission of marksheet to Exam Cell**
67.			7th Nov-6th Dec 2017	Tue-Wed	*Vacation slot
	NOVEMBER & DECEMBER 2017				
68.			Preparation leave, Theory University Examination, vacation, training, internship		

Total no. of working days = 70.5, Total no. of instructional days = 67

*** Subjected to change as per UOM notification and also depends on completion of examinations**

Note:

1. Zensar Employability Skill Development Programme-I , Batch 2017 from 10th June 2017 to 7th July 2017 (9.00 a.m. to 5.00 p.m.) (Sat-Fri)
2. Infosys Campus Connect Foundation Programme 5.0 from 19th June – 1st July 2017(Mon-Sat)
3. STTP on Developing an R&D culture in educational institutes through Project Based Learning on 19th June-1st July 2017 (Mon-Sat)
4. Corporate Training for 2018 batch on project days for one division only
5. Corporate Training for 2019 batch on Fridays from 3.30 p.m. to 6.30 p.m. for one division only
6. Load adjustment of faculty members on Teachers Day celebration, 5th September 2017, Tuesday from 3.30 p.m. to 5.30 p.m. to be compensated on 8th September 2017, Friday from 3.30 p.m. to 5.30 p.m.
7. First Year Classes will commence tentatively from 1st August 2017.

(Dr.B.K.Mishra)
Principal

Copy to: Dean (Academic)/Dean (R & D)/ Dean (SSW)/HOD-EXTC / HOD-ETRX / HOD-IT /HOD-CMPN/ HOD-Mechanical/ I/c. HOD – Civil/ F.E.in-charge/ ME Coordinator-EXTC/IT/CMPN / Librarian / TPO / I/C. Examination/ Accounts / Office Executive (MAPS) | website

THAKUR TRUSTS
THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)
A - Block, Thakur Educational Complex,
Shyamnarayan Thakur Marg, Thakur Village,
Kandivali (East), Mumbai - 400 101.
Tel.: 6730 6100, 6715 7410
Fax : 2846 1880
Email : tcet@thakureducation.org
Website : www.tcetmumbai.in / www.thakureducation.org
tcet
• Computer Engineering • Electronics & Telecommunication Engineering • Information Technology (w.e.f. A.Y. 2015-16)
• Electronics Engineering (w.e.f. A.Y. 2017-18)
• Computer Engineering • Electronics & Telecommunication Engineering • Information Technology (w.e.f. 15-09-2015)
• Computer Engineering • Electronics & Telecommunication Engineering • Information Technology • Electronics Engineering (3 year w.e.f. 01-07-20 w
• "K" Grade for 3 years (w.e.f. 03-10-2015)

Sr.No./Principal/ 184 / of 2017

7th December 2017

ACADEMIC CALENDAR FOR THE YEAR 2017-18 (SEM –II,IV, VI & VIII) |Student (1st January 2018 –30th June 2018- six months (Even Semester) - TENTATIVE

Sr. No	Week No (No. of working days)	Week No (No. of instructional days)	Date	Day	Key Activities	Holidays
			JANUARY 2018			
1.	Even semester break plan		2nd January 2018	Tuesday	Display of Time-Table (SOP as well as semester)	
2.			3rd -14th January 2018	Wed-Sun	Industrial visit of all professional bodies	
3.			5th -6th January 2018	Fri-Sat	Job Fair 2018	
4.	1st Week		8th January 2018	Monday	Commencement of Semester	
5.	5	5	8th – 12th January 2018	Mon - Fri	Semester Orientation Program (SOP) week (Mandatory to attend for all FE to BE students) Day-1 to Day-3: SOP Day-4 to Day-5 : Subject pre-requisite inputs, Lab requirements-tools , software, hardware , inputs for conduct of experiment, Portfolio building etc	
6.			11th -12th January 2018	Thu-Fri	Student record updation- (Faculty diary and Teacher Guardian)	
	2nd Week					
7.	5.5	5	15th January 2018	Monday	Start of theory and practical as per timetable	
8.			19th January 2018	Friday	CR meeting with Principal	

received 8/12/17 received 8/12/17 received 8/12/17 8/12/17 8/12/17

	3rd Week					
9.	4	4	24th -25th January 2018	Wed-Thu	2 seminars for students (technical). Any one day during the period up to 3 hrs.	
10.			26th January 2018	Friday		Republic Day
	FEBRUARY 2018					
11.	4th Week		2nd February 2018	Friday	Hobby Club project presentation and selection	
12.			3rd February 2018	Saturday	Parents Meeting	
13.	5th Week		5th February 2018	Monday	Display of attendance up to January 2018	
14.	5	5	5th February 2018	Monday	Display of Analysis of syllabus coverage by Faculty - (I) and attainment of learning outcome	
15.			5th -9th February 2018	Mon-Fri	T-Spark '18 - Indoor games / Intra Sports (after 5.30 p.m.)	
16.			8th -9th February 2018	Thu-Fri	Issue of remedial assignment	
17.	6th Week		12th February 2018	Monday	Submission of remedial assignment	
18.	4.5	4	12th February 2018	Monday	**Assignment I as per syllabus**	
19.			13th February 2018	Tuesday		Mahashivratri
20.			15th February 2018	Thursday	Report submission of remedial work	
21.			16th February 2018	Friday	Rose Day	
22.			19th February 2018	Monday		Chhatrapati Shivaji Maharaj Jayanti
23.	7th Week		20th -22nd February 2018	Tue-Thu	Term Test I based on first 50% syllabus (FE to ME)	
24.			22nd February 2018	Thursday	Return of corrected assignment and discussion Return of corrected remedial assignment	
25.			22nd February 2018	Thursday	**2nd half non-instructional for preparation of MULTICON W 2018**	
26.			23rd -24th February 2018	Fri-Sat	MULTICON W 2018	
27.	8th Week		28th February 2018	Wednesday	Students 1st Feedback	
	MARCH 2018					
28.	4.5	4	Showing Term Test I marks and discussion within 3 working days from the last paper. Display of consolidated marks within 7 working days from last paper. CO/PO Mapping within 10 working days from last paper			
29.			2nd March 2018	Friday		Holi (second day)
30.	9th Week		5th March 2018	Monday	Display of attendance up to February 2018	

	5	4.5	5th March 2018	Monday	Display of Analysis of syllabus coverage by Faculty – (I) and attainment of learning outcome	
32.			5th March 2018	Monday	Submission of Class conduct & Lab conduct report	
33.			5th -9th March 2018	Mon-Fri	ENERTIA'18 (after 5.30 p.m.)	
34.			6th March 2018	Tuesday	Issue of remedial assignment	
35.			7th March 2018	Wednesday	**2nd half non-instructional for preparation of Sojourn 2018**	
36.			8th -10th March 2018	Thu-Sat	Sojourn'18 & BE farewell	
37.			12th March 2018	Monday	Submission of remedial assignment	
38.			12th March 2018	Monday	**Assignment II as per syllabus**	
39.			13th March 2018	Tuesday	Report submission of remedial work	
40.			16th March 2018	Friday	Collection and correction of Assignment II	
41.	**11th Week**		19th March 2018	Monday	Return of corrected assignment and discussion Return of corrected remedial assignment	
42.			23rd March 2018	Friday	CR meeting with Principal	
43.			29th March 2018	Thursday		Mahavir Jayanti
44.			30th March 2018	Friday		Good Friday
45.	**12th Week**		31st March 2018	Saturday	FE/SE/TE/BE project exhibition -3.30 p.m. to 5.30 p.m.	
46.	3.5 days	3 days	31st March 2018	Saturday	Parents Meet with Teacher Guardian	
			APRIL 2018			
47.	**13th Week**		2nd April 2018	Monday	**Assignment III as per syllabus**	
48.	5.5 days	5 days	5th April 2018	Thursday	Display of attendance up to March 2018	
49.			5th April 2018	Thursday	Display of Analysis of syllabus coverage by Faculty – (II) and attainment of learning outcome	
50.			5th April 2018	Thursday	Submission of Class conduct & Lab conduct report	
51.			6th April 2018	Friday	Collection and correction of Assignment III	
52.			6th April 2018	Friday	Issue of remedial assignment	
53.			6th April 2018	Friday	Students 2nd Feedback	
54.			6th April 2018	Friday	CR meeting with Principal	
55.	**14th -15th Week**		9th April 2018	Monday	Submission of remedial assignment	

	5 days	5 days	10th April 2018	Tuesday	Report submission of remedial work	
57.			9th -11th April 2018	Mon-Wed	Term-Test-II (based on last 50% syllabus) (FE to ME)	
58.			Showing Term Test II marks and discussion within 3 working days from the last paper. Display of consolidated marks within 7 working days from last paper. CO/PO Mapping within 10 working days from last paper			
59.			12th -20th Apr 2018	Thu-Fri	Doubt solving, Practice Session, crash course, mock preliminary exam	
60.			12th April 2018	Thursday	Student Validation	
61.			13th , 16th -17th April 2018	Fri, Mon-Tue	Internal assessment test for failure students at department level as per their own time table	
62.			13th April 2018	Friday	Mind's Eye	
63.			14th April 2018	Saturday		Dr.Babasaheb Ambedkar Jayanti
64.	15th Week		17th -18th April 2017	Tue-Wed	Course Survey, Exit Survey	
65.			18th -19th April 2017	Wed-Thu	Term Work Submission	
66.			21st April 2018	Saturday	Last instructional Day of the semester for S.E. to B.E.	
67.			23rd April 2018 to 2nd May 2018	Mon-Wed	***Practical /oral examination for FE to BE and submission of mark sheet to Exam Cell**	
68.			30th April 2018	Monday		Buddha Pournima
	MAY 2018					
69.			1st May 2018	Tuesday		Maharashtra Din
70.			5th May 2018		*Vacation Slot	
	MAY & JUNE 2018					
71.		Preparation leave, Theory University Examination, vacation, training, internship				

Total no. of working days = 74, Total no. of instructional days = 67

*** Subjected to change as per UOM notification and also depends on completion of examinations**

Note:

1. NSS Residential Camp is scheduled during 28th December 2017 to 3rd January 2018
2. Pre-Placement Training (2019 Batch) will be conducted on all Saturdays during the Semester excluding International Conference (MULTICON -W 18) & Sojourn Week
3. Corporate Training will be conducted on Saturdays only one division of TE (2019 batch)
4. Degree Certificate Distribution Ceremony (DCDC) -28th February 2018 (tentatively) subject to receipt of degree certificate from university and finalization of Chief Guest
5. One day IPR workshop can be conducted on working Saturday
6. Club test can be planned on working Saturday after completion of each module

(Dr.B.K.Mishra)
Principal

Copy to: Dean (Academic)/Dean (R & D)/ Dean (SSW)/HOD-EXTC / HOD-ETRX / HOD-IT /HOD-CMPN/ HOD-Mechanical/ HOD – Civil/ F.E.In-charge/ ME Coordinator-EXTC/IT/CMPN / Librarian / TPO / I/C. Examination/ Accounts / Office Executive (MAPS)

Annexure II Feedback from stakeholders

TRUSTS

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

Tel.: 6700 0000 / 8000 / 8107
Fax: 2890 3950
Email: [illegible]
Website: [illegible]

tcet

2(1) – ALUMNI

Sr.No.: TCET/T&P/REP09 of 2018 January 29, 2018

Report on

7th Alumni Meet held on 23rd December, 2017

- **Event Details:** Alumni Meet 2017 was conducted by TCET on 23rd December, 2017 for Alumni students of TCET.
- **Participants:** Principal, Deans, TPO, Faculty Members, Staff, Alumni and Students
- **Objectives:** Alumni Meet was organized to assemble former students under one roof and to increase the members in Alumni Association of TCET with a keen vision to further help students and the institute for augmentation of name, fame and growth of the institute.
- **Staff Involved:**
  1. Dr. B. K. Mishra – Principal
  2. Dr. Lochan Jolly-Dean (SSW)
  3. Mr. Zahir Aalam - TPO
  4. Mr. Vikas Singh- Alumni In charge
  5. Organizing Core Committee as follows:

Sr. No.	Name of Faculty	Name of Staff Member	Venue/ Committee	Responsibilities
1	Ms. Rupali Mane (EXTC) Mr. Vikas Singh (CMPN) Mr. NamdeoBadhe (IT) Mr. Amol Dapkekar(H&S)	Ms Sneha Chaudhari Ms Rutuja A. Mr Rajesh Singh (T&P)	Overall Coordinators	1) To coordinate with other committee members for smooth conduction of program 2) In case of absence of any committee members, need to make alternate arrangements or ready to work as committee member. 3) Timely reporting to TPO & Principal about the activities. 4) Sending mail to alumni from 2005-2017. 5) Taking online registration for Alumni. 6) Phone calling for reminder and re conformation. 7) Sending invitation and schedule to all the registered alumni. 8) Printing of banners. 9) To look after all the venue and providing necessary support to the committees
2	Mr. Namdeo Badhe (IT) Coordinator Ms. Nivant Kamble (H & S) Ms.Jyoti Vanawe (H &S) Dr. Pooja Mahadik (H&S) Mr.Tulshiram Kundale (H&S)	Mr. Mukesh Singh (H&S)	Auditorium & Venue Arrangement	1) To do the necessary arrangements during stage preparation. 2) To be present near stage during the program. 3) Compilation of attendance and feedback need to be done by technical staff. 4) Any other related work.
3	Ms. Sonal Barvey(ETRX) Coordinator Mr. Deepak Shete (EXTC) Ms. Leena Chakraborty (ETRX) Mr. Sandip Bankar (IT) Ms.Swati Abhang (IT)	Ms. Jinal Rathore (EXTC)	Registration committee	1) To be available at the registration desk 2) Make list of participants and collect visiting cards from guests. 3) Reporting to overall coordinators on timely basis.

VENUS COLLEGE OF ENGINEERING & TECHNOLOGY
Kasarvadavali (E),
MUMBAI-183

Sr. No.	Name of Faculty	Name of Staff Member	Venue/ Committee	Responsibilities
	Mrs. Prachi Dalvi(CMPN)			
4	Mr. Amol Dapkekar(H&S) Coordinator Mr. Bhima Kunte (H&S) Ms. Vidyadhari Singh (CMPN)	----------	Anchoring	Host of the event.
5	Mr. Aditya Desai (IT) Coordinator Mr.Vaibhav Gudi (MECH) Ms. Anvita Birje (EXTC) Mr.Nitin Harne (CMPN)	Mr Rajesh Singh(T&P) Mr. Gautam Jha (CMPN)	Food Committee	1) Venue :- Near Canteen 2) Check venue cleanliness 3) Make arrangements for three course dinner etc. 4) Reporting to overall coordinators on timely basis.
6	Mr. Darshan Mali(CIVIL) Cordinator Ms. Anupriya Babbar (CMPN) Mr. Pritesh Bhana (CIVIL)	Mr. Mahendra Vishwakarma (IT)	Welcome Committee	1) To receive guests from ground floor and guide them to registration. 2) Also guide Alumni for any requirements during the program 3) Reporting to overall coordinators on timely basis.
7	Mr. Pankaj Rawool (MECH) Coordinator Mr. Jitendra Kachare (CIVIL) Mr. Simran Senapati (CIVIL) Mr. Jason Dmello (MECH)	Mr A.K.Bisaria Mr. Gautam Mhatre (MECH) Ms.Sarita Tiwari (ETRX)	Feedback Committee and Memento Distribution	1) To work in coherence with registration committee. 2) Take Feedback after program from Alumni 3) Compilation of attendance and feedback need to be done by technical staff. 4) Giving Momento to Alumni 5) Reporting to overall coordinators on timely basis.
8		Ms. Meghna Singh Mr. Ajay Singh	Admin Office and T&P Cell	1) To assign duties to peon. 2) Program will start by 6:30 p.m. 3) To check the status of peons and make the necessary arrangements in case of absence. 4) To take care of all the venues 5) Informing watchman at Gate-5 for Alumni Parking 6) To do the necessary logistics 7) To make the necessary arrangement in case if any staff is absent
9		Mr. Ashok Singh Mr. Ramlal	Admin Office	1) To provide electric point and connection to the decorator and DJ 2) To make necessary arrangement wrt to electricity
10	Mr. Rajesh Singh(CMPN) Coordinator Mr. Yash Shah (CMPN) Mr.Sridhar Kamble (IT) Mr. Mahendre Shelar (MECH) Mr.Bharat Shinde (Civil) Mr.Vikrant Bhatia(H & S)	Mr. Ajay Vishwkarma (CIVIL)	Discipline Committee	1) Assuring discipline in the campus 2) Reporting any act of indiscipline to T&P

➢ **Plan:**

1. To start with, a meeting was conducted by Dean Student & Staff Welfare, Dr. Lochan Jolly on November 7, 2017 to discuss about the conduct of alumni meet on either 23rd December 2017 or 30th December , 2017. The overall responsibility of conducting the programme was given to Training and Placement Officer, Mr. Zahir Aalam and Alumni In charge, Mr. Vikas Singh.
2. It was requested to and taken approval from Principal to conduct 7th Alumni Meet–2017
3. For publicity of the programme, social networking sites like Facebook, WhatsApp were used and Emails were sent to the students from 11 November 2017.
4. Alumni students, who have registered through online forms, were called on phone to take the final consent for attending the programme. This was done by the Students Council-TCET team from 16th to 22nd December 2017.
5. Meeting with Alumni Association members was conducted on 16th December 2017 which provided various inputs in preparing brochure and presentation. This meeting has also given direction to Alumni Association for conduct of different activities in the future Alumni Meets.
6. Bulk messages and mails were sent to all Alumni from 21st to 23rd December 2017 by Mr. Vikas Singh and Students council- TCET.
7. The meeting was called on 21st December 2017 by Mr. Vikas Singh, Mrs. Rupali Mane and Mr. Amol Dapekekar to inform the faculty and staff members about the responsibilities of conducting Alumni Meet and update about the 'on day' program schedule.

➢ **Do:**

➢ **Attendees:**

The number of alumni students registered for 7th Alumni Meet was 350 and the actual attended is 181.

Sr. No.	Attendees	Count
1	Registered Alumni present	181
2	Number of Unregistered Alumni	0
3	Number of faculty & staff members	90
4	Students Council and participating students	60
Total		331

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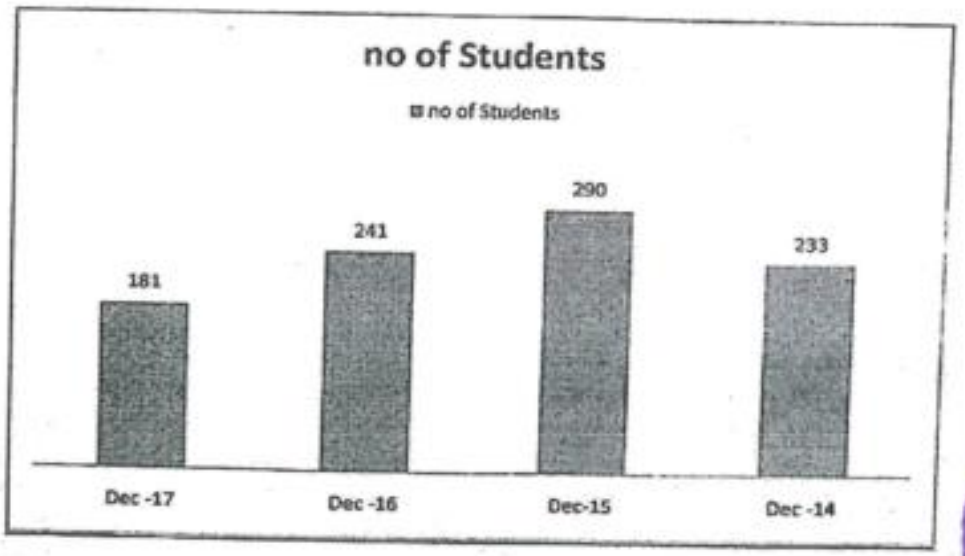
THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY

➢ **Year wise Chart, Detailing the Batch Wise Number of Alumni Present in the Meet**

Sr. No.	Batch	Number of students present			
		Dec 2017	Dec 2016	Dec 2015	Dec 2014
1	2005	NIL	NIL	NIL	NIL
2	2006	1	3	NIL	2
3	2007	1	5	1	11
4	2008	NIL	4	13	5
5	2009	NIL	NIL	08	6
6	2010	NIL	2	01	8
7	2011	14	20	35	24
8	2012	2	8	16	18
9	2013	10	5	20	50
10	2014	17	12	66	109
11	2015	36	32	115	Not Applicable
12	2016	29	130	Not Applicable	Not Applicable
13	2017	62	Not Applicable	Not Applicable	Not Applicable
14	ME	10	15	--	--
15	Un registered		20	Nil	NIL
Total		**181**	**241**	**290**	**233**
Average no. of students		**4500**	**4000**	**3480**	**3120**
Percentage		**4.02%**	**6.02%**	**8.33%**	**7.46%**



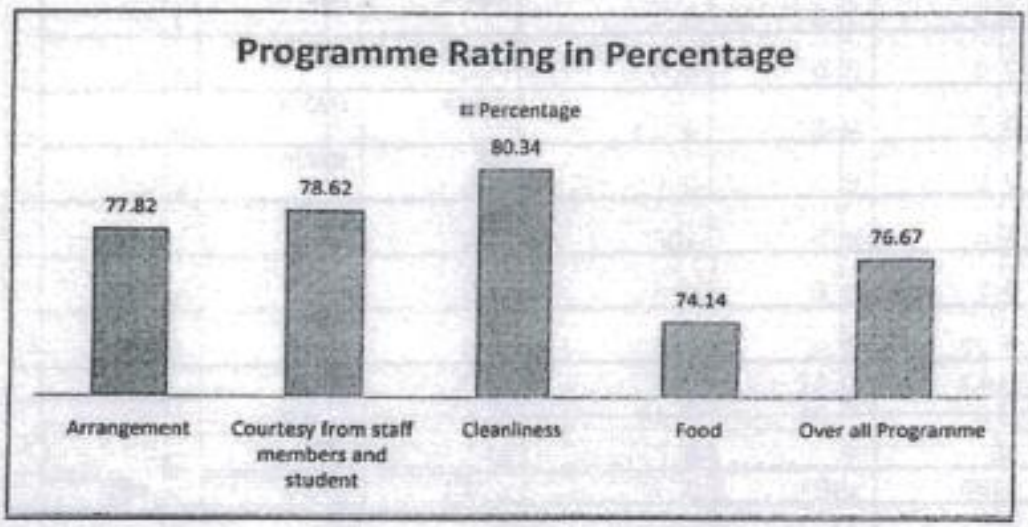
Year	CMPN	IT	EXTC	ETRX	MECH	Total
2005	0	0	0	NA	NA	0
2006	0	1	0	NA	NA	1
2007	0	1	0	NA	NA	1
2008	0	0	0	NA	NA	0
2009	0	0	0	NA	NA	0
2010	0	0	0	NA	NA	0
2011	1	3	10	NA	NA	14
2012	0	2	0	0	NA	2
2013	3	3	2	2	NA	10
2014	7	5	3	2	NA	17
2015	20	4	6	6	NA	36
2016	11	11	2	3	2	29
2017	8	21	18	5	10	62
ME All						10
Total	50	51	41	18	12	182

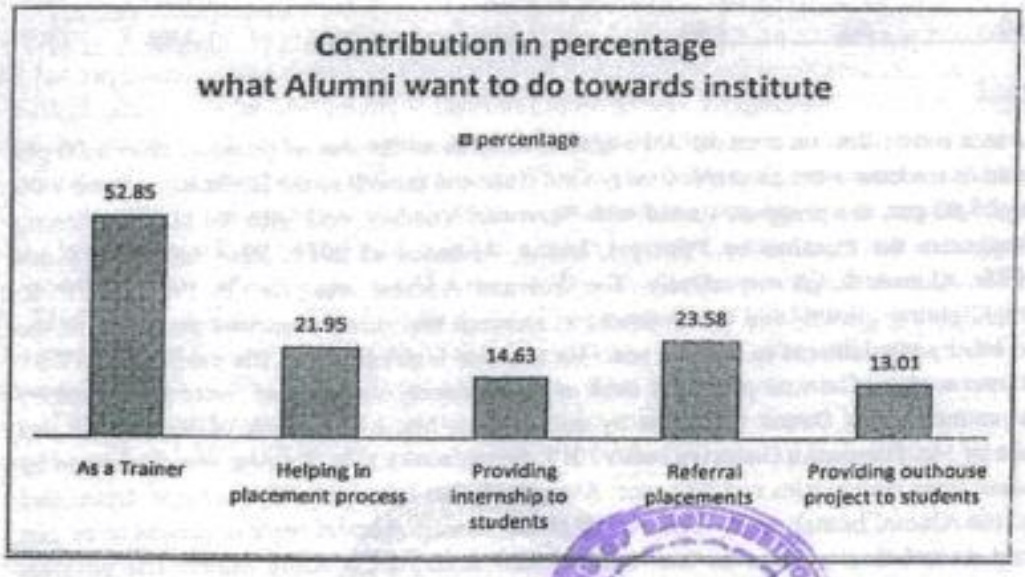
➢ **Description:**

Alumni registrations were taken on a prescribed registration form on the day of program from 6:00 pm onwards. The alumni students were assembled on ground floor and moved to auditorium at around 7:00 pm and at around 7.40 pm, the program started with Saraswati Vandana and with the lamp lightening ceremony to inaugurate the function by Principal, Deans, Alumnus of 2011, 2014 batch, Mr.Sirish Khuswaha and Mr. Alankar Singh respectively. The Welcome Address was given by Principal Dr. B. K. Mishra by highlighting growth and development in research and other academic programs of the institute as well other achievements in current year. He has also highlighted on the progress of TCET students in different sectors. Cultural programs such as group dance, singing, etc. were performed by TCET students' council. Solo Dance was done by an alumnus, Mr. Milan Tank of batch 2017 and singing was done by Mr. Himanshu Badoriya batch 2017. From faculty side, singing was performed by Mr. Ashwin Pathak from Humanities and Sciences. Along with that Principal, FE In charge, Deans and HOD welcomed the Alumni branch wise, followed by photo session. Alumni were requested to be part of TCET Alumni Association to have an active interaction among their Alma Mater. The program

ended with dinner and Public Address System and had fruitful open interactions amongst Alumni, Faculty members, Coordinators and students.

- **Check:**
- **Feedback Analysis:**





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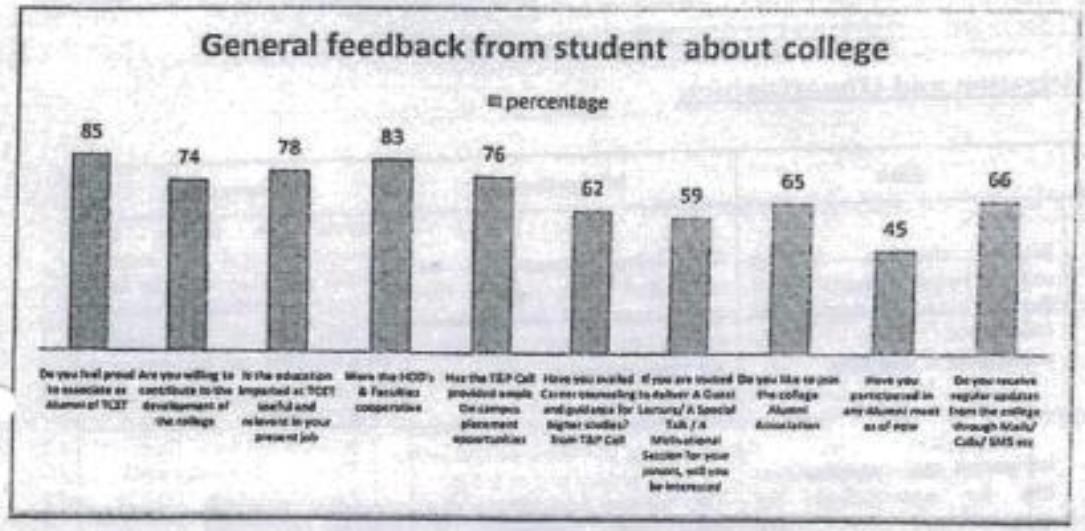
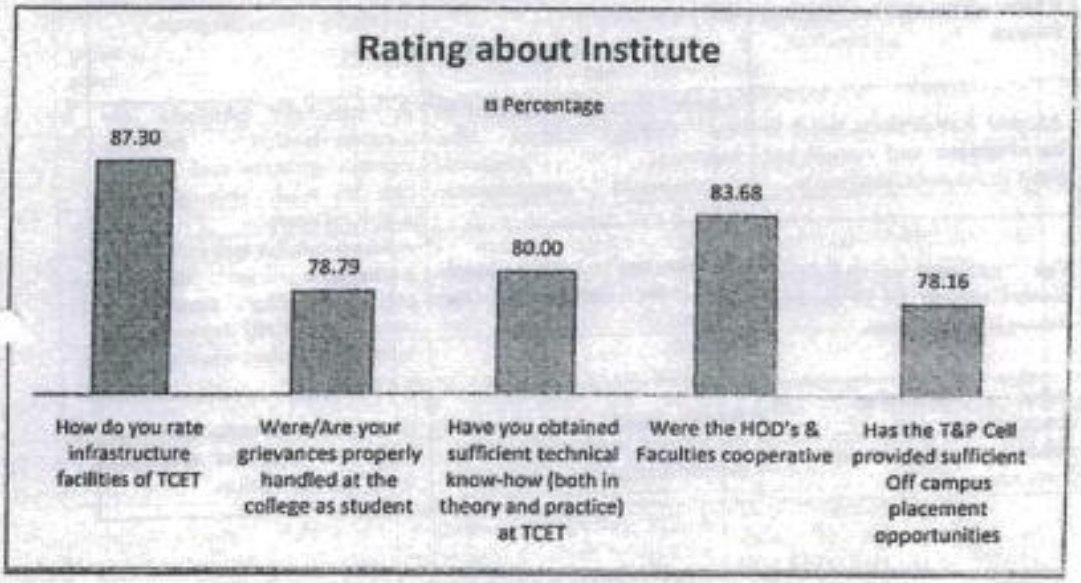
A - Block, Thakur Educational Complex, Shyamnarayan Thakur Marg, Thakur Village, Kandivali (East), Mumbai - 400 101

tcet





➢ Risk, Mitigation and Opportunities:

Sr. No.& Parameters	Risk	Mitigation	Opportunities
1. Schedule	Since, students staying outside India, generally visit during last week of December, so their participation was less.	The Alumni meet can be scheduled as per the convenience of the students during last week of December who resides out of India.	Alumni In charge has managed to get 181 alumni for the program with the help of T&P and Student council on the ground floor lobby. This number can be increased by consulting faculty and staff members.
2. Sustain ability	Industries and organizations can be approached for sponsorship. But sponsorship is invariable which depends on various factors.	The Alumni Association can work out strategies to increase the sponsorship before 6 months.	Regular quarterly meeting can be conducted for more participation, sponsorship and publicity of the program.
3. Alumni Interactions	Alumni interactions need to be increased and should not limit to Alumni Meet only.	Alumni should be involved in the college events like technical sessions, development programmes, etc.	A common platform for communication between current students and Alumni can be made through EDC and R&D cell.
4. Participatio n	For active participation, alumni should be in contact throughout the year.	Reunion can be planned batch wise for increasing the interaction between the Alumni.	Alumni can be encouraged to participate in institute activities like conducting sessions on their domains and other activities for present students.
5. Further Scope	After formation of association, lot of work related to external audit will increase.	Audits should be conducted on regular basis to formulate proper management of funds.	Formation of association will help us widen our scope of work in association.

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THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai
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Tel.: 6720 8000 / 6106 / 2207
Fax : 2846 1890
Email : tcet@thakurcollegeeducation.org
Website : www.tcetmumbai.in • www.thakurcollegeeducation.org
tcet

- **Programme differentiator w.r.t. Previous Alumni Meets**
  1. Alumni Association was formed before the meet.
  2. Branch wise felicitation of pass out students from all the batches were done for the first time. The photo session was done on stage with Principal, FE in charge, mentor, Deans and branch HOD.
  3. Alumni shared their experiences about TCET and outside world during the batch wise alumni felicitation on stage.
  4. Our alumni, Milan tank and Himanshu Badoriya have participated in dance performance and singing respectively on stage.
  5. Faculty member like Mr. Ashwin Pathak from H&S performed solo singing on stage.

Act:

- **Outcomes:**
  1. A common platform for alumni and faculty is provided by the institute to strengthen TCET Alumni interaction.
  2. Healthy interactions with faculty and staff helped getting inputs for further enhancing interaction among students and alumni.
  3. This is an opportunity for the institute to increase its outside visibility with its achievements and best practices.
  4. Total number of Alumni participants is 181.

- **Learning:**
  1. Through Alumni meet, we can provide an opportunity to current students to interact with alumni to know work culture in industry.
  2. Alumni participation can be taken for different developmental activities in the institute like SDP, pre-placement training and other programs which can lead to the development of the current students.
  3. Alumni can be involved in EDC and R&D activities with mutual benefits.
  4. Due to relocation and working timings of alumni there was a communication gap with the Alumni and majority of students could not turn up due to change in the schedule.
  5. Faculty turnaround was less due to vacation plan.

- **Scope for Improvement:**
  1. With changing trends and NBA requirement, such Meet can be scheduled at least twice in a year and committee members should meet on regular basis.
  2. Reunion can be plan for older batch to connect the older alumni and get their support in alumni association.
  3. Alumni Meet can be brought into the system through ISO & its implementation at department/ section levels with the opportunities for corrective & preventive actions.
  4. Continuous communication system needs to be developed to keep Alumni updated about the programme thereby increase in the number of participation from old batches.
  5. To increase participation of alumni, more senior faculty members shall be involved in the Alumni Committee.
  6. TCET has taken an initiative and formed the Alumni Association. With this, other activities can be conducted for students and society under college social responsibility. Sports activity can also be planned as per the alumni students' availability to increase interaction with college.

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

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Singh Singh Chandra Dhar's (Regd.)
THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY
(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)
A - Block, Thakur Educational Campus,
Shyamnarayan Thakur Marg, Shakur Village,
Kandivali (East), Mumbai - 400 101.
Tel : 6780 4500 / 8016 / 8107
Fax : 2845 1830
Email : [illegible]
Website : [illegible]
• Computer Engineering • Electronics & Telecommunication Engineering • Information Technology [illegible]
• Electronics Engineering [illegible]
• Computer Engineering • Electronics & Telecommunication Engineering • Information Technology [illegible]
• Computer Engineering • Electronics & Telecommunication Engineering • Information Technology • Electronics Engineering [illegible]
• "A" Grade for System [illegible]

➢ **Conclusion:**

Sr. No.	Session	Outcome
1	Inauguration	Principal's address gave highlights about the institute growth, achievements and its upcoming projects and activities.
2	Cultural Event	Cultural event made the programme live and entertaining, where Alumni and faculty members also participated adding colors to the event.
3	Felicitation of Alumni and interaction	Department wise welcome of Alumni was done by Principal, F.E In charge, Deans and HOD; which was followed by photo session and interaction with Alumni. Faculty members have actively participated in the program and interacted with alumni students. This provided a platform to Alumni to open their heart about college.
4	Feedback session	Alumni feedback shows the positive response from students. They want to be the part of institute's developmental activities.
5	Self-Sustainable	The program was made self sustainable by getting the sponsorship and formation of association which will make alumni association further independent.

Prepared by

29/1/18

Mr. Vikas Singh
Alumni In charge

Reviewed by

31/1/18

Mr. Amol Dapkekar
A.P. (H&S) & TPC

Checked by

31/1/18

Mr. Zahir Aalam
TPO

Seen by

Dr. Lochan Jolly
Dean SSW

Approved by

1/2/18

Dr. B. K. Mishra
Principal

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY
Kandivali (E), MUMBAI-101

Copy to:
All Deans
All HODs
All Sections In charges

2(ii) PARENTS

TCET
DEPARTMENT OF MECHANICAL ENGINEERING (MECH)
Credit Based Grading System (CBGS - 2012(R)]/Choice Based Credit and Grading Scheme (CBCGS - 2016(R)]
University of Mumbai

Feedback/Suggesstions received during Parent Teacher Meeting held on 6th October 2018

Sr.No.	Name of the Student	Year	Parent's /Guardian's Name	Profession	Address	Mobile no.	Email-ID	Commenda / Feedback	Suggestion for improvement (if any)
1	Aaditya Velankar	TE	Anagha Velankar		Goregaon	9969646559	anaghavelankar@yahoo.com	Nice Guidance	Not Mentioned
2	Aashish Pawar	TE	Ramesh Pawar		Sangam Welfare Society , Bhagat Singh Nagar , Goregaon	9833195647	rameshOlpawar@gmail.com	Good Co-operation	Not Mentioned
3	Vaidya Charan	BE	Ram Charan	Service	303, Saraswati , Chiku wadi , Borivali (W)	9833398399		Happy with college initiatives	Not Mentioned
4	Raj Desai	BE	Ghanshyam Desai	Service	C-101 , Creamline,Jairaj Nagar , Borivali (W)	9869540519		Good	Not Mentioned
5	Vishal Sinha	TE	S.K.Sinha	Service	Flat - 101,Mhada, Oshiwara, Andheri(W)	9930139254	sudesh.sinha@sbi.co.in	Not Mentioned	Not Mentioned
6	Prabhant Kurmi	BE	Jawaharlal Kurmi		Kandiwali (W)	9869127736		College is giving good facilities	Not Mentioned
7	Niharika Rane	SE	Minal Rane		304 Parshara , TIFR Housing Complex , Navy Nagar Colaba, Mumbai	9960964622	minalrane17@yahoo.co.in	Excellent Guidance	Not Mentioned
8	Akshat Sanghvi	SE	Manisha Sanghvi	Housewife	B 504 , Veerbhadra Residency , Umra ,Surat	9377914751	akshad72525@gmail.com		Not Mentioned
9	Amarjeet Pandit	SE	Yogendra Pandit	Private Ser	B/301 , Mauli Chaya CHS , Shirdi Nagar , Nallasopara	9819026655		Not Mentioned	Not Mentioned
10	Shubham Mishra	SE	Ajay Mishra	Business	1004,Saikrupa Housing , Old Nagardas road, andheri (E)	9819061522	shubhammishra09876@gmail.com		Not Mentioned
11	Sonali Pradhan	SE	Dr. Nisha Pradhan		302 Utkarsha Pandurang wadi Goregaon(E)	8446536922	drnishapradhan@gmail.com	Good Guidance	Not Mentioned
12	Saurabh Singh	SE	Mamata Singh		B/103 Bld No. 3 , Lakshmi Darshan , Nallasopara (E)		havefunwithsaurabh@gmail.com	Not Mentioned	Not Mentioned
13	Rutvik Tondwalkar	SE	Sushil Tondwalkar	Service	D-204 , Prithvi Premium Park , Agashi Road, Bolinj,Virar (W)	7666640266	sushiltondwalkar@gmail.com	Nice College	Not Mentioned

TCET

DEPARTMENT OF MECHANICAL ENGINEERING (MECH)

Credit Based Grading System (CBGS - 2012(R))/Choice Based Credit and Grading Scheme (CBCGS - 2016(R))
University of Mumbai

Feedback/Suggesstions received during Parent Teacher Meeting held on 6th October 2018

Sr.No.	Name of the Student	Year	Parent's /Guardian's Name	Profession	Address	Mobile no.	Email-ID	Comments / Feedback	Suggestion for improvement (if any)
14	Rahul Gupta	TE	Nandlal Gupta		Lokmanya Nagar, Thane (W)	9892779128	swastikmedical@gmail.com	Not Mentioned	Not Mentioned
15	Niraj Chourasia	SE	Rameshkumar Chourasia	Buisness	Goregaon	Not Mentioned	Not Mentioned	Good Co-operation	Not Mentioned
16	Akash Patel	SE	Deepak Patel	Service	Boriwali (W)	Not Mentioned	Not Mentioned	Nice College	Not Mentioned
17	Dharmendra Jha	SE	Satyanarayan Jha	Service	Nallasopara	Not Mentioned	Not Mentioned	Not Mentioned	Not Mentioned
18	Yash Shah	TE	Rupesh Shah	Service	Not Mentioned	Not Mentioned	Not Mentioned	Good Work	Not Mentioned

Prepared & Compiled By:

Mr.Vinay Bhatkar /
Mr.Varad Deshpande
AP-MECH Dept.

Checked By:

Dr. Siddesh Siddappa
HOD-MECH Dept.

2(ii) PARENT'S FEEDBACK (SAMPLE COPY)

1-3

	Thakur College of Engineering & Technology	Doc. Ref. :- TCET/QMS/FF/03
	Forms and Formats Manual (FF) Part I Forms and Formats	Issue No. :- 03 Issue Date :- 10/11/2009

Section	Page	Title	Revision	Rev. Date
MP-07/05	Page 1 of 1	Parent's Feedback	A	10/11/2009

TCET/FRM/MP-07/05

Thakur College of Engineering & Technology

Parent's Feedback

Revision: A

Name of the student SONALI PARAG PRADHAN Semester III

Parent's /Guardian's name Dr. Nisha PRADHAN Profession

Address 302 'UTKARSHA' PANDURANG WADI ROAD 3
GOREGAON (E) MUMBAI — 63

Telephone 8446535 Fax 922 Email-ID dnisha pradhan@gmail.com

Comments / Feedback

Good Guidance
keep it up.

Suggestion for improvement (if any)

Date: 7/10/18

Signature of Parent

Remarks / Suggestion of Principal

HOD Nominated:

Date:

Signature of Principal

Proposed Completion Date:

Date:

Signature of HOD

Corrective / Preventive Action Register Sr.No.

Date:

Signature of Registrar

Remarks of HOD about completion of action

Actual Completion Date:

Date:

Signature of HOD

Verification

Date:

Signature of MR

Date:

Signature of Registrar

Date:

Signature of Principal

Issued By: MR	Approved By: Principal

CORPORATE FEEDBACK

TCET

TCET/FRM/IP-06/09 Revision: A

Consolidation of Corporate Feedback about students (Student)

Sr. No.	Parameters	Average lavel of Satisfaction out of 10
1	Subject Knowledge	7.50
2	Practical use of Knowledge and skills	7.50
3	Knowledge sharing approach	7.70
4	In-time completion of assignments	8.13
5	Team spirit	8.03
6	Initiative	7.93
7	Eagerness to learn new things	7.67
8	Communication skills	7.90
9	Discipline and etiquette	7.90
10	Adoption of work culture	7.70
11	Commitment to allotted work	8.13
Overall average		7.83

(Mr. Rajesh Singh)
Jr.Clerk

(Dr. Zahir Aalam)
TPO

2 (iii) a) CORPORATE FEEDBACK ABOUT STUDENT

(Institute name and logo)

TCET/FRM/IP-06/09 Revision: A

Corporate Feedback (Student)

Name of the Organization: Endurance International Group.

Address: 5th Floor, Nesco I.T. Park, Goregaon (E).

Phone: Fax:

e-mail:

Name of the candidate: Tejas Pansamkar

Year of passing / Branch: 2017

Designation: Sr. WSS Appointed Since: June 2017.

Sr. No.	Parameters	Level of Satisfaction (Scale 4 To 10)	Remarks / Suggestions
1	Subject Knowledge	7	
2	Practical use of Knowledge and skills	8	
3	Knowledge sharing approach	8	
4	In-time completion of assignments	6	
5	Team spirit	9	
6	Initiative	8	
7	Eagerness to learn new things	9	
8	Communication skills	8	
9	Discipline and etiquette	9	
10	Adoption of work culture	8	
11	Commitment to allotted work	10	

Remark (if any): Perfect Candidate for the job. Completely satisfied with his work.

Name: NOMAAN J. PENWALA Designation: TEAM LEAD-TECHNICAL OPERATIONS

Date: 24/10/18 Signature Nomaan.

THAKUR TRUSTS

2(iii) b) CORPORATE FEEDBACK ABOUT INSTITUTE

TCET/FRM/IP-06/10

Revision: A

Corporate Feedback (Institute)

Name of the Organization: INFOSYS LTD

Name: SUBASH DHAR REDDY

Designation: Sr. DEAD - TALENT ACQUISITION

Phone No: 7000411826

Email-Id:

Sr. No.	Parameters	Excellent	Very Good	Good	Average	Below Average
1	Efficiency and convenience of the drive					
2	Hospitality	✓				
3	Infrastructure	✓				
4	Accessibility	✓				
5	Ambience	✓				
6	Cleanliness	✓				
7	Quality of food	✓				
8	Comparison of TCET with other Institutes visited		✓			
9	Overall delivery and conduct by TCET					
10	Overall organization for campus drive					

Suggestions for improvement :

1	Changes in Curriculum	The students should be made aware for the internships in their final semester.
2	Enhancing the competencies	
3	Life-long Learning of programme development	
4	Understanding of social responsibilities (if applicable)	
5	Any others	Should have confidence to clear questions.

Date: 10/8/18

Signature:

TCET

DEPARTMENT OF COMPUTER ENGINEERING (CMPN)

University of Mumbai

TCET/FRM/IP-02/35
Date: Apr 6, 2018

2(iv) a) STUDENTS FEEDBACK ABOUT FACULTY (CLASSWISE - SAMPLE COPY)

Revision A
Academic Year: 2017-2018

Students feedback about faculty (SE CMPN B)

Sr. No.	Particulars of feedback	Mr. Anand Khandare (OS)	Dr. Sheetal Rathi (CG)	Mr. Vikas Singh (AOA)	Mrs. Lydia Sugariya (OSTL)	Mrs. Jesal Joshi (AOA)	Mr. Shailesh Sangle (CG)	Ms. Deepali Joshi (COA)	Dr. Sandhya Maheshwari (AM-IV)
6.1	Depth of subject knowledge	7.9	8.1	7.7	7.5	8.3	9.2	8	8.2
6.2	Ability to explain & clarity of concepts	7.9	7.9	7.8	7.5	8.2	9.1	7.9	8.2
6.3	Punctuality and Regularity	8.3	8.2	7.6	7.7	8.3	9.2	8.1	8.3
6.4	Lecture Pace	8	8.1	7.5	7.6	8.2	9.1	8.1	8.2
6.5	Use of course material viz. course module, question bank,handouts during lecture/tutorial	7.9	7.9	7.6	7.6	8.1	8.9	7.9	8.1
6.6	Style of presentation, communication skills & innovative teaching methods	7.8	7.8	7.4	7.3	8.1	9	7.9	8.1
6.7	Ability to hold student's attention & command of class	8.1	7.8	7.5	7.3	8.1	8.9	7.8	7.8
6.8	Effective utilization of lecture/practical time for teaching	7.9	7.9	7.6	7.7	8.1	9	8	8.1
6.9	Ability to invoke participation & cultivation of learning habits	7.8	7.8	7.6	7.3	8	8.9	7.9	8
6.10	Syllabus Coverage	8	8.1	7.7	7.8	8.1	9	8	8
6.11	Faculty involvement with students a) Guidance for developing writing skill viz. experiments,assignments, examination paper, revision, question bank etc. b) involvement of teacher with students through projects/ student seminars / case material, knowledge sharing	8	8	7.7	7.6	8.1	8.9	7.9	8.1
6.12	Rapport with students, Counseling/ Guidance	8	8	7.9	7.5	8.2	8.9	8.1	8
	Total	95.6	95.6	91.9	90.1	97.9	108.2	95.6	97
	Percentage	79.6 %	79.7 %	76.5 %	75 %	81.5 %	90.1 %	79.7 %	80.9 %

Remarks: All faculty have achieved ISO quality objective.

Checked By	Verified By	Reviewed By	Recommended By	Approved By
Mrs. Shiwani Gupta	Dr.Sheetal Rathi	Dr. R.B.Sedamkar	Dr.Darshan Shah	Dr.B.K. Mishra
Deputy HOD CMPN	HOD CMPN	Dean Academic	Vice-Principal	Principal
	7/4/18			10/7/2018

2(iv) b) STUDENT'S FEEDBACK ABOUT INSTITUTE

TCET

DEPARTMENT OF COMPUTER ENGINEERING (CMPN)

University of Mumbai

TCET/FRM/MP-02/10

Revision A

Date: Apr 9, 2018

Students feedback about Institute: CMPN

Sr No.	Particular	Level of Satisfaction					
		SE CMPN A	SE CMPN B	TE CMPN A	TE CMPN B	BE CMPN A	BE CMPN B
1.00	Canteen						
1.10	Hygiene & Cleanliness	7.70	7.30	8.50	7.70	7.70	8.60
1.20	Menu Choices	7.80	7.40	8.30	7.80	8.10	8.30
1.30	Pricing	7.60	7.30	8.60	7.60	7.80	8.40
1.40	Service Quality	7.60	7.30	8.50	7.60	8.10	8.50
1.50	Timely Delivery	7.70	7.30	8.30	7.70	7.90	8.40
2.00	Classroom Condition						
2.10	Air Ventilation	7.60	7.80	8.10	7.60	8.10	8.20
2.20	Cleanliness	7.60	7.60	8.30	7.60	8.00	8.40
2.30	Condition of Furniture & Fittings	7.60	7.60	8.20	7.60	7.80	8.60
2.40	Lighting	7.80	7.60	8.30	7.80	8.00	8.50
3.00	Laboratories						
3.10	Behaviour of Staff	7.70	7.40	8.40	7.70	8.00	8.60
3.20	Computers Availability	7.60	7.70	8.40	7.60	8.00	8.70
3.30	Equipment Availability	7.40	7.80	8.40	7.40	7.90	8.50
3.40	Internet Connectivity	7.50	7.50	8.20	7.50	8.00	8.50
3.50	Overall Lab Maintenance	7.60	7.80	8.40	7.60	8.00	8.60
3.60	Software Availability	7.50	7.60	8.30	7.50	7.90	8.50
4.00	Library						
4.10	Availability of Books	7.50	7.70	8.30	7.50	7.80	8.70
4.20	Availability of journals/magazines	7.60	7.70	8.10	7.60	8.00	8.60
4.30	Availability of new versions	7.50	7.50	8.20	7.50	7.90	8.70
4.40	Behaviour of staff	7.70	7.50	7.80	7.70	7.80	8.50
4.50	Condition of books	7.50	7.50	8.30	7.50	7.80	8.70
4.60	Indexing and stacking	7.60	7.80	8.30	7.60	7.90	8.80
4.70	Reading room environment	7.50	7.80	8.30	7.50	7.60	8.60
5.00	Other Facilities/ Amenities						
5.10	Auditorium Availability	7.60	7.70	8.20	7.60	7.90	8.60
5.20	Cleanliness	7.80	8.00	8.30	7.80	7.90	8.80
5.30	Drinking Water	7.00	8.00	8.30	7.70	7.90	8.60

5.40	Games & Sports	7.70	7.70	8.30	7.70	8.10	8.60
5.50	Information Display	7.50	7.60	8.20	7.50	8.00	8.70
5.60	Maintenance	7.70	7.60	8.30	7.70	7.80	8.80
5.70	Response of Administrative Staff	7.70	7.80	8.30	7.70	7.40	8.60
5.80	Toilet Facilities	7.70	7.50	8.20	7.70	7.80	8.80
	Total	230.50	228.40	248.20	228.50	236.70	257.10
	Percentage	77.3%	76.1 %	82.7 %	76.2 %	78.9 %	85.7 %

Remarks: All classes have given institute feedback above 75%.

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Annexure – III Best Practices

Best Practice - 1

1. **Title of the Practice:**

   Holistic Student Development

2. **Goal**

   The objective of holistic student development encompasses not only gathering academic knowledge and skills, such as problem-solving and analysis but also other aspects of student as an individual who is growing emotionally and morally. It is an integrative approach of learning and development that emphasizes the connections and relationships between thinking, feeling and action. The aim is to inculcate interpersonal and intrapersonal skills along with cognitive skills which require seamless learning. This is brought into implementation through Activity Based Learning (ABL), under which various activities are conducted by preparing a calendar at department and institute level.

3. **The Context**

   The period of graduation spent in college is an important time for students to develop morally as an integral part of their psychosocial development. Experiences outside the classroom also have a notable impact on the moral and social development of students. The activity based learning, such as experiential education, learning through service, problem based learning and collaborative learning are all effective and it supports academic learning, as well as moral and civic engagement. In the past, stakeholders particularly the recruiters have shown concern about the overall personality and professionalism required for taking up client-side projects from day1 at the industry. To develop above skills, the university system doesn't have a scheme which offers measurable outcomes.

   Hence, to facilitate students' professional success, innovative practice towards holistic student development is initiated by all the departments for SE and TE students.

4. **The Practice**

   The practice of **holistic development through (ABL, TBL, PBL & Internship)** has been fruitfully deployed w.e.f. 11th July 2017, with different strategies for different category of students. The categorization of students is done at Department through validation process by segmenting students into High, Medium and Low. There are varieties of activities made available to students.

   For Low-profile students to improve their performance Tutorials and Practice sessions are conducted along with Remedial Assignments.

Medium profile students' Professional and Personality Development (PPD) is carried out through Professional Body Activities at Department Level and Institute level Activities (ILA).

The high-profile students are directed towards Programme Specific Research (PSR) in the area of their interest. Plan for the same is prepared in the beginning of semester. The execution is carried weekly on Fridays. The consent from students is taken in advance based on their interest, caliber and learning ability.

A. **ABL:** The institute offers learning through various activities (ABL) such as to enhance research ability, team work, communication, leadership and time management, moral and ethical development, etc. Through ABL, multiple platforms are provided to students in form of Domain Activities, Quizzes, Debates, Hackathon, Seminars and Workshops to make them industry ready.

B. **TBL:** To bridge the gap between curriculum and Industry expectation, we have introduced Technology Based Learning in the form of Basic bridge course (BBC), Industry bridge course (IBC) and Research Bridge Course (RBC). This provides a scope for self and lifelong learning. Students are encouraged towards self learning platforms to learn at their own pace in their area of interest. Anyone anywhere can learn from TCET-NPTEL local chapter, which provides certifications from IITs and IISCs. One can learn from experts at one's own pace to strengthen the foundation and improve employability. The students are undertaking a lot of courses online on Coursera, Udemy, Udacity and NPTEL. Students who are unable to learn through these mechanisms, their learning beyond is enhanced through bridge courses conducted by faculty.

C. **PBL:** Through Project Based students are encouraged to work on small projects based on curriculum .The students are benefitted by knowledge about advanced computing tools which in turn produce high quality, collaborative products.

D. **Internships:** Students of SE, TE and BE are encouraged to take up internships in various domains during term break .Institute provides support in getting internships out side campus as well as provision of in house internship is also created.

5. Evidence of Success

It is found that if students are motivated and provided platforms for their growth, they excel and become professionals in true sense which is supported by the achievements of the department in previous semester.

A. **ABL**: In A.Y 2017-18 various activities were conducted under the guidance of Actvity Heads (at Institute Level) and at department levels. The total no. of participation of students and the outcome is provided in the following graph.

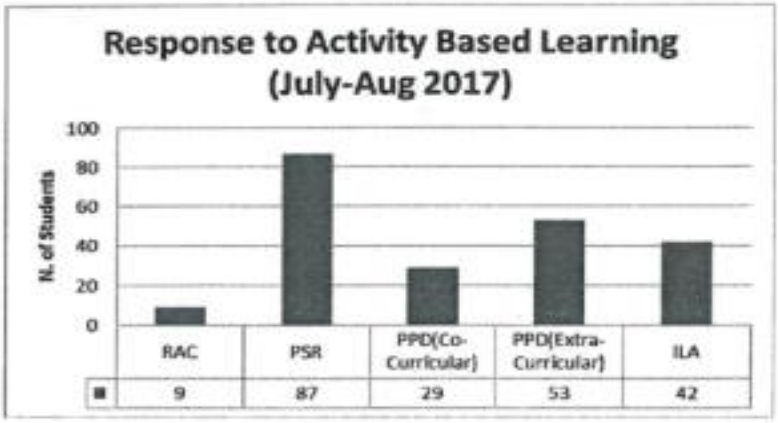

Fig 1 Student Enrollment for various activities

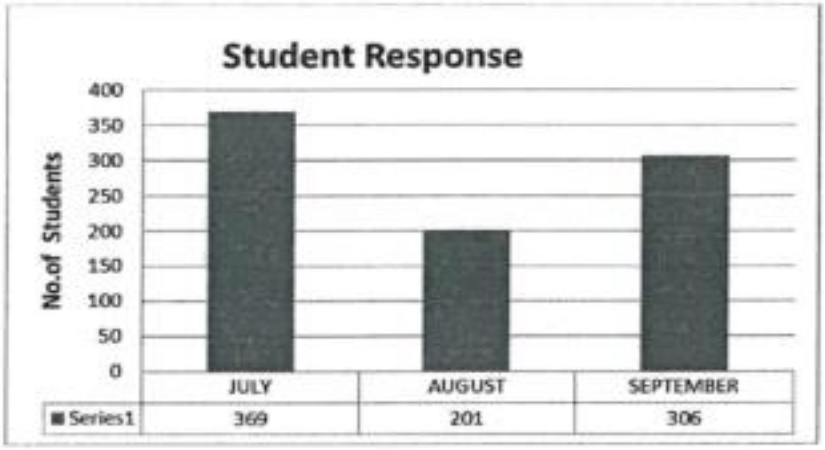

Fig 2 Student average monthly attendance

B.TBL: The details about various bridge courses organized in all departments for second, third and final year students are summarized below.

	Bridge course by college		
	SE	TE	BE
CMPN	2	2	2
IT	2	2	2
EXTC	2	2	1
ETRX	4	4	3
MECH	2	2	2
CIVIL	2	2	2

C.PBL: Project Based Learning (PBL) is carried out through mini/minor/major modes. Many of these projects are carried to the next level in next year or a different group of students. Students and faculty perceive to undertake projects solving industry problems, societal issues and Government of India laid problems.

6. Problems Encountered and Resources Required

There were some problems and challenges faced during implementation of this.

- In the beginning motivation in students was observed to be less as there was no visible benefit in terms of marks.
- Secondly the planning of these activities at institute level was bit critical so the attendance at institute level actives which was expected to be 10-15% of overall strength of the institute was not attained.
- The faculty faced challenges w.r.t. time management and efforts taken.
- There were cases where some of the students were equally interested multiple activities, but due to parallel activities they were not able to attend.

The activities mentioned here were all conducted in the institute as all the labs, class rooms and Seminar halls are well equipped with latest facilities. For conducting seminars and workshops resource persons from industry and other sources were invited with respect to activity.

7. Notes (Optional)

- The impact of this practice is that few students have become ambassadors for promoting the same activities in future.
- Faculty has perceived that if systematic planning is done, there is good response from students.
- The deployment requires further strengthening and support from stakeholders.

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Best Practice - 2

1. **Title of the Practice**

   Teacher Guardian scheme and portfolio building

2. **Goal**

   Teacher-Guardian scheme was introduced to facilitate the mentoring relationship between a teacher and a group of about 20+ students over four years to understand their problems, issues and also provide them support whenever required. The Teacher-Guardian interacts with the mentees to be aware of their needs and attend it .based on type of student, his/her needs the type of attention, help, advice, information and encouragement may vary. These records as well as the accomplishments of the students are maintained in the Teacher-Guardian Book. The complete portfolio of these students is available with concerned faculty.

3. **The Context**

   Mentorship in engineering education has the power to impact the course of students' academic and personal life trajectories. Human connection built on trust is the glue that binds students' academic and personal lives and helps them make sense of their futures. The Teacher guardians provide help, support, insight, feedback, and resources to the students during their journey in TCET. The milestones are recorded in the Teacher-Guardian Book. This information accumulated over this mentor-mentee relationship helps in guiding and encouraging the students' through all arenas of life. Earlier it was found that students were not much aware about the importance of Co/Extra Curricular Activities unless their LOR (Letter of Recommendation) demands. Hence to make students aware about importance of co and extra-curricular part Portfolio Building activity was initiated and implemented through the Teacher-Guardian.

4. **The Practice**

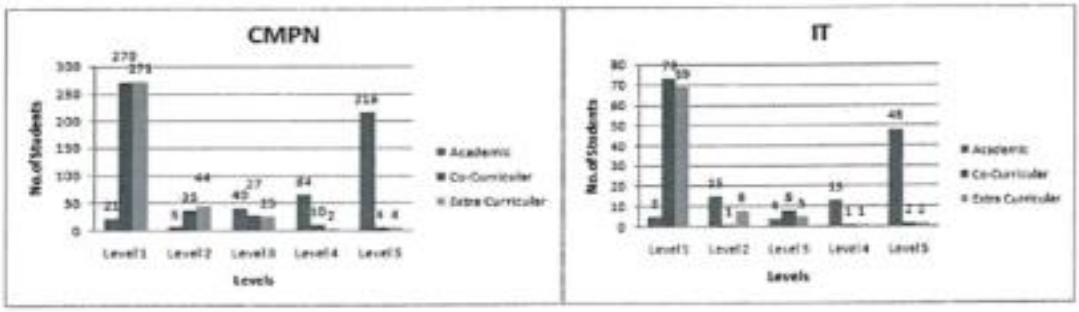
   The Teacher-Guardian needs to interact with the mentee group at least twice a semester for the following:

   - Finding out the students' problems – academic and personal. Motivate and direct students towards self-learning by making them aware and realize its importance.
   - Identify area of interest of the students and guide the students to prepare time-table for value added learning during counseling sessions.
   - Monitor students' activities and provide timely help and guidance that will assist the students to accurately assess their strengths, as well as recognize and act on areas for self-improvement.
   - Collect all the relevant information of students through Portfolio building. The students need to enter all the details regarding Academic, Co and Extracurricular activities in the portfolio portal.

- In the portfolio building activity, each activity has a fixed score and if student has participated in it score is added to attainment. Using score each student is segregated in five levels where level five is with highest score. Final Attainment has weight age of 60% academic, 20% co curricular and 20% Extracurricular. Report also generates opportunities for improvement which is a suggestion for student to increase score by participating in activities. The Teacher-Guardian collects the report of portfolio attainment with proof during the semester orientation week.

- Students' Mentoring process helps in tracking students' performance through teacher guardian book and build database for the institute. Information of student's participation in various events and activities can be found in one platform at any time. The portfolio building activity gave students insight of their level with respect to co and extracurricular activities. Students can introspect and identify their portfolio lacuna with respect to social, technical and industrial requirement which helps students plan next semester's activities.

- The process of portfolio building and it's data pertaining to two departments is given below. Total 1256 students filled online portfolio attainment. Students got to know their overall level and where they are lacking. Most of the students are in level 5 in academic.



5. Evidence of Success (200/229)

The portfolio attainment is improved because of suggested OFI. This process helps students to enhance LOR for their higher studies or to enhance the resume for placement opportunities. The sample data of few students is highlighted here .This table provides level of participation for these under different categories.

Table: Sample Student's records of 2019 batch

Sr. No	Name of the students	Class-Div-Roll no	No. of partici	Acade mic	Co-curricu	Extra curric	No. of particip	Acade mic	Co-curric	Extra curric	MNC name /

			pation		lar	ular	ation		ular	ular	HS universit y name
			Previous semester (Attainment / participation)				Next semester (Attainment / Participation)				
01	Sudhanshu Rai	BE-IT-A-71	1	5	1	1	6	5	4	3	L&T InfoTec h
02	Chiranjiv Kaul	BE-CMPN-A-46	2	4	3	1	5	4	3	2	TCS
03	Prachi Nagane	BE-CMPN-A-58	1	5	2	2	5	5	2	3	Oracle
04	Suraksha More	BE-CMPN-A-57	2	5	1	1	4	5	2	2	Infosys
05	Moeez Aziz Shaikh	BE-IT-A-77	3	4	1	1	4	5	2	3	Oracle
06	Siddhant Deshmukh	BE-IT-A-14	2	4	1	2	5	4	2	3	GRE-325
07	Bhoomi Gandhi	BE-IT-A-16	3	5	2	1	6	5	3	2	GRE-315
08	Saurav Singh	BE-IT-B-36	2	4	1	1	4	4	2	3	GRE - 324
09	Akshay Prabhu	BE-ETRX-33	9	5	4	5	12	5	5	5	Accent ure
10	Hari Khatavkar	BE-ETRX	4	4	2	3	8	5	4	3	GRE-315

6. Problems Encountered and Resources Required

The problems encountered in the teacher Guardian scheme are the lack of sufficient time required for interaction between the Mentor and the Mentees. During the working days, the students are busy in their academic activities in classroom and laboratories. So making provision for time is difficult. Also, some students are not vocal about their problems. They have inhibitions about talking about their personal problems. Regarding the portfolio building activity, students used to find difficulty submitting it in hardcopy. The task became easier with the introduction of the portal. Portal was centralized for all the departments. All the students were asked to register on portal and submit generated report to their Teacher Guardians in SOP Week.

To carry out this activity computer facilities in each department are availed. Also on line facility is provided so that students can fill their data from anywhere.

7. Notes (Optional)

Teacher Guardian book is updated with Students' participation in Activity based Learning (ABL). The portfolio report generates opportunities for improvement which helps Students' to set the targets and goals for extra and co curricular activities in next semester. Earlier there was no consolidated report for measuring of holistic development of students. As a result student's Letter of Recommendation is also effective in terms of Co/Extra Curricular activities.

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