



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
• Name of the Head of the institution	Dr. Sunil Vamanrao Anekar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	02328-2242012
• Alternate phone No.	02328 2242013
• Mobile No. (Principal)	+91 7798 885 025
• Registered e-mail ID (Principal)	principal@tkietwarana.ac.in
• Address	A/P: Warananagar, Kodoli,
• City/Town	Warananagar
• State/UT	Maharashtra
• Pin Code	416113
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	22/12/2020
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Prof. Subhash S. Patil				
• Phone No.	02328-2242012				
• Mobile No:	9423282658				
• IQAC e-mail ID	iqac@tkietwarana.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	http://www.tkietwarana.ac.in/naac/details.aspx?title=AQAR				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://tkietwarana.ac.in/academic/details.aspx?title=Academic%20Calendar				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.27	2016	05/11/2016	31/12/2025
6.Date of Establishment of IQAC			02/07/2013		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year			3		
• Were the minutes of IQAC meeting(s) and	Yes				

<p>compliance to the decisions taken uploaded on the institutional website?</p>	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	<p>No File Uploaded</p>
<p>10. Did IQAC receive funding from any funding agency to support its activities during the year?</p>	<p>No</p>
<ul style="list-style-type: none"> If yes, mention the amount 	
<p>11. Significant contributions made by IQAC during the current year (maximum five bullets)</p>	
<p>Providing the guidelines as per the AICTE module curriculum for the first year and second-year B.Tech engineering under autonomy status. IQAC has been monitoring the entire process of curriculum development</p>	
<p>Training program organized to faculty to create awareness about the implementation of good practices for the autonomous institution.</p>	
<p>Visits organized for HODs and deans to understand functions of the autonomous institute and quality checks to be followed to the adjoining good academic institutions.</p>	
<p>To implement Outcome Based Education (OBE) with new dimensions of autonomous, institute has organized FDP for faculty on designing PO-CO, it's mapping and calculation of attainment level</p>	
<p>Under online teaching mode, IQAC designed new performa for an online feedback to review the academic teaching-learning process of the individual subject.</p>	
<p>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</p>	
<p></p>	

Plan of Action	Achievements/Outcomes
Conduction of Soft skill, personality development program for students	Conducted by training and placement department for improving student skill set and help them for better employability
Conduction of feedback and academic audit department wise	Subject wise mid semester and end semester feedback have been conducted in each semester. SSI has been calculated and suggestions given to subject in-charge for improvement if any.
Department advised to conduct Hackthons, paper presentation context	All department conducted paper presentation context ,also Hackthons like
Department have advised to conduct industry related skill training	Each department have conducted add-on courses like PDMS, Stad Pro, ANSYS Angular J. S. Established centre of Excellence on AWS, Red-hat Academy, Cisco Academy, Palo Alto-cyber security center of Excellence
13. Was the AQAR placed before the statutory body?	No
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Nil	Nil
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
31/01/2020	31/01/2020

Extended Profile

1. Programme

1.1 Number of programmes offered during the year:	5
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File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 Total number of students during the year:	2615
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File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	666
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File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	2615
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File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 Number of courses in all programmes during the year:	9
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File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	134
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	130
Number of sanctioned posts for the year:	
4.Institution	
4.1	1272
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	40
Total number of Classrooms and Seminar halls	
4.3	520
Total number of computers on campus for academic purposes	
4.4	382.43
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum of all programmes are modified & developed according to Programme Educational Objectives and Programme Outcomes of autonomous institute which further tunes with mission & vision of institute. The process of design & developing course content & frame work is done with the help of feedbacks and meetings conducted with various stack holders such as students , parents , alumni , academicians industrial and Research & development experts which ensures the needs & relevance of local regional , national & global

organization.

The curriculum course content & frame work designed are recommended by Board of studies & approved in academic council of Autonomous Institute.

Local Developmental needs

There are several different programmes which activate students to analyse local need & provide their solution based on knowledge acquired during engineering.

We arrange competitions where students are often challenged with real time problems faced by nearby small scale industries. They come with relevant scientific solution even students get sponsored projects in final year engg. from local industries such as Sugar factory , Agricultural , Dairy etc.

Regional & National Development needs

In tune with regional & national development needs the institute has introduced several new courses in the area of Internet of things(IOT) ,Artificial Intelligence & Machine Learning (AI & ML) , Plant Design Management System (PDMS) softwares , Data science & cyber securities . In addition to this students are having the industrial & field visits to acquire practical experience & recent trends in engineering.

To acquire the entrepreneurial skills of students the institute initiates collaboration with All India Council for Technical Education (AICTE), IIC (Institute Innovation Council) NISP (National Innovation & Start up policy) Atal Ranking of Institutes on Innovations Achievements (ARIIA) & MCED (Maharashtra Cell for Entrepreneurship Development)

Global Development Needs

In tune with global developments needs the institute has introduced a range of Co-Curricular & extra curricular activities are aligned with overall developments of students which impact global development needs. Even we offer courses on renewable energy climate changes & environmental effects to sensitize the students about global health & pollution.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	http://tkietwarana.ac.in/dptelect/details.aspx?title=PO%27s%20and%20PEO%27s

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

5

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

32

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

16

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

5

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institute offers combination of relevant cross cutting issues in the courses of curriculum offered for different programs.

Some of these courses are mandatory for graduation requirement. Taking advantage of autonomy with available flexible credit system in which students of various programs can register courses under open elective. In TKIET students from different states of nation actively participates in core peer & group learning as well as extra curricular activities such as cultural , social N.S.S.(National Service Scheme) , N.C.C.(National Cadet Corps) including all ages , genders & different culture.

Following are some specific points that relates to above requirements.

Professional Ethics and Human Values

In institute under autonomy conducts induction programs on ethics & human values for all first year engg. students which includes all programs of the institute. In addition to this through training and

placement cell students are trained for bio ethics , corporate ethics , business ethics , media ethics & communication skills organized in collaboration with O2 breathing. Institute ensures managerial skills by introducing management courses & entrepreneurial workshops , Industrial visits etc.

As a part of social activity the institute provides technical as well as economical assistance to " Orphan Chaitanya Matimand School" and all other sister institute of warana complex.

Gender

Institute ensures to address the issue related to woman empowerment , equality in gender , child abuse & responsible living citizen of nation through rallies , street plays involving students from N.S.S. .(National Service Scheme)

Environment

Environmental studies is a mandatory course for all second year engg. undergraduate program. Apart from this in Civil Engg. specialized environment course is induced for study of environmental impact assessment , quality monitoring audit , green audit , water and energy conservation.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

5

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

205

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1527

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

C. Feedback collected and analysed

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

840

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

200

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Special programme for advanced learners

Advanced learners are motivated to undertake tasks beyond the syllabus and provided required orientation and coaching suiting their aspirations, for higher competitive examinations like IAS, GATE, GRE, etc. They are provided:

- Students are encouraged to take part and organize Inter-college technical festivals like Eureka (Paper Presentation Competition) and Jidnyasa (Project Competition) organized by

the institute,

- Special classes are conducted by Career Development Cell (CDC) to help them to succeed in national/ international level entrance examinations like GATE, CAT and GRE, CEMAT, etc.
- Arrangements are made to enable such students to undergo training during the summer/winter vacations in various industries, participate in national/international workshops and seminars.
- University rank holders are honored during the Annual Social Function with merit certificates and prizes.

Special programme for slow learners

Students, who are slow in grasping, are provided additional academic support through special classes. Some of the initiatives for them are:

- Remedial classes are arranged for slow learners.
- Question bank and university question papers with model answers are provided to these students which helps them to improve their performance in the university examinations.
- Special counseling is done by their teacher guardians.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	2615	134

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

TKIET always strives hard to make new pedagogical methods, such as

experimental learning, participative learning, and problem-solving methodologies integral part of the Curriculum.

For experimental learning majority of courses are associated with lab courses where students are expected to perform experiments and analyze experimental data. Wherever possible faculty and students are encouraged to use virtual labs. Mandatory mini-projects T.Y. students to promote experimental learning. F.Y. students are expected to participate in project-based learning where they get an opportunity to learn by doing.

Participative learning - participative learning is promoted through techniques such as flipping the classroom and think pair share, group discussion, etc. In blended learning technology, Faculty combines the additional method with the use of ICT tools like PPTs, online resources, pre-recorded content, etc. T.Y. students are expected to present a seminar on the topic of their choice which usually is not part of the syllabus. Institute students are encouraged to participate in NSS and NCC activities which inculcate social awareness and a habit of participative learning.

Problem-solving methodologies- Project-based learning methodology is implemented from F.Y. to Final Year where students work on real-life problems and propose feasible solutions. Annual industry problem solver event is organized where students are presented with industry problems and expected to come up with a solution.

Impacts- These student-centric methods helps in improving the efficiency of the teaching-learning method and enriches the student learning experience

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Due to the prevalent pandemic situation throughout the academic year 2020-21, TKIET teachers had to adapt to online teaching-learning. Accordingly, teachers were trained for new pedagogical methods involving the use of the ICT-enabled tools, the development of e-content, and the use of e-resources. TKIET encouraged its teachers to participate in FDPs and refresher programs. In addition to this,

the teachers are provided with the following multimedia teaching aids:

- Number of LCD projectors: 35
- Number of writing pads:06
- Number of document cameras: 06

To share e-content and assignments with students, Learning Management System such as MOODLE and Google Classroom was used. To communicate important information such as circulars and notices with students and parents technologies such as SMS packs, e-mail, institute portal were used effectively.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://tkietwarana.ac.in/details.aspx?title=Webinar%20Series%202020
Upload any additional information	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

134

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic calendar: Before the commencement of the academic year, Academic Committee prepares the academic calendar which is finalized after the approval of the Principal. It is printed and displayed on the notice boards and college website. The calendar, made available to the students before the commencement of classwork, includes:

- First and last day of instruction, schedules of ISE and ESE exams, total instructional days in a given semester.
- The academic calendar strictly adheres. However, in case of

any unexpected situations, necessary change is made and the same is displayed in notice boards and websites.

Teaching Plan:

HOD's and AC's conduct meetings with their respective faculty are well in advance of the commencement of the semester course work and allocate subjects. The concerned faculty for each subject prepares a detailed lesson plan of theory and laboratory courses. It gives the syllabus, lecture-wise content, experiments with plan date, and actual date of completion. The HOD's and AC's check the progress of each course and ensure timely and effective completion of a course in the specified time frame.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

134

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

20

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

134

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

02

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination Procedures and Assessment System:

The examination is conducted in two forms i.e. In semester Exam (ISE) and End Semester Exam (ESE). There are two ISE's in a semester for 30 Marks each, the average of the two ISEs Will be considered as

final marks. The ESE is conducted at the end of a semester which has a weightage of 70 marks. A make-up ISE is arranged before ESE for those students, who are unable to give either of ISE for some genuine reason.

- In-semester examination (ISE): In-semester examination (ISE) was conducted at the department level under the guidance of the Head of department/First-Year Chief coordinator. There were two In-semester tests in each semester for every theory course. Each test was of 30 marks and the duration of each test was an hour. The Total In-semester exam marks were calculated as the average of all In-semester exams conducted. When a student failed to score minimum marks i.e. 12, then he/she attended the Make-up examination. The makeup examination was conducted according to the rules mentioned in the examination Rules book of the institute. The questions were set to map the course outcomes.
- End semester Examination (ESE): At the end of each semester, examinations were conducted for all the courses. The questions covered the entire syllabus and they are mapped with the course and program outcomes. The evaluation of the examination was done by an external and internal examiner.
- Lab: Continuous evaluation was done for the laboratory and internal marks were awarded based on the internal lab examinations/practical orals (POE) for some courses.

Processes integrating IT:

The entire exam system uses advanced software for all its operations from entry to the exit of the student from the institute. Institute has procured software from Bynaric systems Ltd Pune which is capable of handling both ISE and ESE in any mode (Online or offline). All the work related to pre-examination, its conduct, and post-examination are efficiently handled by software

- All students had to register for their Regular and supplementary examinations through online mode only.
- Students could download their hall tickets through the exam portal online.
- Students and parents could see their results online and get notifications also.
- The digital valuation was implemented and the processing of results was also automated.

Continuous Internal Assessment (CIA)

Every student undergoes a continuous assessment of his /her performance in a semester. The attendance, submission of journals and assignments, test performance, etc. were effectively monitored. The college diary given to every faculty includes all the parameters of continuous assessment and are periodically checked by the academic coordinator and head of the department

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://tkietwarana.ac.in/exam/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The institution has defined PEOs consistent with the VISION and MISSION statements of the Institute. In the framework of this, POs, PSOs, and COS are defined with reference to graduate attributes. The members of the Board of Governors (BoG), Academic Council, Board of studies (BoS), and Department Advisory Board (DAB) contribute to the process of finalization of these statements. Once the approval is received from all statutory bodies, they are uploaded on the institution's website.

To make the awareness and realization of the depth of meaning of the institution's vision, missions in address developing into holistic professionals, PEOs, POs, and COS are communicated to all teachers, students, and major stakeholders.

The mechanism of communication is as follow,

1)At the commencement of the academic year, all department faculty prepare the teaching-learning plan by keeping in mind, the perspective of COs, POs, and PSOs of their program and courses.

2)Learning outcomes are publicized through

a. Publications - Syllabus books, Calendar, Records.

b. Display - HoD Cabine, Classrooms, Laboratories, Corridors, Website.

c. Question Paper contains POs - COs mapping

d. Public discourse and explanation - Inaugural sessions for First and second-year students, workshops, alumni meetings, parent felicitation meetings, etc.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	No File Uploaded
Link for additional Information	http://www.tkietwarana.ac.in/naac/details.aspx?title=CO%20PO%20of%20Different%20Programs

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

A well-defined process for attainment calculations of COs, POs in the institute is adopted. The process is described below

1. BOS, Course teachers define the COs and POs for all courses. Same time, CO - PO mapping has been done for courses. The approval for the same is taken from BOS and AC.
2. For the attainment, Calculations are done by different Direct and Indirect methods

Following Direct methods are used

1. ESE
2. ISE -I and II
3. MU Examination
4. POE
5. Seminar
6. PBL

These methods are assessed by conducting the theory examination, presentation, or using defined Rubrics. Different marks for these methods are allotted as per the importance of the method.

1. Course teachers decide the target for the attainment of COs. The data of the direct method is analyzed to compare the attainment target. The excel sheet/software is also used in this task. This attainment level is measured on the scale of Substantial -3, Moderate-2, and Lower -1.
2. After this, using COs- POs mapping the attainment of the POs are calculated based on the Direct methods.
3. For POs attainment, some indirect methods are also used such

as Employer, parent, alumni feedback, and students exit survey.

4. In the end, 80 % weightage is given to direct methods and 20 % is given to indirect methods to calculate final POs and PSO attainment.
5. This attainment calculation is further analyzed to find the curriculum gap for slow learners or to enrich the curriculum for the advanced learner.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

666

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<http://www.tkietwarana.ac.in/naac/details.aspx?title=Student%20Satisfaction%20Survey>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institute has drafted well thought and forward looking policy for promoting and inculcating the culture of research and consultancy. This policy is approved by the institute management. The faculty, students and other academic staff of the institute are encouraged to take on research as well as consultancy projects. This will assist in strengthening research profile of the institute. Further, faculty are provided with incentives for publishing research articles. Under academic autonomy, the institute has introduced Project Based Learning (PBL) since first year to promote the culture of research amongst the students. Students are encouraged to find academic or societal problems and subsequently find solutions for it. Institute provides resources to students required to complete the project. Chemical department of the institute hosts Ph.D. research centre approved by Shivaji University, Kolhapur. 02 research scholars are pursuing their doctorate degree. Four departments of the institute offer PG programs and hosts research laboratories where students are provided with infrastructure and facilities to work on their PG projects. Every year institute submits proposals for funded research projects to different funding agencies. Currently 1 MODROB project funded by AICTE, New Delhi is in progress.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

2

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

57.05

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

11

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

3

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Yes, Institute has created an ecosystem to for innovation and entrepreneurship by establishing Innovation and entrepreneurship development cell (IEDC), Institute innovation council (IIC) for promoting innovation and entrepreneurship activity. Even Institute formulate National Innovation and startup policy (NISIP) which inline All India council for technical education (AICTE) and Govt. of India initiative to promote entrepreneurship by providing technology,

research, Innovation and Industrial connectivity.

To inculcate innovation in student mindset under autonomy institute introduce Project Based Learning (PBL) to first year student. These projects are solution to real world a real world problem for better learning experience along with classroom teaching

To acquire the entrepreneurship skills in students institute collaborate with All India council for technical education (AICTE), Institute innovation council (IIC), National Innovation and startup policy (NISIP), ARIIA, Tata Centre IIT Mumbai, Million Mind, Maharashtra cell for entrepreneurship development (MCED).

We arrange Different session to boost entrepreneurial skills of student such as Entrepreneurship awareness camp (EAC), Business Idea Competitions, Expert session, MIC Driven Sessions ETC.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software C. Any 2 of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

4

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

18

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

1

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sciencedirect.com/science/article/pii/S221478532107125X

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

85

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

85

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.40

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1.40

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The institute management always inspires students and faculty participation in social activities and drives for adhering to ethical values.

Social activities like tree plantation, free distribution of Arsenicum album 30C, face-shield, face-mask, hand-sanitizer to the nearby villager and employee of our institute. 100 beds capacity Covid center was established in the institute premises. Faculty members and students visit the Warana Matimand Vidyalaya (School of handicapped) and help them by donating money. The institute management provides college playground (Shivneri) to neighboring

communities on weekends and allowing for hosting sports to Shivaji University and nearby institutions. Conduct the flag hoisting ceremony at Independence Day, Republic Day involving the NSS students, local government authorities and guests. Organize events like Eureka and Jidnyasa which bring students of various colleges and give them a platform to showcase and share their technical ideas.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

1

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

5

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

150

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

495

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

12

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The institute has adequate infrastructure & physical facilities and for the existing academic/administrative programs, co-curricular and extra-curricular activities.

To cope up with upcoming requirements the Institute creates necessary infrastructure systematically and continuously with a

futuristic vision of need and utility. Five major departments have well-furnished classrooms, equipped laboratories, language laboratory, Central Library, Departmental Library, five well-furnished seminar halls, conference halls, and a state-of-art auditorium. Institute has excellent IT infrastructure such as 710 Mbps bandwidth line and more than 650+ computers connected in the wired network. more than 12 TB+ e-learning resources in data centre. This entire ICT and IT infrastructure is managed by a dedicated SNS (System Network Support) department. The campus of the institute is spanned across 15 acres area, in which various recreational facilities such as the playground, indoor stadium, indoor swimming pool, Gymnasium, cafeteria, bank extension counter are available. Additional infrastructure will make available as per the curriculum and additional programs. There is no dearth of infrastructure and other facilities.

The institution has spacious, ambient classrooms with ICT facilities, well-equipped Seminar halls with an audio-visual facility. All departments have various laboratories with modern equipment and machinery supported by language, communication skill laboratory, and central computing facility. Institute provides facilities for e-learning, 24x7 hr. access to the Internet through Wi-Fi facilities, Digital Library having a large collection of e-books, and e-resources.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

All the students are encouraged and motivated to participate in sports activities as their extracurricular activities. The institution has an active Gymkhana department led by the dedicated physical director to take care of organizing, promoting various sports activities. The Gymkhana department proactively takes lead in organizing most of the sports tournaments at district, university, zone, Inter-Zonal, and state levels. Also, the gymkhana department promotes the students to participate in popular and reputed sports tournaments at various levels outside the campus. The Gymkhana department organizes Annual Sports Day for felicitation and awarding the meritorious students who have participated and won the prizes in

the team and individual sports tournaments at various places. In order to encourage the student's interest in cultural activities, the Institution provides all necessary required facilities. The institution has established the best practices for organizing cultural events by forming various committees that constitute representatives from students and faculty. These committees are Cultural Committee, Annual college Magazine "Horizon" committee, and "Marathi Sahitya

Mandal" Committee and Nature Club. In order to cater to the needs of cultural events, the institute has an adequate number of facilities.

- The Institute has a well-furnished indoor and open auditorium for all cultural events conducted for students as well as for staff.
- The cultural events organized annually are Annual Social Function, Traditional Day.
- The students having qualities in performing music art had established their own band named as "AKSHSTRA" - a student's orchestra.

Yoga Centre:

The institute has a Yoga and Meditation center where various yoga camps are organized. Many faculty and students take voluntary participation and organize such camps through trained yoga instructors.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

25

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

4.83

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- Name of the ILMS software: Techno Aarv (Purna Library Management Solution Version 2)
- Nature of automation (full or partial): Full
- Version: 2.0
- Year of automation: 2010

TKIET Library plays a pivotal role in enhancing the quality of the academic research environment in engineering education, TKIET library has a plethora of academic books, journals, magazines, rare books, and other knowledge resources. The library has dissertations, project reports on various subjects. Besides these, the Library is also equipped with the latest e-journals, newspapers, regional language books, etc.

The Library has been fully automated with Purna Library Management Application (Library Management System) since 2010, the current version of the software is 2.0 this software package is an integrated multi-user library management system that supports all in-house operations of the Library. The Purna Library Management Application consists of modules on Acquisition, Cataloguing, Circulation, Serial Control, Utilities, and OPAC. Retrospective

conversion of bibliographic records has been completed and more than 58,083 bibliographic records of books and 83 records of Print Journals are available in the library and can now be accessed through this library management software, OPAC. The database of books available in the Library is being updated on a day-to-day basis with details of recently acquired books. Records of all the Library patrons have also been created in the Library Management System.

OPAC (Online public access catalog) service is also provided where the users can search the collection of books by title, author, publisher ISBN, call number, accession number, etc. The books are being bar-coded and the users are given a unique barcode ID. Books are classified according to Dewey's decimal classification. The library has closed-circuit television (CCTV) surveillance Cameras.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: e- B. Any 3 of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

17.10

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

2988

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Tatyasaheb Kore Institute of Engineering and Technology (TKIET), Warananagar (Autonomous) is well equipped with ultra-modern IT infrastructure. It is readily accessible for the Teaching and Learning Process. The institute upgrades ICT enabled infrastructure periodically. The IT policy of the institute includes installation of legal/licensed software's, responsibility for timely maintenance.

Vision

To become an integral part of our stakeholder's success, collaborating with them to achieve their objectives

Mission

Our mission is to provide exceptional service by delivering high quality and secure IT systems and solutions that allow our stakeholders to effectively meet their aspirations.

Hardware infrastructure:

- Computers -520 Nos

- Servers - 10 Nos
- Data Centre - 1No
- Storage - 2 nos (36TB + 72TB)
- Projectors -52 nos
- Printer - 45 nos

Networking infrastructure:

- LAN (1000 nodes)
- Wi-Fi network 16 access points.
- Active and passive components for networking
- Core Switch
- Firewall Security System, internet applications

1) Bandwidth details: 500 Mbps Airtel Leased Line (1:1), 100 Mbps InDigital Broadband, 100Mbps SPN Broadband, 10 Mbps NKN BSNL Broadband

2) All centres computer information

All Departments having Their Computer centre well connected to central DAT Centre

From Minimum capacity of 25 maximums 200 Nodes

3) LAN Facility details

1000 nodes with 1000 Mbps LAN with 10Gbps OFC backbone

4) Wi-Fi details

100 Mbps Wi-Fi Hotspots in Varies Important Location, JIO-FI Wi-Fi Campus with 252 Wi-Fi Antenna in the entire campus

5) Firewall details

Unified Threat Management(UTM) XG next-generation firewall, Cyberoam CR 300 iNG & SOPHOS XG 330 with user-based authentications, Intrusion Prevention, VPN, content access, controlled bandwidth for 5000+ users

6) Security Features (Firewall/Antivirus/CCTVs)

Unified Threat Management(UTM) XG next-generation firewall, Cyberoam CR 300 iNG & SOPHOS XG 330 with user-based authentications, Intrusion Prevention, VPN, content access, controlled bandwidth for

5000+ users

Sophos Intercept X Endpoint Antivirus and Seqrite Antivirus Endpoint for Computer client

24/7 150 + CCTV Camera for monitoring for Computer Labs, passages & corridors of Important palaces.

7) Software Details (academic, examination, Server, Language base software)

1. We are using Office automation software CMS to automate all processes related to students & stakeholders. We are maintaining the academic lifecycle of every student

2. We are using Library Automation software for the accession of books web OPAC, Eklavya Mobile App.

3. We are having Oriell Language lab software of 25 Nodes for first-year Engineering Students

4 We are having Autonomous College Examination related process software in place

8) Use of Official Email Address for all communications

For the mail communication, the institute has provided an official email address to every faculty

(sample format email-id@tkietwarana.ac.in). This enterprise email solution is provided by Google with cloud storage. All communications are made through these official email ids.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2615	520

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: C. Any two of the above
Facilities available for e-content development
Media Centre
Audio-Visual Centre
Lecture Capturing System (LCS)
Mixing equipments and software for editing

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

1953.54

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

The following procedures are adopted for maintaining and utilizing various physical, academic, and support facilities.

- Classrooms and laboratories are allotted by Dean Academics
- Auditorium, Seminar Halls are booked and allocated with prior permissions of Principal, HoDs by the respective in-charges. Maintenance and cleanliness is mandatory post-event by the concerned department
- Maintenance-related complaints (infrastructure, lab equipment, computers, etc) are carefully monitored by the concerned maintenance team and their reports are logged appropriately
- Some departments have Annual Maintenance Contracts (AMC) with the companies/suppliers for repair and maintenance of key equipment
- The central library is equipped with recent technology with a touchscreen kiosk for library information display, dedicated reading rooms, high configuration computers with seamless Internet connectivity.
- The system and Network Support (SNS) team is responsible for the upkeep and maintenance of all IT infrastructure. SNS team includes Head, System Network administrator, technicians, respective lab assistants who are responsible for repair and maintenance
- Periodical maintenance of utilities like housekeeping, electrical units, lifts, air conditioners, sewage treatments are carried out and logs are maintained
- Institute had a dedicated sports department which is led by an experienced Physical Director, Assistant to Physical Director, departmental coordinators. Peons maintain and monitor the sports facilities.
- Checking of stock in the laboratories and classroom facilities is carried out on a regular basis
- Sanitization at regular intervals has been carried out in the laboratories.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2854

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

290

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	www.tkietwarana.ac.in
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1747

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

476

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

84

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

13

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

32

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Students Council is constituted, according to UGC and University guidelines, in the institute. The members of the student council involve in many administrative, academic, co-curricular, and extra-curricular activities under the guidance of one of the senior faculty members.

The student's representatives serve on the Departmental Advisory board, Board of Studies, Departmental Associations, IQAC, etc. Activities under the students association are completely organized by students. During the COVID-19 pandemic, most of these activities were conducted through online mode.

For inter-college cultural & sports activities the Cultural and Sports Secretary forms the teams and represents the institute. Students are also encouraged to be a part of the extension and outreach activities like NSS, Community Services as an Institute Social Responsibility. For each committee, a dedicated faculty coordinator guides and manages all the activities in these committees.

Various committees have been structured in the institute:

- 1) Internal Quality Assurance Cell (IQAC) Committee
- 2) Anti Ragging and Student Discipline Committee etc.
- 3) Library committee
- 4) Gymkhana Committee
- 5) Cultural Committee
- 6) Grievance Redressal Committee
- 7) Hostel and Health Care Committee
- 8) Women Empowerment Cell
- 9) Sexual Harassment Prevention committee
- 10) Innovation and Entrepreneurship Development Cell (IEDC) identifies
- 11) Career Development Cell (CDC) promotes and encourages higher education, competitive examinations.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

7

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The institution has a registered Alumni Association. The chapters of the association are formed in major cities like Kolhapur, Ratnagiri, Pune, Mumbai, Delhi, Chennai, and Hyderabad, Bangalore in India and abroad (List of Functional Chapters is attached).

Activities and contribution of Alumni Association

1. Chapter Formation: Organizing alumni meets centrally and chapter-wise.
2. Providing training to the students.
3. Assisting in placement activity and internship to students.
4. Providing help for needy alumni.
5. Major contribution from Alumni for institutional development: Alumni have helped the institute in the following ways like Donation of books to the library, donating licensed software, industrial training, placement assistance, and scholarship to needy and budding students.
6. Financial Support during Academic Year (2020 -2021) - Rs. 19, 21,122/ - (Rupees Nineteen Lakhs twenty-one thousand one hundred twenty-two only) for UG students scholarships and other medical assistance to students.
7. The Senior Alumni contributed during the COVID pandemic with Face Shield, Masks, Sanitizers, Floor Sanitizers for institute faculty

and students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year A. ₹ 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The empowered team of the college involves Principal, HOD, Deans, registrar, TPO, convener of different committees, IQAC committee, Teaching-staff, non-teaching and supporting staff, student's council, stakeholders, alumni and local management committee is dedicated to cater quality technical education. The principal monitors the mechanism regarding administration and academic process. It also ensures proper implementations of the policies, rules and action-plans of the college. There are many committees to support the vision and mission of the college. For example, cells like Examination cell, NSS, NCC, EC, CDC, TPO CC etc. The vision of institute is to become an academy of excellence in technical education and human resource development. This vision is being constantly achieved through activities like implementing quality teaching learning using modern tools, skilling students to become employable curriculum in tune with industry needs and inculcating attitudes in students for lifelong learning and ethics. To implement this a well structured empowered team of HODs, Dean. TQAC, TPO, CDC, student council, is involved in the academic and administrative decision meeting. There is well organized composition of AC, BOS, BOE, FC also exists with representatives from universities, Industries, Alumni's and students which actively participate in governance of institute so as to meet expectations as per institute vision, mission and quality policy. These are more than 30 different cells composed by staff and students those are also exposed to take

decision as per cells objectives.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The administrative powers and responsibilities are distributed and executed through the participative management of the Managing Committee, the administrative officer, the Principal, the deans, the Heads of the Departments, the Faculty members. Knowing the inclusive significance of decentralisation and participative management, the Principal heads the College Council that comprises all the deans, Heads of the Departments and Special Invitees.

The administrative and academic decentralization of powers in education promises to become efficient, better reflect on local priorities, encourages stockholders participation enhances learning outcomes and teaching quality.. Thus it makes institute practices transparent at all levels such as Management, administration, financial and Academic practices. The governing council is apex authority which monitor and implement rules regulations and to delegate the process to various bodies like AC, IQAC, BOS, BOE and FC for to look in to activities and smooth functioning. The academic and administrative body of TKIET practice a culture of participative management by involving faculty members, student alumni's, employees in various committees. To support and monitor co curricular and extracurricular activities of the students institute has more than 10 committees at department level as well as at institute levels. The committees composed of faculty students and external members who participate in effective implementation of these activities.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institute have a strategic plan as per a quality policy confirming to its Vision and Mission. In the preparation of strategic plan top management and IQAC is involved. Aspects like new courses, additional intake, infrastructural development, welfare schemes extra will be decided by top management. While IQAC decides quality check system to be followed - feedback, academic audits, accreditation. The quality improvement strategies for following aspects will also be decided along with its implementation plans

- Teaching learning
- Mode and conduct of examination
- R and D activities
- Industry e internships
- Human Resource Management
- Community engagement

Using TKIET library activity is one such a strategic plan activity which ensures the use library resources activities as per strategic plan

All the library books have coded and automated using PURNA- library-management applications. Apart from comprehensive collection of books the library also offers various vital services like

- Digital library
- e-books and journal services
- Free book banks in to all students
- Newspaper clipping services
- Best Raider award schemes
- Best reviewer award schemes
- Reference book services
- Plagiarism checking services
- INFLIBNET, NDIL and other nationally recognised library.
- Separate reading hall study room facility for boys and girls
- Old question paper Bank facility to students
- Separate departmental libraries as an immediate source of reference

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Tatyasaheb Kore Institute of Engineering and Technology has been established in 1983. It has a Governing body to monitor and achieving the vision and mission of the institution. It has an effective organizational structure which monitors and improves the institution. The organizational structure of the institution is given below.

Organizational Structure:

The institute is run by the trust SWVSM. The trust has constituted governing body for the institute consisting of members from AICTE, UGC, DTE and university. Principal heads the academic and administrative departments and acts as an interface between management staff and students. The governing body has approved TKIET handbook of rules regulations and responsibilities from academic year 2020-2021 which covers the rules and regulations for appointments, services rules and procedure for staff discipline, rules and responsibilities , campus code of conduct, general guidelines etc.

As per organizational structure power has been decentralised to Dean, HODs, COE (Control of Examiner), registrar etc. These officers execute the power for transparent smooth functioning of activities under following institutional bodies like Academic council, IQAC, BOS, COE etc.

The basic structure of organisational management is prepared as per the guidelines of UGC, AICTE, DTE and the university. The organisational functions and powers are also being governed as per the rules and regulations of Apex bodies.

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institute effectively implements various welfare schemes for its teaching and non-teaching staff regularly those are.

1. EPF
2. Group Insurance
3. Gratuity for the employees of the institution.
4. Safety shoes, aprons and uniforms for Non-teaching staff.
5. Concession in tuition fees for children's of employee.
6. Dividends' and Diwali gifts vouchers through credit society.

All the teaching and non teaching staff benefitted by above schemes.

Maternity leaves and study leaves extra for eligible staff.
Financial assistance for paper Publications, attending workshops and training programs by the industries. Scholarships for wards for the staff for securing highest marks. Standardized rent for staff

members staying in staff quarters. Women Empowerment Cell is established for creating venues for women members to flourish and gain momentum. In a nutshell, the Institution strives hard to keep our staff happy and healthy. Motivation through counselling is also available for staff members to create a healthy working environment. This not only increases the work life balance of the employee, it also helps us in increasing the productivity and allows our staff to work effectively with complete satisfaction. Skill development courses are organized for non-teaching staff to enhance their skills in work environment.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

45

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction

Programmes, Refresher Courses, Short-Term Course, etc.)

118

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

TKIET regularly conducts internal and external financial audits. It has a full-time Treasurer and Accounts Department since inception to ensure maintenance of annual accounts and audits.

Internal audit is voluntary appraisal activity undertaken to provide the assurance over effectiveness of internal controls, risk management and governance to facilitate the achievement of organisational objectives. Internal audit is covered our activities like

- Monitoring internal controls and proposing improvements
- To monitor the compliances of laws and regulations of trust
- Monitoring the instances of any wrong practice if any.
- Verifying necessary financial information Institute follows audit system regularly

in first phase trimonthly audit is done as internal audit. The auditors are appointed by governing body. The external audit is done once in a year. This external audit is done by a chartered accountant firm. The findings of internal audits will be discussed with the trust account officer and actions are taken to resolve discrepancies if any. Through the audit the balance sheet along with the audit report is submitted to the trust authorities for review. The audited balance sheet is put before the finance committee and governing body for approval. As the use auditable financial sources is effectively monitored there major financial objectives pointed out hence confluences does not arises

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

27.2

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The major sources of receipts for the institution is through the tuition fees and other fees paid by the students. This fees are being approved by fees regulating authority under State Government of Maharashtra. Students those are taking the admission to the institute have apply for various scholarship schemes those are

- Scholarship to reservation category and economically weaker students. this accounts are around more than 95% total total scholarship received
- Tatyasaheb Kore Sahakari Sakhar karkhana members children's scholarship
- Late Shrimati Shobhatai Kore scholarship for meritorious as well as poor students
- TKIET alumni scholarship for meritorious as well as for poor students

At the beginning of the year financial provisions required for day to day functioning and development activities are from the each department. Based on this account section prepares the budget and puts for scrutiny and approval from finance committee. Then finance committee puts it in front of governing council for its final approval. All purchase are made with a recommendation of purchase committee. All the collections are deposited in bank. Every

expenditure recurring or non recurring transactions through bank by online payment or by cheques. Every transaction is supported by vouchers.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC of TKIET has a very active functioning body and is composed of dynamic members from the teaching fraternity, industry, alumni, and scholar students.

In order to enhance the quality of the initiatives in all spheres, a number of quality initiatives have been adopted by the IQAC.

TKIET IQAC reviews its quality policies from the beginning of the implementation of autonomy into its curriculum structure, examination cell, admission activities, and development of other infrastructure facilities. Out of many quality initiatives, the following are the two major practices institutionalized as an initiative of an IQAC for this academic year

1. Incorporation of Industry representatives in curriculum design in the Board of Studies structure

As per IQAC guidelines, the Board of Studies (BoS) of each program has to invite external members, three representatives from different industry-relevant programs, and one representative of a senior academician from the institute of national repute.

These representatives have given the freedom to give suggestions for curriculum reform on the subject that have immediate industrial relevance and impact.

A Major focus of the curriculum to be on skill development among the

students and hands-on practicals as per the need of the industry for the next two years

1. Appointment of department wise placement coordinators under TPO to enhance the training and placement activity

A quality initiative for improving placement with MNCs and Higher Package, the values of students in terms of soft skills / technical skills is to be improved. In this connection, a dedicated placement coordinator from each department is appointed to carry out these activities. These placement coordinators adopted the different training modules from the third semester till the seventh Semester.

Special Training programs on skill improvement will be continuously organized during weekends/ holidays even in the late evening as additional efforts for the quality placement initiatives

1. Verbal / Nonverbal Communication
2. Group Discussion
3. Letter Writing / e-Mail writing
4. General Aptitude
5. Technical Aptitude
6. Mock Interviews by alumni

Institute got the good results from these activities in this academic year and achieves better placements status.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process. The Academic Calendar is prepared in advance, displayed and circulated in the Institute and strictly followed. Admission to various programmes, summer, winter and mid-term vacations, examination schedule and declaration of results are notified in the Academic Calendar. All newly admitted students have to compulsorily attend the Orientation Programme, in which they are

made aware of the philosophy, the uniqueness of the Education system, the teaching learning process, the system of continuous evaluation, compulsory core courses, various co curricular activities, discipline and culture of the Institute. The major initiatives taken over include the following:

- Automation of Admission Processes - Provision for online fee payment
 - Automation of Examination Processes
 - Curriculum Development Workshops in many subjects
 - Green initiatives in Campus - tree plantation, Biogas plant, solar photovoltaic power plants,
 - MoUs with prestigious Institutes, Universities, Govt. agencies
 - Application for NIRF, ISO and NBA Certifications
- The ISE and ESE examination question papers are prepared with CO-PO mapping. It helps to find out the attainment level of the students. Also the modification is done in examination scheme from 30-70 to 40-60 pattern.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	No File Uploaded
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

One of the most pressing issues confronting society today is gender equality. Gender equality is promoted on a daily basis at the institute.

The institute has a clear gender independent policy with regards to the curricular, co-curricular and extra-curricular activities. Institute makes sure participation of girls with boys in NSS, NCC, Sports, AFPI, and all curricular activities. In all girls have equal opportunities in all the endeavors. Guest speakers from a variety of fields are asked to talk on the issue, which emphasizes the significance and contribution of women in society.

The following is a list of the institution's gender equity promotion programmes: The TKIET has a strong ethical work culture that is inclusive. In all of its operations, it follows the highest ethical standards. Gender, race, caste, colour, creed, language, religion, political or other opinions, national or social origin, property, birth, or other status are all given equal opportunity. TKIET's primary concerns include safety, security, and well-being, as well as gender equity and a pleasant workplace environment.

Institute carried out various activities for strengthening gender equity like celebration of International Women's Day and many others.

1. Safety and Security

- Security guards are stationed all over campus and are well-

trained and observant.

- All campus entrances and exits are subject to security checks.
- Faculty members are assigned to a rotational duty for discipline and security, which is monitored 24 hours a day, seven days a week.
- Anti-ragging and anti-smoking campus policies are strictly enforced.
- Through street plays, rallies, and camps, NSS and NCC student volunteers raise awareness about women's safety and gender sensitivity.
- Separate hostels for men and women with dedicated wardens
- As indicated by Stakeholder Feedback, the Institute is the preferred destination of parents for the education of their female wards.

1. Counseling

- A Guardian is allotted to each practical batch for official and informal counseling for academic and other issues/problems.
- Class Coordinator and Committees are available for counseling of both males and
-
- Grievance Redressal Committees for students for males and females
- Medical Counseling, Moral Counseling, Career Counseling through various camps.

Common Rooms:

- Men and women have separate common spaces in all Departments, which make meetings and talks easier.

Any other relevant information

- In its endeavors to consistently achieve its vision and goal, TKIET has been successful in balancing the needs of its various student and staff populations. This is also demonstrated by the regular input received from all of the stakeholders.

Additional steps guarantee that students actively participate in co-curricular activities, such as sports, paper presentation and model making competition.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

TKIET is committed to generating less trash and recycling it by putting it through a mechanism that allows spent materials to be reused, hence conserving natural resources.

Solid waste management

The solid waste in the form of leaves, fruits etc. is collected and used for vermiculture and composting plants. Dustbins of suitable capacities are provided in each cabin, laboratory, office, canteen etc. to facilitate smooth collection. The College has contacted a recognized vendor who collects waste from the designated location, sorts it, recycles it, and disposes it.

Liquid waste management

There are two kinds of liquid waste produced by the College:

1. Sewage waste AND Laboratory, cafeteria effluent waste

The above waste is taken to the two wells and the water is used for watering the garden.

E-waste management

Old computers and equipment are sold to licensed vendor and college strictly follows old buy back scheme. Unused discs are given to schools as per the requirements for decorative and "Best from Waste" purpose. Electronic garbage that cannot be reused or recycled is disposed of centrally by government-approved suppliers.

Hazardous chemicals and radioactive waste management

In the Chemistry laboratory various experiments and projects are carried out in which a number of carcinogenic and hazardous chemicals as well as bacterial samples are used. Safety instructions are displayed to avoid the mishaps in these laboratories. After the use of hazardous chemicals, all the equipment are heated in the autoclave at 1210 C temp and 15 lbs pressure for 20 mins. Hazardous matter is carefully disposed in the disposal pit.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **B. Any 3 of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **B. Any 3 of the above**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-

C. Any 2 of the above

friendly washrooms Signage including tactile path lights, display boards and signposts
Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc.
Provision for enquiry and information:
Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution creates an inclusive environment for everyone, promoting tolerance and harmony in the face of cultural, regional, linguistic, community, socioeconomic, and other differences. Students who are belonging in minority category like Muslim, Christian, Buddhist, Sikh, Parsi, Jain, Maratha, Brahmin etc have been equally treated and provided with equal opportunities to nurture their education skills. Institute has Inclusive strategies where all the facilities are available to every type (category) of students. Also to maintain the harmony between diverse group students institute organizes Sports, Cultural and Commemorative days like Get together, Ganesh Festival, Shivjayanti, Navratri, Traditional Day, (Mr. & Ms. Parampara Competition), maker sankranti, Women's day, Yoga day and Social Annual Function. In the institute, there are many grievance redressal cells, such as the Student Grievance Redressal Cell and the Internal Complaints Committee, which deal with complaints without regard to anyone's race or cultural background. The institute has a code of ethics for students as well as a separate code of ethics for teachers and other staff, both code of conduct must be followed by all personnel, regardless of their cultural, geographical, language, communal socioeconomic or other differences. All these facilities to the students are provided irrespective of their caste, creed, color, sex

or socioeconomic background.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

TKIET is proud of the fact that, in addition to establishing a solid academic foundation for its students, the college is always working to help them grow as better citizens of the country. In this regard, the institute, in addition to providing professional legal education, fosters a sense of community among the learners through various practices and activities. The College celebrates Independence Day & Republic Day with great pomp and vigor.

In the syllabus of first year degree students, there is an Audit course (subject), Democracy Election and Good governance for 1st Semester. The course (Democracy, Election, and Good governance) improves the sensitization of students of the Institute to the constitutional obligations.

The syllabus of the audit course helps to improve the values, rights, duties, and responsibilities of citizens according to constitution of India.

In the 1st year 1st semester of engineering, this audit course has MCQ type exam having a maximum of 50 marks. There are 25 MCQ-type questions and each question of 2 marks. Students get the institutional certificate signed by the principal after passing this exam.

By studying this audit course students get the knowledge of democracy. At the same time, they become curious about the constitution of India and aware of Socioeconomic responsibilities towards the nation. In a real way, they understand the importance of voting in elections and the right of voting after the age of 18 years. Also by studying this course they desire good, smart, and e-governance in the government. As result students who get success in competitive exams dare to implement smart and e-governance when they join the services.

Also, in the Student Induction Program of First Year Students, Guest Lectures are organized on Constitutional Values.

In this manner, students get constitutional awareness and responsibilities by studying this audit course.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

C. Any 2 of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Independence Day-15 August

Independence Day commemorates the end of British rule in India in 1947 and the birth of a free and independent country. Every year, TKIET commemorates Independence Day. The Administrative Officer hoists the flag and delivers a speech to the students and staff on

the significance of Republic Day.

Teachers Day: 05 September

Teacher's Day is recognized to celebrate the difficulties, sacrifices, and unique role that teachers play in our lives. Teachers Day is one such event that both students and teachers anticipate. Teachers Day is organized by students from all departments, who assist faculty members and conduct a few events.

Engineers Day: 15 September

Engineer's Day is commemorated to recognize our country's engineers and to honor their accomplishments in all fields of science and technology. Engineers play a critical role and contribute to a country's economic prosperity and development. InTKIET, students organize various activities on Engineers Day.

Mahatma Gandhi Jayanthi: 02 October

Mahatma Gandhi Jayanti is an event celebrated in India to mark the birthday of Mahatma Gandhi. It is celebrated annually on 2 October. TKIET celebrates Gandhi Jayanthi every year and remembers the significant role played by Gandhiji.

Republic Day: 26 January

Republic Day commemorates the date on which India's Constitution took effect on January 26, 1950. Every year, TKIET celebrates Republic Day. The Administrative Officer hoists the flag and delivers a speech to the students and staff on the significance of Republic Day.

International Women's Day: --- March, 2021

On occasion of International women's day Department of Computer science organized

Social awareness activity in association with TKIET Women Cell. CSE students have organized a "Street play show on SAVE GIRL CHILD". This event started at 4 pm near central Library of TKIET. Total 17 students are participated in this show. Duration of this show was 20 mins. Our honorable Principal Dr. S. V. Anekar and TPO Dr. S. T. Patil were present for this show. Through this show students have given a nice message to the audience about save girl child. "Women are the most important section of the society and equally

participate in the life existence on the earth. However, regular decrease in the sex ratio of female in India because of the crimes against women, it has created the fear of total finish of women. So it is very necessary to aware people greatly about the save girl child." They have also created awareness about Government of India has taken some positive steps regarding save girl child such as protection of women from domestic violence act 2005, ban of female infanticide, immoral traffic (prevention) act, proper education, gender equality, etc. Our students performed their roles very effectively during whole show. Principal sir and TPO sir appreciated our students.

International Yoga Day-21 June 2021

Spreading growth, development and peace throughout the world. - Making people aware of physical and mental illnesses and providing solutions through yoga. - It also aims to develop a habit of meditation for peace of mind, self-awareness which is necessary to survive in a stress-free environment. TKIET encourages yoga activities and Sports Department organizes a small workshop on Yoga and its significance to students and Faculty Members.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Title of the Practice

Teacher- Guardian Scheme

2. Objectives of the Practice

- To enable students to get an insight into their potentialities, strengths and weaknesses for learning.
- To identify special learners such as creative and gifted and

cater to their needs.

- To identify the weak students and diagnose their learning difficulties and organize remedial measures.
- To identify students who have problems of adjustments and help them to resolve the same.
- To inculcate proper values, habits, attitudes, and temperaments for studies and work in studies.
- To assist in developing interpersonal relationships among students.
- To assist students in maintaining sound and integrated health.

3. The Context

The Counseling services in TKIET are a part of the academic requirements. The Management upholds its philosophy reflected in its Motto: Excellence and Service, and imparts education of the highest quality in the Technical services and related professions, instilling Human, Ethical, and Spiritual values, with the help of Counselors. To achieve the goal of the institution to the fullest level, the guidance and counseling services are essential and it will be offered through the counseling office, for the students to help them make proper adjustments with environment in which they are living and for optimum achievements and also adequate adjustment in varied life situations. This is to enable the students to succeed in their educational plan and to be consistent with their abilities, interests and goal.

4. The Practice

The HoD of the Department in consultation with Guardian Coordinator appoints one faculty member as a Guardian for a batch of 21 to 25 students. The faculty member tracks the overall development of the students. Moreover, he/she conducts meeting on regular intervals for checking the progress of the ward in academics. One of the motif behind this activity is a student should feel home like atmosphere at the institute. Guardian not only take care of academic things but he/she id always there for personal problems too.

5. Evidence of Success

Following counseling, students' attendance has improved. The Student-Teacher relationship was strengthened as a result of Guardian's communication with the students. Students' academic performance increased slightly. Participation of the students increased in extracurricular activities. Students become more focused on achieving their goals.

6. Problems Encountered and Resources Required

New faculty members in the department require time and guidance to grasp the significance of the Teacher- Guardian Scheme. Orientation is required for such faculty members. Due to time restrictions, faculty members have difficulty engaging in one-on-one interactions. The majorities of faculty members, on the other hand, recognise the value of this plan and enjoy participating in it.

7. Notes (Optional)

Best Practice weblink :

<http://tkietwarana.ac.in/upload/naac/Best%20Practices/Best%20Practices%20of%20the%20Institute-2122.pdf>

File Description	Documents
Best practices in the Institutional website	http://tkietwarana.ac.in/upload/naac/Best%20Practices/Best%20Practices%20of%20the%20Institute-2122.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Honorable Shri Late Tatyasaheb kore a visionary leader and father of Warana industrial and educational co-operative movement after who the college is named with an objective that "Charity is to serve society through the development of education, industry and the poor farmers". True to this prophetic statement this 39 years old institution has emerged as one of the premier institutions of higher learning in Maharashtra not only has the college continually serves thousands of needy students from the region but also has a long-standing tradition of academic excellence. The college is most sought after by students belonging to all demographics. The demand is due to the quality and facilities for the pursuit of higher learning, dedicated and experienced teaching faculty and state of art infrastructure.

The college is situated at the footstep of Deccan hills with the divine blessings of lord jyotirlinga the 47acre lush green campus of

T.K.I.E.T provide serene and peaceful atmosphere and compliments the academic and extracurricular activities of the students to the full potential. After striving for 39 years continuously for curricular

Excellence by incorporating extraordinary digital platforms it has now become an autonomous institute from the current academic year. Commensurate to its vision statement institute is now poised to produce its graduates who are "Locally rooted and globally competent" engineers under Autonomous culture". The institute has accepted the challenges of autonomous status and devised the system to connect every student with the industries and societal needs. The unique feature of the curriculum in the autonomous system is well stood on four pillars those are 1. Acquiring knowledge than marks. 2. Inculcation of Soft Skills among the students. 3. Exposure to Industrial practices with strong industry connected credits. 4. Audit/Credit mandatory to participate in co curricular and extracurricular activities. With the above, these foundation pillars institute continuously strive for curricular excellence and produce the graduates to suit the needs of the 21st century.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum of all programmes are modified & developed according to Programme Educational Objectives and Programme Outcomes of autonomous institute which further tunes with mission & vision of institute. The process of design & developing course content & frame work is done with the help of feedbacks and meetings conducted with various stakeholders such as students , parents , alumni , academicians industrial and Research & development experts which ensures the needs & relevance of local regional , national & global organization.

The curriculum course content & frame work designed are recommended by Board of studies & approved in academic council of Autonomous Institute.

Local Developmental needs

There are several different programmes which activate students to analyse local need & provide their solution based on knowledge acquired during engineering.

We arrange competitions where students are often challenged with real time problems faced by nearby small scale industries. They come with relevant scientific solution even students get sponsored projects in final year engg. from local industries such as Sugar factory , Agricultural , Dairy etc.

Regional & National Development needs

In tune with regional & national development needs the institute has introduced several new courses in the area of Internet of thinking(IOT) ,Artificial Intelligence & Machine Learning (AI & ML) , Plant Design Management System (PDMS) softwares , Data science & cyber securities . In addition to this students are having the industrial & field visits to acquire practical experience & recent trends in engineering.

To acquire the entrepreneurial skills of students the institute initiates collaboration with All India Council for Technical Education (AICTE), IIC (Institute Innovation Council) NISP (National Innovation & Start up policy) Atal Ranking of Institutes on Innovations Achievements (ARIIA) & MCED (Maharashtra Cell for Entrepreneurship Development)

Global Development Needs

In tune with global developments needs the institute has introduced a range of Co-Curricular & extra curricular activities are aligned with overall developments of students which impact global development needs. Even we offer courses on renewable energy climate changes & environmental effects to sensitize the students about global health & pollution.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	http://tkietwarana.ac.in/dptelect/details.aspx?title=PO%27s%20and%20PEO%27s

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

5

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

32

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

16

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

5

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institute offers combination of relevant cross cutting issues

in the courses of curriculum offered for different programs.

Some of these courses are mandatory for graduation requirement. Taking advantage of autonomy with available flexible credit system in which students of various programs can register courses under open elective. In TKIET students from different states of nation actively participates in core peer & group learning as well as extra curricular activities such as cultural , social N.S.S.(National Service Scheme) , N.C.C.(National Cadet Corps) including all ages , genders & different culture.

Following are some specific points that relates to above requirements.

Professional Ethics and Human Values

In institute under autonomy conducts induction programs on ethics & human values for all first year engg. students which includes all programs of the institute. In addition to this through training and placement cell students are trained for bio ethics , corporate ethics , business ethics , media ethics & communication skills organized in collaboration with O2 breathing. Institute ensures managerial skills by introducing management courses & entrepreneurial workshops , Industrial visits etc.

As a part of social activity the institute provides technical as well as economical assistance to " Orphan Chaitanya Matimand School" and all other sister institute of warana complex.

Gender

Institute ensures to address the issue related to woman empowerment , equality in gender , child abuse & responsible living citizen of nation through rallies , street plays involving students from N.S.S. .(National Service Scheme)

Environment

Environmental studies is a mandatory course for all second year engg. undergraduate program. Apart from this in Civil Engg. specialized environment course is induced for study of environmental impact assessment , quality monitoring audit , green audit , water and energy conservation.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

5

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

205

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1527

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the | A. All 4 of the above

syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

C. Feedback collected and analysed

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

840

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

200

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Special programme for advanced learners

Advanced learners are motivated to undertake tasks beyond the syllabus and provided required orientation and coaching suiting their aspirations, for higher competitive examinations like IAS, GATE, GRE, etc. They are provided:

- Students are encouraged to take part and organize Inter-college technical festivals like Eureka (Paper Presentation Competition) and Jidnyasa (Project Competition) organized by the institute,
- Special classes are conducted by Career Development Cell (CDC) to help them to succeed in national/ international level entrance examinations like GATE, CAT and GRE, CEMAT, etc.
- Arrangements are made to enable such students to undergo training during the summer/winter vacations in various industries, participate in national/international workshops and seminars.
- University rank holders are honored during the Annual Social Function with merit certificates and prizes.

Special programme for slow learners

Students, who are slow in grasping, are provided additional academic support through special classes. Some of the initiatives for them are:

- Remedial classes are arranged for slow learners.
- Question bank and university question papers with model answers are provided to these students which helps them to improve their performance in the university examinations.
- Special counseling is done by their teacher guardians.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	2615	134

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

TKIET always strives hard to make new pedagogical methods, such as experimental learning, participative learning, and problem-solving methodologies integral part of the Curriculum.

For experimental learning majority of courses are associated with lab courses where students are expected to perform experiments and analyze experimental data. Wherever possible faculty and students are encouraged to use virtual labs. Mandatory mini-projects T.Y. students to promote experimental learning. F.Y. students are expected to participate in project-based learning where they get an opportunity to learn by doing.

Participative learning - participative learning is promoted through techniques such as flipping the classroom and think pair share, group discussion, etc. In blended learning technology, Faculty combines the additional method with the use of ICT tools like PPTs, online resources, pre-recorded content, etc. T.Y. students are expected to present a seminar on the topic of their choice which usually is not part of the syllabus. Institute students are encouraged to participate in NSS and NCC activities which inculcate social awareness and a habit of participative learning.

Problem-solving methodologies- Project-based learning methodology

is implemented from F.Y. to Final Year where students work on real-life problems and propose feasible solutions. Annual industry problem solver event is organized where students are presented with industry problems and expected to come up with a solution.

Impacts- These student-centric methods helps in improving the efficiency of the teaching-learning method and enriches the student learning experience

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Due to the prevalent pandemic situation throughout the academic year 2020-21, TKIET teachers had to adapt to online teaching-learning. Accordingly, teachers were trained for new pedagogical methods involving the use of the ICT-enabled tools, the development of e-content, and the use of e-resources. TKIET encouraged its teachers to participate in FDPs and refresher programs. In addition to this, the teachers are provided with the following multimedia teaching aids:

- Number of LCD projectors: 35
- Number of writing pads:06
- Number of document cameras: 06

To share e-content and assignments with students, Learning Management System such as MOODLE and Google Classroom was used. To communicate important information such as circulars and notices with students and parents technologies such as SMS packs, e-mail, institute portal were used effectively.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://tkietwarana.ac.in/details.aspx?title=Webinar%20Series%202020
Upload any additional information	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

134

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic calendar: Before the commencement of the academic year, Academic Committee prepares the academic calendar which is finalized after the approval of the Principal. It is printed and displayed on the notice boards and college website. The calendar, made available to the students before the commencement of classwork, includes:

- First and last day of instruction, schedules of ISE and ESE exams, total instructional days in a given semester.
- The academic calendar strictly adheres. However, in case of any unexpected situations, necessary change is made and the same is displayed in notice boards and websites.

Teaching Plan:

HOD's and AC's conduct meetings with their respective faculty well in advance of the commencement of the semester course work and allocate subjects. The concerned faculty for each subject prepares a detailed lesson plan of theory and laboratory courses. It gives the syllabus, lecture-wise content, experiments with plan date, and actual date of completion. The HOD's and AC's

check the progress of each course and ensure timely and effective completion of a course in the specified time frame.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

134

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

20

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

134

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

02

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination Procedures and Assessment System:

The examination is conducted in two forms i.e. In semester Exam (ISE) and End Semester Exam (ESE). There are two ISE's in a semester for 30 Marks each, the average of the two ISEs Will be considered as final marks. The ESE is conducted at the end of a semester which has a weightage of 70 marks. A make-up ISE is arranged before ESE for those students, who are unable to give either of ISE for some genuine reason.

- **In-semester examination (ISE):**In-semester examination (ISE) was conducted at the department level under the guidance of the Head of department/First-Year Chief coordinator. There were two In-semester tests in each semester for every theory course. Each test was of 30 marks and the duration of each test was an hour. The Total In-semester exam marks were calculated as the average of all In-semester exams conducted. When a student failed to score minimum marks i.e. 12, then he/she attended the Make-up examination. The makeup examination was conducted according to the rules mentioned in the examination Rules book of the institute. The questions were set to map the course outcomes.
- **End semester Examination (ESE):** At the end of each semester, examinations were conducted for all the courses. The questions covered the entire syllabus and they are mapped with the course and program outcomes. The evaluation of the examination was done by an external and internal examiner.
- **Lab:** Continuous evaluation was done for the laboratory and internal marks were awarded based on the internal lab examinations/practical orals (POE) for some courses.

Processes integrating IT:

The entire exam system uses advanced software for all its operations from entry to the exit of the student from the institute. Institute has procured software from Bynaric systems Ltd Pune which is capable of handling both ISE and ESE in any mode (Online or offline). All the work related to pre-examination, its conduct, and post-examination are efficiently handled by software

- All students had to register for their Regular and supplementary examinations through online mode only.
- Students could download their hall tickets through the exam portal online.
- Students and parents could see their results online and get notifications also.
- The digital valuation was implemented and the processing of results was also automated.

Continuous Internal Assessment (CIA)

Every student undergoes a continuous assessment of his /her performance in a semester. The attendance, submission of journals and assignments, test performance, etc. were effectively

monitored. The college diary given to every faculty includes all the parameters of continuous assessment and are periodically checked by the academic coordinator and head of the department

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://tkietwarana.ac.in/exam/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The institution has defined PEOs consistent with the VISION and MISSION statements of the Institute. In the framework of this, POs, PSOs, and COS are defined with reference to graduate attributes. The members of the Board of Governors (BoG), Academic Council, Board of studies (BoS), and Department Advisory Board (DAB) contribute to the process of finalization of these statements. Once the approval is received from all statutory bodies, they are uploaded on the institution's website.

To make the awareness and realization of the depth of meaning of the institution's vision, missions in address developing into holistic professionals, PEOs, POs, and COs are communicated to all teachers, students, and major stakeholders.

The mechanism of communication is as follow,

1) At the commencement of the academic year, all department faculty prepare the teaching-learning plan by keeping in mind, the perspective of COs, POs, and PSOs of their program and courses.

2) Learning outcomes are publicized through

a. Publications - Syllabus books, Calendar, Records.

b. Display - HoD Cabine, Classrooms, Laboratories, Corridors, Website.

c. Question Paper contains POs - COs mapping

d. Public discourse and explanation - Inaugural sessions for

First and second-year students, workshops, alumni meetings, parent felicitation meetings, etc.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	No File Uploaded
Link for additional Information	http://www.tkietwarana.ac.in/naac/details.aspx?title=CO%20PO%20of%20Different%20Programs

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

A well-defined process for attainment calculations of COs, POs in the institute is adopted. The process is described below

1. BOS, Course teachers define the COs and POs for all courses. Same time, CO - PO mapping has been done for courses. The approval for the same is taken from BOS and AC.
2. For the attainment, Calculations are done by different Direct and Indirect methods

Following Direct methods are used

1. ESE
2. ISE -I and II
3. MU Examination
4. POE
5. Seminar
6. PBL

These methods are assessed by conducting the theory examination, presentation, or using defined Rubrics. Different marks for these methods are allotted as per the importance of the method.

1. Course teachers decide the target for the attainment of COs. The data of the direct method is analyzed to compare the attainment target. The excel sheet/software is also used in this task. This attainment level is measured on the scale of Substantial -3, Moderate-2, and Lower -1.
2. After this, using COs- POs mapping the attainment of the POs are calculated based on the Direct methods.

3. For POs attainment, some indirect methods are also used such as Employer, parent, alumni feedback, and students exit survey.
4. In the end, 80 % weightage is given to direct methods and 20 % is given to indirect methods to calculate final POs and PSO attainment.
5. This attainment calculation is further analyzed to find the curriculum gap for slow learners or to enrich the curriculum for the advanced learner.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

666

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<http://www.tkietwarana.ac.in/naac/details.aspx?title=Student%20Satisfaction%20Survey>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined

policy for promotion of research which is uploaded on the institutional website and implemented

The institute has drafted well thought and forward looking policy for promoting and inculcating the culture of research and consultancy. This policy is approved by the institute management. The faculty, students and other academic staff of the institute are encouraged to take on research as well as consultancy projects. This will assist in strengthening research profile of the institute. Further, faculty are provided with incentives for publishing research articles. Under academic autonomy, the institute has introduced Project Based Learning (PBL) since first year to promote the culture of research amongst the students. Students are encouraged to find academic or societal problems and subsequently find solutions for it. Institute provides resources to students required to complete the project. Chemical department of the institute hosts Ph.D. research centre approved by Shivaji University, Kolhapur. 02 research scholars are pursuing their doctorate degree. Four departments of the institute offer PG programs and hosts research laboratories where students are provided with infrastructure and facilities to work on their PG projects. Every year institute submits proposals for funded research projects to different funding agencies. Currently 1 MODROB project funded by AICTE, New Delhi is in progress.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

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File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

2

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

57.05

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

11

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

3

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Yes, Institute has created an ecosystem to for innovation and entrepreneurship by establishing Innovation and entrepreneurship development cell (IEDC), Institute innovation council (IIC) for promoting innovation and entrepreneurship activity. Even Institute formulate National Innovation and startup policy (NISIP) which inline All India council for technical education (AICTE)

and Govt. of India initiative to promote entrepreneurship by providing technology, research, Innovation and Industrial connectivity.

To inculcate innovation in student mindset under autonomy institute introduce Project Based Learning (PBL) to first year student. These projects are solution to real world a real world problem for better learning experience along with classroom teaching

To acquire the entrepreneurship skills in students institute collaborate with All India council for technical education (AICTE), Institute innovation council (IIC), National Innovation and startup policy (NISIP), ARIIA, Tata Centre IIT Mumbai, Million Mind, Maharashtra cell for entrepreneurship development (MCED).

We arrange Different session to boost entrepreneurial skills of student such as Entrepreneurship awareness camp (EAC), Business Idea Competitions, Expert session, MIC Driven Sessions ETC.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through

C. Any 2 of the above

authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

4

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

18

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

1

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sciencedirect.com/science/article/pii/S221478532107125X

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

85

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

85

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.40

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1.40

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The institute management always inspires students and faculty participation in social activities and drives for adhering to ethical values.

Social activities like tree plantation, free distribution of Arsenicum album 30C, face-shield, face-mask, hand-sanitizer to the nearby villager and employee of our institute. 100 beds capacity Covid center was established in the institute premises. Faculty members and students visit the Warana Matimand Vidyalyaya (School of handicapped) and help them by donating money. The institute management provides college playground (Shivneri) to

neighboring communities on weekends and allowing for hosting sports to Shivaji University and nearby institutions. Conduct the flag hoisting ceremony at Independence Day, Republic Day involving the NSS students, local government authorities and guests. Organize events like Eureka and Jidnyasa which bring students of various colleges and give them a platform to showcase and share their technical ideas.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

1

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

5

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

150

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

495

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

12

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The institute has adequate infrastructure & physical facilities and for the existing academic/administrative programs, co-curricular and extra-curricular activities.

To cope up with upcoming requirements the Institute creates necessary infrastructure systematically and continuously with a

futuristic vision of need and utility. Five major departments have well-furnished classrooms, equipped laboratories, language laboratory, Central Library, Departmental Library, five well-furnished seminar halls, conference halls, and a state-of-art auditorium. Institute has excellent IT infrastructure such as 710 Mbps bandwidth line and more than 650+ computers connected in the wired network. more than 12 TB+ e-learning resources in data centre. This entire ICT and IT infrastructure is managed by a dedicated SNS (System Network Support) department. The campus of the institute is spanned across 15 acres area, in which various recreational facilities such as the playground, indoor stadium, indoor swimming pool, Gymnasium, cafeteria, bank extension counter are available. Additional infrastructure will make available as per the curriculum and additional programs. There is no dearth of infrastructure and other facilities.

The institution has spacious, ambient classrooms with ICT facilities, well-equipped Seminar halls with an audio-visual facility. All departments have various laboratories with modern equipment and machinery supported by language, communication skill laboratory, and central computing facility. Institute provides facilities for e-learning, 24x7 hr. access to the Internet through Wi-Fi facilities, Digital Library having a large collection of e-books, and e-resources.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

All the students are encouraged and motivated to participate in sports activities as their extracurricular activities. The institution has an active Gymkhana department led by the dedicated physical director to take care of organizing, promoting various sports activities. The Gymkhana department proactively takes lead in organizing most of the sports tournaments at district, university, zone, Inter-Zonal, and state levels. Also, the gymkhana department promotes the students to participate in popular and reputed sports tournaments at various levels outside the campus. The Gymkhana department organizes Annual Sports Day for felicitation and awarding the meritorious students who have

participated and won the prizes in the team and individual sports tournaments at various places. In order to encourage the student's interest in cultural activities, the Institution provides all necessary required facilities. The institution has established the best practices for organizing cultural events by forming various committees that constitute representatives from students and faculty. These committees are Cultural Committee, Annual college Magazine "Horizon" committee, and "Marathi Sahitya Mandal" Committee and Nature Club. In order to cater to the needs of cultural events, the institute has an adequate number of facilities.

- The Institute has a well-furnished indoor and open auditorium for all cultural events conducted for students as well as for staff.
- The cultural events organized annually are Annual Social Function, Traditional Day.
- The students having qualities in performing music art had established their own band named as "AKSHSTRA" - a student's orchestra.

Yoga Centre:

The institute has a Yoga and Meditation center where various yoga camps are organized. Many faculty and students take voluntary participation and organize such camps through trained yoga instructors.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

25

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

4.83

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- Name of the ILMS software: Techno Aarv (Purna Library Management Solution Version 2)
- Nature of automation (full or partial): Full
- Version: 2.0
- Year of automation: 2010

TKIET Library plays a pivotal role in enhancing the quality of the academic research environment in engineering education, TKIET library has a plethora of academic books, journals, magazines, rare books, and other knowledge resources. The library has dissertations, project reports on various subjects. Besides these, the Library is also equipped with the latest e-journals, newspapers, regional language books, etc.

The Library has been fully automated with Purna Library Management Application (Library Management System) since 2010, the current version of the software is 2.0 this software package is an integrated multi-user library management system that supports all in-house operations of the Library. The Purna Library Management Application consists of modules on

Acquisition, Cataloguing, Circulation, Serial Control, Utilities, and OPAC. Retrospective conversion of bibliographic records has been completed and more than 58,083 bibliographic records of books and 83 records of Print Journals are available in the library and can now be accessed through this library management software, OPAC. The database of books available in the Library is being updated on a day-to-day basis with details of recently acquired books. Records of all the Library patrons have also been created in the Library Management System.

OPAC (Online public access catalog) service is also provided where the users can search the collection of books by title, author, publisher ISBN, call number, accession number, etc. The books are being bar-coded and the users are given a unique barcode ID. Books are classified according to Dewey's decimal classification. The library has closed-circuit television (CCTV) surveillance Cameras.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

B. Any 3 of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

17.10

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

2988

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Tatyasaheb Kore Institute of Engineering and Technology (TKIET), Warananagar (Autonomous) is well equipped with ultra-modern IT infrastructure. It is readily accessible for the Teaching and Learning Process. The institute upgrades ICT enabled infrastructure periodically. The IT policy of the institute includes installation of legal/licensed software's, responsibility for timely maintenance.

Vision

To become an integral part of our stakeholder's success, collaborating with them to achieve their objectives

Mission

Our mission is to provide exceptional service by delivering high quality and secure IT systems and solutions that allow our stakeholders to effectively meet their aspirations.

Hardware infrastructure:

- Computers -520 Nos
- Servers - 10 Nos
- Data Centre - 1No
- Storage - 2 nos (36TB + 72TB)
- Projectors -52 nos
- Printer - 45 nos

Networking infrastructure:

- LAN (1000 nodes)
- Wi-Fi network 16 access points.
- Active and passive components for networking
- Core Switch
- Firewall Security System, internet applications

1) Bandwidth details: 500 Mbps Airtel Leased Line (1:1), 100 Mbps InDigital Broadband, 100Mbps SPN Broadband, 10 Mbps NKN BSNL Broadband

2) All centres computer information

All Departments having Their Computer centre well connected to central DAT Centre

From Minimum capacity of 25 maximums 200 Nodes

3) LAN Facility details

1000 nodes with 1000 Mbps LAN with 10Gbps OFC backbone

4) Wi-Fi details

100 Mbps Wi-Fi Hotspots in Varies Important Location, JIO-FI Wi-Fi Campus with 252 Wi-Fi Antenna in the entire campus

5) Firewall details

Unified Threat Management(UTM) XG next-generation firewall, Cyberoam CR 300 iNG & SOPHOS XG 330 with user-based authentications, Instruction Prevention, VPN, content access, controlled bandwidth for 5000+ users

6) Security Features (Firewall/Antivirus/CCTVs)

Unified Threat Management(UTM) XG next-generation firewall, Cyberoam CR 300 iNG & SOPHOS XG 330 with user-based

authentications, Intrusion Prevention, VPN, content access, controlled bandwidth for 5000+ users

Sophos Intercept X Endpoint Antivirus and Seqrte Antivirus Endpoint for Computer client

24/7 150 + CCTV Camera for monitoring for Computer Labs, passages & corridors of Important palaces.

7) Software Details (academic, examination, Server, Language base software)

1. We are using Office automation software CMS to automate all processes related to students & stakeholders. We are maintaining the academic lifecycle of every student

2. We are using Library Automation software for the accession of books web OPAC, Eklavvya Mobile App.

3. We are having Oriell Language lab software of 25 Nodes for first-year Engineering Students

4 We are having Autonomous College Examination related process software in place

8) Use of Official Email Address for all communications

For the mail communication, the institute has provided an official email address to every faculty

(sample format email-id@tkietwarana.ac.in). This enterprise email solution is provided by Google with cloud storage. All communications are made through these official email ids.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2615	520

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 250 Mbps
---	-------------

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	C. Any two of the above
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File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

1953.54

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

The following procedures are adopted for maintaining and utilizing various physical, academic, and support facilities.

- Classrooms and laboratories are allotted by Dean Academics
- Auditorium, Seminar Halls are booked and allocated with prior permissions of Principal, HoDs by the respective in-charges. Maintenance and cleanliness is mandatory post-event by the concerned department
- Maintenance-related complaints (infrastructure, lab equipment, computers, etc) are carefully monitored by the concerned maintenance team and their reports are logged appropriately
- Some departments have Annual Maintenance Contracts (AMC) with the companies/suppliers for repair and maintenance of key equipment
- The central library is equipped with recent technology with a touchscreen kiosk for library information display, dedicated reading rooms, high configuration computers with seamless Internet connectivity.
- The system and Network Support (SNS) team is responsible for the upkeep and maintenance of all IT infrastructure. SNS team includes Head, System Network administrator, technicians, respective lab assistants who are responsible for repair and maintenance
- Periodical maintenance of utilities like housekeeping, electrical units, lifts, air conditioners, sewage treatments are carried out and logs are maintained
- Institute had a dedicated sports department which is led by an experienced Physical Director, Assistant to Physical Director, departmental coordinators. Peons maintain and monitor the sports facilities.
- Checking of stock in the laboratories and classroom facilities is carried out on a regular basis
- Sanitization at regular intervals has been carried out in the laboratories.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2854

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

290

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	www.tkietwarana.ac.in
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1747

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

<p>5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees</p>	<p>A. All of the above</p>
--	----------------------------

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

476

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

84	
File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

13	
File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

32	
File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Students Council is constituted, according to UGC and University guidelines, in the institute. The members of the student council involve in many administrative, academic, co-curricular, and extra-curricular activities under the guidance of one of the senior faculty members.

The student's representatives serve on the Departmental Advisory board, Board of Studies, Departmental Associations, IQAC, etc. Activities under the students association are completely organized by students. During the COVID-19 pandemic, most of these activities were conducted through online mode.

For inter-college cultural & sports activities the Cultural and Sports Secretary forms the teams and represents the institute. Students are also encouraged to be a part of the extension and outreach activities like NSS, Community Services as an Institute Social Responsibility. For each committee, a dedicated faculty coordinator guides and manages all the activities in these committees.

Various committees have been structured in the institute:

- 1) Internal Quality Assurance Cell (IQAC) Committee
- 2) Anti Ragging and Student Discipline Committee etc.
- 3) Library committee
- 4) Gymkhana Committee
- 5) Cultural Committee
- 6) Grievance Redressal Committee
- 7) Hostel and Health Care Committee
- 8) Women Empowerment Cell
- 9) Sexual Harassment Prevention committee
- 10) Innovation and Entrepreneurship Development Cell (IEDC) identifies
- 11) Career Development Cell (CDC) promotes and encourages higher education, competitive examinations.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

7

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The institution has a registered Alumni Association. The chapters of the association are formed in major cities like Kolhapur, Ratnagiri, Pune, Mumbai, Delhi, Chennai, and Hyderabad, Bangalore in India and abroad (List of Functional Chapters is attached).

Activities and contribution of Alumni Association

1. Chapter Formation: Organizing alumni meets centrally and chapter-wise.

2. Providing training to the students.

3. Assisting in placement activity and internship to students.

4. Providing help for needy alumni.

5. Major contribution from Alumni for institutional development: Alumni have helped the institute in the following ways like Donation of books to the library, donating licensed software, industrial training, placement assistance, and scholarship to needy and budding students.

6. Financial Support during Academic Year (2020 -2021) - Rs. 19, 21,122/ - (Rupees Nineteen Lakhs twenty-one thousand one hundred twenty-two only) for UG students scholarships and other medical assistance to students.

7. The Senior Alumni contributed during the COVID pandemic with

Face Shield, Masks, Sanitizers, Floor Sanitizers for institute faculty and students.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The empowered team of the college involves Principal, HOD, Deans, registrar, TPO, convener of different committees, IQAC committee, Teaching-staff, non-teaching and supporting staff, student's council, stakeholders, alumni and local management committee is dedicated to cater quality technical education. The principal monitors the mechanism regarding administration and academic process. It also ensures proper implementations of the policies, rules and action-plans of the college. There are many committees to support the vision and mission of the college. For example, cells like Examination cell, NSS, NCC, EC, CDC, TPO CC etc. The vision of institute is to become an academy of excellence in technical education and human resource development. This vision is being constantly achieved through activities like implementing quality teaching learning using modern tools, skilling students to become employable curriculum in tune with industry needs and inculcating attitudes in students for lifelong learning and ethics. To implement this a well structured empowered team of HODs, Dean. TQAC, TPO, CDC, student council, is involved in the academic and administrative decision meeting. There is well organized composition of AC, BOS, BOE, FC also exists with representatives from universities, Industries, Alumni's and students which actively participate in governance of institute so as to meet expectations as per institute vision, mission and

quality policy. These are more than 30 different cells composed by staff and students those are also exposed to take decision as per cells objectives.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The administrative powers and responsibilities are distributed and executed through the participative management of the Managing Committee, the administrative officer, the Principal, the deans, the Heads of the Departments, the Faculty members. Knowing the inclusive significance of decentralisation and participative management, the Principal heads the College Council that comprises all the deans, Heads of the Departments and Special Invitees.

The administrative and academic decentralization of powers in education promises to become efficient, better reflect on local priorities, encourages stockholders participation enhances learning outcomes and teaching quality.. Thus it makes institute practices transparent at all levels such as Management, administration, financial and Academic practices. The governing council is apex authority which monitor and implement rules regulations and to delegate the process to various bodies like AC, IQAC, BOS, BOE and FC for to look in to activities and smooth functioning. The academic and administrative body of TKIET practice a culture of participative management by involving faculty members, student alumni's, employees in various committees. To support and monitor co curricular and extracurricular activities of the students institute has more than 10 committees at department level as well as at institute levels. The committees composed of faculty students and external members who participate in effective implementation of these activities.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institute have a strategic plan as per a quality policy confirming to its Vision and Mission. In the preparation of strategic plan top management and IQAC is involved. Aspects like new courses, additional intake, infrastructural development, welfare schemes extra will be decided by top management. While IQAC decides quality check system to be followed - feedback, academic audits, accreditation. The quality improvement strategies for following aspects will also be decided along with its implementation plans

- Teaching learning
- Mode and conduct of examination
- R and D activities
- Industry e internships
- Human Resource Management
- Community engagement

Using TKIET library activity is one such a strategic plan activity which ensures the use library resources activities as per strategic plan

All the library books have coded and automated using PURNA-library-management applications. Apart from comprehensive collection of books the library also offers various vital services like

- Digital library
- e-books and journal services
- Free book banks in to all students
- Newspaper clipping services
- Best Raider award schemes
- Best reviewer award schemes

- Reference book services
- Plagiarism checking services
- INFLIBNET, NDIL and other nationally recognised library.
- Separate reading hall study room facility for boys and girls
- Old question paper Bank facility to students
- Separate departmental libraries as an immediate source of reference

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Tatyasaheb Kore Institute of Engineering and Technology has been established in 1983. It has a Governing body to monitor and achieving the vision and mission of the institution. It has an effective organizational structure which monitors and improves the institution. The organizational structure of the institution is given below.

Organizational Structure:

The institute is run by the trust SWVSM. The trust has constituted governing body for the institute consisting of members from AICTE, UGC, DTE and university. Principal heads the academic and administrative departments and acts as an interface between management staff and students. The governing body has approved TKIET handbook of rules regulations and responsibilities from academic year 2020-2021 which covers the rules and regulations for appointments, services rules and procedure for staff discipline, rules and responsibilities , campus code of conduct, general guidelines etc.

As per organizational structure power has been decentralised to Dean, HODs, COE (Control of Examiner), registrar etc. These officers execute the power for transparent smooth functioning of activities under following institutional bodies like Academic

council, IQAC, BOS, COE etc.

The basic structure of organisational management is prepared as per the guidelines of UGC, AICTE, DTE and the university. The organisational functions and powers are also being governed as per the rules and regulations of Apex bodies.

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institute effectively implements various welfare schemes for its teaching and non-teaching staff regularly those are.

1. EPF
2. Group Insurance
3. Gratuity for the employees of the institution.
4. Safety shoes, aprons and uniforms for Non-teaching staff.
5. Concession in tuition fees for children's of employee.
6. Dividends' and Diwali gifts vouchers through credit

society.

All the teaching and non teaching staff benefitted by above schemes.

Maternity leaves and study leaves extra for eligible staff. Financial assistance for paper Publications, attending workshops and training programs by the industries. Scholarships for wards for the staff for securing highest marks. Standardized rent for staff members staying in staff quarters. Women Empowerment Cell is established for creating venues for women members to flourish and gain momentum. In a nutshell, the Institution strives hard to keep our staff happy and healthy. Motivation through counselling is also available for staff members to create a healthy working environment. This not only increases the work life balance of the employee, it also helps us in increasing the productivity and allows our staff to work effectively with complete satisfaction. Skill development courses are organized for non- teaching staff to enhance their skills in work environment.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

45

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

118

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

TKIET regularly conducts internal and external financial audits. It has a full-time Treasurer and Accounts Department since inception to ensure maintenance of annual accounts and audits.

Internal audit is voluntary appraisal activity undertaken to provide the assurance over effectiveness of internal controls, risk management and governance to facilitate the achievement of organisational objectives. Internal audit is covered our activities like

- Monitoring internal controls and proposing improvements
- To monitor the compliances of laws and regulations of trust
- Monitoring the instances of any wrong practice if any.
- Verifying necessary financial information Institute follows audit system regularly

in first phase trimonthly audit is done as internal audit. The auditors are appointed by governing body. The external audit is

done once in a year. This external audit is done by a chartered accountant firm. The findings of internal audits will be discussed with the trust account officer and actions are taken to resolve discrepancies if any. Through the audit the balance sheet along with the audit report is submitted to the trust authorities for review. The audited balance sheet is put before the finance committee and governing body for approval. As the use auditable financial sources is effectively monitored there major financial objectives pointed out hence confluences does not arises

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

27.2

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The major sources of receipts for the institution is through the tuition fees and other fees paid by the students. This fees are being approved by fees regulating authority under State Government of Maharashtra. Students those are taking the admission to the institute have apply for various scholarship schemes those are

- Scholarship to reservation category and economically weaker students. this accounts are around more than 95% total total scholarship received
- Tatyasaheb Kore Sahakari Sakhar karkhana members children's scholarship
- Late Shrimati Shobhatai Kore scholarship for meritorious as

well as poor students

- TKIET alumni scholarship for meritorious as well as for poor students

At the beginning of the year financial provisions required for day to day functioning and development activities are from the each department. Based on this account section prepares the budget and puts for scrutiny and approval from finance committee. Then finance committee puts it in front of governing council for its final approval. All purchase are made with a recommendation of purchase committee. All the collections are deposited in bank. Every expenditure recurring or non recurring transactions through bank by online payment or by cheques. Every transaction is supported by vouchers.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC of TKIET has a very active functioning body and is composed of dynamic members from the teaching fraternity, industry, alumni, and scholar students.

In order to enhance the quality of the initiatives in all spheres, a number of quality initiatives have been adopted by the IQAC.

TKIET IQAC reviews its quality policies from the beginning of the implementation of autonomy into its curriculum structure, examination cell, admission activities, and development of other infrastructure facilities. Out of many quality initiatives, the following are the two major practices institutionalized as an initiative of an IQAC for this academic year

1. Incorporation of Industry representatives in curriculum

design in the Board of Studies structure

As per IQAC guidelines, the Board of Studies (BoS) of each program has to invite external members, three representatives from different industry-relevant programs, and one representative of a senior academician from the institute of national repute.

These representatives have given the freedom to give suggestions for curriculum reform on the subject that have immediate industrial relevance and impact.

A Major focus of the curriculum to be on skill development among the students and hands-on practicals as per the need of the industry for the next two years

1. Appointment of department wise placement coordinators under TPO to enhance the training and placement activity

A quality initiative for improving placement with MNCs and Higher Package, the values of students in terms of soft skills / technical skills is to be improved. In this connection, a dedicated placement coordinator from each department is appointed to carry out these activities. These placement coordinators adopted the different training modules from the third semester till the seventh Semester.

Special Training programs on skill improvement will be continuously organized during weekends/ holidays even in the late evening as additional efforts for the quality placement initiatives

1. Verbal / Nonverbal Communication
2. Group Discussion
3. Letter Writing / e-Mail writing
4. General Aptitude
5. Technical Aptitude
6. Mock Interviews by alumni

Institute got the good results from these activities in this academic year and achieves better placements status.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process. The Academic Calendar is prepared in advance, displayed and circulated in the Institute and strictly followed. Admission to various programmes, summer, winter and mid-term vacations, examination schedule and declaration of results are notified in the Academic Calendar. All newly admitted students have to compulsorily attend the Orientation Programme, in which they are made aware of the philosophy, the uniqueness of the Education system, the teaching learning process, the system of continuous evaluation, compulsory core courses, various co curricular activities, discipline and culture of the Institute. The major initiatives taken over include the following:

- Automation of Admission Processes - Provision for online fee payment

- Automation of Examination Processes

- Curriculum Development Workshops in many subjects

- Green initiatives in Campus - tree plantation,

Biogas plant, solar photovoltaic power plants,

- MoUs with prestigious Institutes, Universities, Govt. agencies

- Application for NIRF, ISO and NBA Certifications

- The ISE and ESE examination question papers are prepared with CO-PO mapping. It helps to

find out the attainment level of the students. Also the modification is done in examination

scheme from 30-70 to 40-60 pattern.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	No File Uploaded
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

One of the most pressing issues confronting society today is gender equality. Gender equality is promoted on a daily basis at the institute.

The institute has a clear gender independent policy with regards to the curricular, co-curricular and extra-curricular activities. Institute makes sure participation of girls with boys in NSS, NCC, Sports, AFPI, and all curricular activities. In all girls have equal opportunities in all the endeavors. Guest speakers

from a variety of fields are asked to talk on the issue, which emphasizes the significance and contribution of women in society.

The following is a list of the institution's gender equity promotion programmes: The TKIET has a strong ethical work culture that is inclusive. In all of its operations, it follows the highest ethical standards. Gender, race, caste, colour, creed, language, religion, political or other opinions, national or social origin, property, birth, or other status are all given equal opportunity. TKIET's primary concerns include safety, security, and well-being, as well as gender equity and a pleasant workplace environment.

Institute carried out various activities for strengthening gender equity like celebration of International Women's Day and many others.

1. Safety and Security

- Security guards are stationed all over campus and are well-trained and observant.
- All campus entrances and exits are subject to security checks.
- Faculty members are assigned to a rotational duty for discipline and security, which is monitored 24 hours a day, seven days a week.
- Anti-ragging and anti-smoking campus policies are strictly enforced.
- Through street plays, rallies, and camps, NSS and NCC student volunteers raise awareness about women's safety and gender sensitivity.
- Separate hostels for men and women with dedicated wardens
- As indicated by Stakeholder Feedback, the Institute is the preferred destination of parents for the education of their female wards.

1. Counseling

- A Guardian is allotted to each practical batch for official and informal counseling for academic and other issues/problems.
- Class Coordinator and Committees are available for counseling of both males and
-
- Grievance Redressal Committees for students for males and females

- Medical Counseling, Moral Counseling, Career Counseling through various camps.

Common Rooms:

- Men and women have separate common spaces in all Departments, which make meetings and talks easier.

Any other relevant information

- In its endeavors to consistently achieve its vision and goal, TKIET has been successful in balancing the needs of its various student and staff populations. This is also demonstrated by the regular input received from all of the stakeholders.

Additional steps guarantee that students actively participate in co-curricular activities, such as sports, paper presentation and model making competition.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

TKIET is committed to generating less trash and recycling it by putting it through a mechanism that allows spent materials to be reused, hence conserving natural resources.

Solid waste management

The solid waste in the form of leaves, fruits etc. is collected and used for vermiculture and composting plants. Dustbins of suitable capacities are provided in each cabin, laboratory, office, canteen etc. to facilitate smooth collection. The College has contacted a recognized vendor who collects waste from the designated location, sorts it, recycles it, and disposes it.

Liquid waste management

There are two kinds of liquid waste produced by the College:

1. Sewage waste AND Laboratory, cafeteria effluent waste

The above waste is taken to the two wells and the water is used for watering the garden.

E-waste management

Old computers and equipment are sold to licensed vendor and college strictly follows old buy back scheme. Unused discs are given to schools as per the requirements for decorative and "Best from Waste" purpose. Electronic garbage that cannot be reused or recycled is disposed of centrally by government-approved suppliers.

Hazardous chemicals and radioactive waste management

In the Chemistry laboratory various experiments and projects are carried out in which a number of carcinogenic and hazardous chemicals as well as bacterial samples are used. Safety instructions are displayed to avoid the mishaps in these laboratories. After the use of hazardous chemicals, all the equipment are heated in the autoclave at 1210 C temp and 15 lbs pressure for 20 mins. Hazardous matter is carefully disposed in the disposal pit.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	B. Any 3 of the above
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File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:	B. Any 3 of the above
<ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>C. Any 2 of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution creates an inclusive environment for everyone, promoting tolerance and harmony in the face of cultural, regional, linguistic, community, socioeconomic, and other differences. Students who are belonging in minority category like Muslim, Christian, Buddhist, Sikh, Parsi, Jain, Maratha, Brahmin etc have been equally treated and provided with equal opportunities to nurture their education skills. Institute has Inclusive strategies where all the facilities are available to every type (category) of students. Also to maintain the harmony between diverse group students institute organizes Sports, Cultural and Commemorative days like Get together, Ganesh Festival, Shivjayanti, Navratri, Traditional Day, (Mr. & Ms. Parampara Competition), maker sankarnti , Women's day, Yoga day and Social Annual Function. In the institute, there are many grievance redressal cells, such as the Student Grievance Redressal Cell and the Internal Complaints Committee, which deal with complaints without regard to anyone's race or cultural background. The institute has a code of ethics for students as well as a separate code of ethics for teachers and other staff, both code of conduct must be followed by all personnel, regardless of their cultural, geographical, language, communal socioeconomic or other differences. All these facilities to the students are provided irrespective of their caste, creed, color, sex or socioeconomic background.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

TKIET is proud of the fact that, in addition to establishing a solid academic foundation for its students, the college is always working to help them grow as better citizens of the country. In this regard, the institute, in addition to providing professional legal education, fosters a sense of community among the learners through various practices and activities. The College celebrates Independence Day & Republic Day with great pomp and vigor.

In the syllabus of first year degree students, there is an Audit course (subject), Democracy Election and Good governance for 1st Semester. The course (Democracy, Election, and Good governance) improves the sensitization of students of the Institute to the constitutional obligations.

The syllabus of the audit course helps to improve the values, rights, duties, and responsibilities of citizens according to constitution of India.

In the 1st year 1st semester of engineering, this audit course has MCQ type exam having a maximum of 50 marks. There are 25 MCQ-type questions and each question of 2 marks. Students get the institutional certificate signed by the principal after passing this exam.

By studying this audit course students get the knowledge of democracy. At the same time, they become curious about the constitution of India and aware of Socioeconomic responsibilities towards the nation. In a real way, they understand the importance of voting in elections and the right of voting after the age of 18 years. Also by studying this course they desire good, smart, and e-governance in the government. As result students who get success in competitive exams dare to implement smart and e-governance when they join the services.

Also, in the Student Induction Program of First Year Students, Guest Lectures are organized on Constitutional Values.

In this manner, students get constitutional awareness and responsibilities by studying this audit course.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

C. Any 2 of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Independence Day-15 August

Independence Day commemorates the end of British rule in India in 1947 and the birth of a free and independent country. Every year, TKIET commemorates Independence Day. The Administrative Officer hoists the flag and delivers a speech to the students and staff on the significance of Republic Day.

Teachers Day: 05 September

Teacher's Day is recognized to celebrate the difficulties, sacrifices, and unique role that teachers play in our lives. Teachers Day is one such event that both students and teachers anticipate. Teachers Day is organized by students from all departments, who assist faculty members and conduct a few events.

Engineers Day: 15 September

Engineer's Day is commemorated to recognize our country's engineers and to honor their accomplishments in all fields of science and technology. Engineers play a critical role and contribute to a country's economic prosperity and development. InTKIET, students organize various activities on Engineers Day.

Mahatma Gandhi Jayanthi: 02 October

Mahatma Gandhi Jayanti is an event celebrated in India to mark the birthday of Mahatma Gandhi. It is celebrated annually on 2 October. TKIET celebrates Gandhi Jayanthi every year and remembers the significant role played by Gandhiji.

Republic Day: 26 January

Republic Day commemorates the date on which India's Constitution took effect on January 26, 1950. Every year, TKIET celebrates Republic Day. The Administrative Officer hoists the flag and delivers a speech to the students and staff on the significance of Republic Day.

International Women's Day: --- March, 2021

On occasion of International women's day Department of Computer science organized

Social awareness activity in association with TKIET Women Cell. CSE students have organized a "Street play show on SAVE GIRL CHILD". This event started at 4 pm near central Library of TKIET. Total 17 students are participated in this show. Duration of this show was 20 mins. Our honorable Principal Dr. S. V. Anekar and TPO Dr. S. T. Patil were present for this show. Through this show students have given a nice message to the audience about save girl child. "Women are the most important section of the society and equally participate in the life existence on the earth. However, regular decrease in the sex ratio of female in India

because of the crimes against women, it has created the fear of total finish of women. So it is very necessary to aware people greatly about the save girl child." They have also created awareness about Government of India has taken some positive steps regarding save girl child such as protection of women from domestic violence act 2005, ban of female infanticide, immoral traffic (prevention) act, proper education, gender equality, etc. Our students performed their roles very effectively during whole show. Principal sir and TPO sir appreciated our students.

International Yoga Day-21 June 2021

Spreading growth, development and peace throughout the world. - Making people aware of physical and mental illnesses and providing solutions through yoga. - It also aims to develop a habit of meditation for peace of mind, self-awareness which is necessary to survive in a stress-free environment. TKIET encourages yoga activities and Sports Department organizes a small workshop on Yoga and its significance to students and Faculty Members.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Title of the Practice

Teacher- Guardian Scheme

2. Objectives of the Practice

- o To enable students to get an insight into their potentialities, strengths and weaknesses for learning.
- o To identify special learners such as creative and gifted

and cater to their needs.

- To identify the weak students and diagnose their learning difficulties and organize remedial measures.
- To identify students who have problems of adjustments and help them to resolve the same.
- To inculcate proper values, habits, attitudes, and temperaments for studies and work in studies.
- To assist in developing interpersonal relationships among students.
- To assist students in maintaining sound and integrated health.

3. The Context

The Counseling services in TKIET are a part of the academic requirements. The Management upholds its philosophy reflected in its Motto: Excellence and Service, and imparts education of the highest quality in the Technical services and related professions, instilling Human, Ethical, and Spiritual values, with the help of Counselors. To achieve the goal of the institution to the fullest level, the guidance and counseling services are essential and it will be offered through the counseling office, for the students to help them make proper adjustments with environment in which they are living and for optimum achievements and also adequate adjustment in varied life situations. This is to enable the students to succeed in their educational plan and to be consistent with their abilities, interests and goal.

4. The Practice

The HoD of the Department in consultation with Guardian Coordinator appoints one faculty member as a Guardian for a batch of 21 to 25 students. The faculty member tracks the overall development of the students. Moreover, he/she conducts meeting on regular intervals for checking the progress of the ward in academics. One of the motif behind this activity is a student should feel home like atmosphere at the institute. Guardian not only take care of academic things but he/she id always there for personal problems too.

5. Evidence of Success

Following counseling, students' attendance has improved. The Student-Teacher relationship was strengthened as a result of Guardian's communication with the students. Students' academic

performance increased slightly. Participation of the students increased in extracurricular activities. Students become more focused on achieving their goals.

6. Problems Encountered and Resources Required

New faculty members in the department require time and guidance to grasp the significance of the Teacher- Guardian Scheme. Orientation is required for such faculty members. Due to time restrictions, faculty members have difficulty engaging in one-on-one interactions. The majorities of faculty members, on the other hand, recognise the value of this plan and enjoy participating in it.

7. Notes (Optional)

Best Practice weblink :

<http://tkietwarana.ac.in/upload/naac/Best%20Practices/Best%20Practices%20of%20the%20Institute-2122.pdf>

File Description	Documents
Best practices in the Institutional website	http://tkietwarana.ac.in/upload/naac/Best%20Practices/Best%20Practices%20of%20the%20Institute-2122.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Honorable Shri Late Tatyasaheb kore a visionary leader and father of Warana industrial and educational co-operative moment after who the college is named with an objective that "Charity is to serve society through the development of education, industry and the poor farmers". True to this prophetic statement this 39 years old institution has emerged as one of the premier institutions of higher learning in Maharashtra not only has the college continually serves thousands of needy students from the region but also has a long-standing tradition of academic excellence. The college is most sought after by students belonging to all demographics. The demand is due to the quality and facilities for

the pursuit of higher learning, dedicated and experienced teaching faculty and state of art infrastructure.

The college is situated at the footstep of Deccan hills with the divine blessings of lord jyotirlinga the 47acre lush green campus of T.K.I.E.T provide serene and peaceful atmosphere and compliments the academic and extracurricular activities of the students to the full potential. After striving for 39 years continuously for curricular

Excellence by incorporating extraordinary digital platforms it has now become an autonomous institute from the current academic year. Commensurate to its vision statement institute is now poised to produce its graduates who are "Locally rooted and globally competent" engineers under Autonomous culture". The institute has accepted the challenges of autonomous status and devised the system to connect every student with the industries and societal needs. The unique feature of the curriculum in the autonomous system is well stood on four pillars those are 1. Acquiring knowledge than marks. 2. Inculcation of Soft Skills among the students. 3. Exposure to Industrial practices with strong industry connected credits. 4. Audit/Credit mandatory to participate in co curricular and extracurricular activities. With the above, these foundation pillars institute continuously strive for curricular excellence and produce the graduates to suit the needs of the 21st century.

File Description	Documents
Appropriate link in the institutional website	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Engineering drives innovation through the new processes and Technology, hence forestry innovation is an important goal of Engineering Education. In this line. TKIET has created conducive environment for progressive implementation of its Autonomy.

The institute is currently, undergoing first year of its Autonomy. So, it has been decided to implement following Academic, Administrative and Infrastructural reforms for its smooth functioning.

- Establishing a fully-fledged separate examination cell

- Creating well-furnished offices for CoE, Strong Room, Question Paper Printing Section and Assessment centre.
- Appointing Clerical and supporting staff for the examination section.
- Conducting Industry-Institute Interaction sessions for revising the curriculum.
- Establishing an Advanced Concrete Technology lab in Civil Engineering Department.
- Providing peripherals and Audio-Video facilities in each classroom for the virtual teaching-learning process.
- Preparing an action plan to enhance Industry-Institute Interaction through MoUs with industries like TCS-IoN, NICMAR, Galaxy Surfactants, C- DAC etc.
- To initiate Advanced Training Programs for enhancing students recruitments through AWS certification, TCS-NQT etc.