



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY, WARANANAGAR
Name of the head of the Institution	Dr. Sunil V. Anekar
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02328224012
Mobile no.	7798885025
Registered Email	principal@tkietwarana.ac.in
Alternate Email	principal.naac@tkietwarana.ac.in
Address	Tatyasaheb Kore Vidyanagari, A/P: Warananagar
City/Town	Tal: Panhala, Dist: Kolhapur
State/UT	Maharashtra
Pincode	416113

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		private			
Name of the IQAC co-ordinator/Director		Prof. Gautam S. Kamble			
Phone no/Alternate Phone no.		02328224012			
Mobile no.		9922807615			
Registered Email		gskmech@tkietwarana.ac.in			
Alternate Email		iqac@tkietwarana.ac.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		<a href="http://www.tkietwarana.ac.in/NAAC/details.aspx?title=AQAR">http://www.tkietwarana.ac.in/NAAC/details.aspx?title=AQAR</a>			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		<a href="http://www.tkietwarana.ac.in/NAAC/details.aspx?title=Academic%20Calendar">http://www.tkietwarana.ac.in/NAAC/details.aspx?title=Academic%20Calendar</a>			
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.27	2016	05-Nov-2016	04-Nov-2021
6. Date of Establishment of IQAC			02-Jul-2013		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries	

Regular meeting of Internal Quality Assurance Cell (IQAC) during this period	18-Jul-2019 4	15
Organized for National level seminar on Design and Development of the Curriculum to Enhance the Quality of Outcome Based Education sponsored by NAAC	07-Dec-2018 2	54
AICTE Development Schemes for Students, Faculty and Institutes under AICTE Quality Improvement Schemes	24-Dec-2018 1	73
<a href="#">View File</a>		

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
IQAC	Organization of NAAC Seminar	NAAC	2019 2	100000
Chemical Engineering	Rural Technology Development	IITB- TATA Centre, Mumbai	2019 1460	2300000
Applied Science	CBCS	Shivaji University, Kolhapur	2018 1	15000
TKIET, Warananagar	Lead College	Shivaji University, Kolhapur	2018 365	256970
TKIET, Warananagar	Lead College	Shivaji University, Kolhapur	2019 365	628000
Civil Engineering	Unnat Bharat Abhiyan	IIT, Delhi and MHRD	2018 365	50000
Civil Engineering	Research Sensitization Scheme for UG Projects	Shivaji University, Kolhapur	2018 365	10000
Faculty Development Program on Student Induction Program	Induction Program	AICTE	2018 3	226067
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	Yes
If yes, mention the amount	100000
Year	2019
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	
Submission of proposal for inclusion of college under section 2f and 12 (B) of UGC Act 1956. Dated 8th October 2018. It was accepted and approved by UGC and sanctioned on 9th September 2019.	
Participation in AICTE CII Survey 201920 of best industry linked institute. The submission was done on 31st August 2019. The results were declared on 14th November 2019. The institute is placed under Platinum Category.	
Established Institute Innovation Council (IIC) as per the Norms of Innovation cell, MHRD, Govt. of India on date 21st November 2018	
Systematic and Effective Implementation of CBCS system for F. Y. B. Tech. and S. Y. B. Tech courses which is newly introduced by Shivaji University, Kolhapur for Academic year 201819 for all affiliated colleges.	
Applied for Ph. D. Research Center in Department of Mechanical Engineering to promote the research culture in department. The Local inquiry committee visited the institute for this. Result is awaited from university	
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<b>13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year</b>	

Plan of Action	Achievements/Outcomes
Preparation and Execution of Academic Calendar for Semester I and Semester II. It is made available on the institute webSite	Activities are performed according to the Academic Calendar. It helps to conduct the teaching learning process very smoothly throughout the year
Effective Implementation of CBCS system for F. Y. B. Tech. and S. Y. B. Tech courses	Student centric teaching learning process is enhanced. The performance of students in university exam is improved.
Some new admission policies for academic year 2019-20 were decided	Improvement in overall admissions as compare to previous year
Application for inclusion of college under section 2f and 12 (B) of UGC Act 1956	The certificate was received on 9th September 2019 from UGC. The institute become eligible for getting grants from UGC and also for acquiring the autonomous status to institute
Systematic policy was made to improvement in placement by TPO	For academic year 2018-19, the highest placement was done by the central training and placement office. There were placement of 250 plus students
Mentoring the Non - Accredited Institute on instruction of NAAC office	Ten non accredited colleges are selected for this. Th Institute has provided the guidance for preparation report for NAAC accreditation and to apply for same
Apply for NIRF and AICTE-CII survey industry linked technical institute -2019	Institute received Platinum category under AICTE-CII survey
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
College Development Committee (CDC)	15-Jan-2020

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
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Date of Visit	29-Apr-2019
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2020
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Date of Submission	31-Jan-2020
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<p><b>17. Does the Institution have Management Information System ?</b></p>	<p>Yes</p>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>Management Information System (MIS) is adopted by the institution to collect the information of various departments and analyze it to prepare the future plan for development and quality enhancement. MIS focuses on broad categories related to Teaching Learning Process, Performance indicators in terms of examination results and placements, training activities imparted, performance and efforts taken by faculty members for self and academic development. The MIS also addresses the RD activities undertaken by faculty members and students. The major objectives of MIS implemented for the institute are 1. To monitor and enhance progressive academic and administrative performance of each department. 2. To promote teaching and learning activities 3. To ensure enough conduction of co curricular and extracurricular activities 4. To focus more on performance indicators in terms of results and effective placements of students. 5. To promote faculty members and students for undertaking RD projects, publications, and participation in Technical symposium/conferences Quality Parameters of MIS addressed by the institute are designed in such a way that every department can oversee its performance periodically and take the action on the areas where they need for better performance and overall improvements. The major parameters under consideration are teaching and learning methodology, Training and placement activities and efforts, cocurricular and extracurricular activities, social activities, efforts undertaken for enrollment of students, interactive meetings with stakeholders, and Research, Development and Consultancy undertook by faculty of the department. The information are collected from each academic department at the end of every month in softcopy as well as hardcopy form. The information submitted is combined together for each quality parameter and emphasis given on analysis of weak areas. Outcomes: MIS has provided</p>

administrators and teachers with the information required for informed planning, policy making, and evaluation. MIS have helped the institute in the areas of quality procedures in Teaching/learning, decision making, human resource management, communication, responsibility, and planning and execution, etc. This MIS system can assist the management in determining the aims of the institute, formulating strategic plans, distributing resources, and evaluating staff performance as well as organizational success. MIS has made entire procedure very easy for formation of documentations as well as reports in the required format during different inspection committees visit to institute. MIS also helps to plan the activities to interact with outside world to provide the social services for people in and around the institute regions.

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

As institute is affiliated to Shivaji University, Kolhapur, curriculum designed by university is used for all programs. Curriculum and academic activities schedule are made available well in advanced at the beginning of the academic year by University. It contains term start date, co-curricular programs list, term end date, examination dates etc. It is mandatory for institute to follow the term start and examination schedule of university. But Institute also prepares its comprehensive academic calendar for every semester. A special committee is constituted for this task. The calendar is presented in IQAC meeting to take approval for its execution. At same time, these all activities are presented by the principal in term start meeting. The main intention of meeting is to inform all activities planned in academic calendar and to take some suggestions for its better implementation. This activity is further followed by the preparation of departmental activity plan. Then these calendars are made available on the website for all stakeholders such as students, parents, etc. Subject allotment to faculty is done in advance and faculty of respective subject is instructed to prepare teaching plan for lectures and practical hours for current year. It is prepared by considering number of parameters like difficulty level of subject, previous results, students' quality etc. This teaching plan evaluated by HOD & suggest some corrections if required. This plan helps to deliver curriculum appropriately and makes it more easy, effective and beneficial for all students. The institute has all ICT based classrooms, where faculty can use all ICT based tools such as LCD projector, PPT, Video lectures, internet, Software's etc. Some smart class rooms are also available in every department where more facilities are provided

such as Laptop, Tablets, Smartphones, Moodle based submission etc. This teaching learning approach enhances the understanding and grasping level of students due to visualisation of concepts. Well-equipped laboratories are available for all courses to give actual practical, experimental knowledge and hands on experience to students. Department and central Libraries are available in institute with large number of volumes, latest journals, e- journals etc, so that students can take maximum benefits for their studies. To check curriculum delivery, academic audit system is designed. Two academics audits are arranged per semester wherein third person takes the review of teaching process in various aspects. The audits and feedbacks are analyzed and corrective actions are taken by the HOD's, Principal, to improve the faculty teaching performance. Academic Co-ordinator is appointed in each Dept. along with Head of Department whose main task is to monitor and co-ordinate activities related to curriculum delivery in the respective departments. To check performance of students, two unit tests are conducted in the semester. The result and monthly attendance are sent to students and parents through SMS. At the end of semester, final practical and theory examinations are conducted by university. Outcome based education approach is also adopted. Delivery of curriculum is also supported by Effective Moodle platform Nodal center for virtual lab Industrial visits Faculty and student training programs

### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
PDMS AVIVA in Chemical Engineering		09/02/2019	7	employability 3 students were placed in Tata Consultancy, Mumbai	Skill Piping design and development of P and ID
Latex for Students , Engineering Scientist		24/09/2019	90	employability and higher Studies	Report Writing and Documentation skill is developed
O2 Breathing Brains		20/05/2019	30	employability	Aptitude and interview skill are developed
PDMS AVIVA in Mechanical Engineering		22/07/2019	7	employability 8 students were placed in Tata Consultancy, Mumbai	Skill Piping design and development of P and ID
Paradigm CAD Academy, Pune		07/01/2019	7	employability	Skill of 3D modeling is enhanced

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		



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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Chemical Engineering	21/07/2018
BTech	Computer Science and Engineering	21/07/2018
BTech	Electronics Engineering	21/07/2018
BTech	Civil Engineering	21/07/2018
BTech	Mechanical Engineering	21/07/2018
Mtech	Mechanical - Design Engineering	24/09/2018
Mtech	Chemical Engineering	24/09/2018
Mtech	Electronics Engineering	24/09/2018
Mtech	Civil -Construction Management	24/09/2018

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

	Certificate	Diploma Course
Number of Students	323	0

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Environmental Studies	25/09/2019	613
Democracy, Election and Good Governance	15/01/2018	352
Professional Communications - I/II	21/07/2018	352
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	In Plant training for Mechanical Engineering	180
BE	In plant training for Civil Engineering	190
BE	Internships training for Chemical Engineering students	53
BE	In plant training for Electronics Engineering	10
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### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The feedback is collected offline/online at various levels from all stakeholders such as Students, Parents, Employers, Alumni and Parents related to curriculum development and quality of teaching learning process. These feedbacks are analysed through well-defined mechanism and discussed in departmental meeting, principal's meeting to decide the action plan. Finally action plan is put in the IQAC meeting for approval and its execution. Suggestions are directed to following bodies for executions as follows

Curriculum development: Informed to university Teaching learning process: Department Advisory Board Reforms in academic system: IQAC Infrastructural Development: College Development Committee Feedback Mechanism: Students Feedback: The Student academic feedback exercise is usually conducted twice in a semester as mid-term feedback and end term feedback. In this process, instructor provides feedback forms for each student and student will give their opinions and suggestions about teaching learning process of different subjects. These feedback forms contain various questions related to subject information delivered by faculty, teaching methodology, communications, syllabus coverage etc. Thereafter, instructor collects all the feedback forms and analyses the same and submits the report to the head of department. The feedback report is communicated to individual faculty in due time and appropriate counselling, guidance or action taken is done by the academic co-ordinator and head of department, if necessary. Students also participated in syllabus revision workshop and give their feedbacks for curriculum revisions during workshop. The exit feedbacks are also taken from students after completion of the program. These feedbacks help to enhance the overall performance of institute. Parents Feedback: Every department organizes the two parents' meets in a year. During this, two feedbacks are conducted. First is related to general as well as infrastructural facilities provided to students by institute and second belongs to outcomes based education which addresses the twelve graduate attributes of teaching learning process. Industry Institute Interaction (III) cell conducts workshop every year where the personnel from different industries are invited to guide the students. These all industry persons give the feedbacks on curriculum development and overall institute progress. Through Training and Placement Office (TPO) feedback of employers are also taken during campus placement drives. Institute arranges two alumni meet in a year during which feedback are collected from alumni. The online feedback system is also available for alumni in which they can give their opinion from anywhere about institute and academic activities. The feedbacks related with implementation of outcomes based education based on graduate attributes are evaluated by IQAC and instructed to department to take appropriate steps. The suggestions obtained from curriculum development feedback are communicated to University which will be then considered during syllabus revision workshop. Academic feedback are analysed at department level by Department Advisory Board (DAB), academic co-ordinator and head of department. Then action plan is made to solve the problems identified from feedbacks. Suggestions given about infrastructural development through all feedbacks are discussed in college development

committee.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Computer Science and Engineering	180	167	167
BTech	Civil Engineering	180	53	53
BTech	Mechanical	180	78	78
BTech	Chemical	60	60	60
BTech	Electronics and Telecommunication	60	43	43
Mtech	Construction Management (Civil)	18	15	15
Mtech	Chemical Engineering	18	18	18
Mtech	Electronics and Telecommunication	18	3	3
Mtech	Mechanical Engineering (Design)	18	18	18

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### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2216	106	112	12	124

### 2.3 – Teaching - Learning Process

#### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
124	91	5	13	7	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The Institute has been following a Student Mentor System in each of its departments aiming for following goals: • To identify the students who require immediate help/attention/counseling/guidance, • To help average and below average students to perform better in academics, • To focus on the attendance of students. Students of each class are grouped in a batch of 20 and every batch is allotted a faculty mentor who maintains a standard Mentoring / Counseling form with details like personal information, parents name, addresses, contact numbers, Academic details like FE to BE Unit Test Marks, Monthly Attendance, University Examination Results, and Co-curricular and Extracurricular activities. Regular counseling meetings are conducted twice a month to take follow-up of these details. During these meetings, Faculty mentor encourages the students to participate in co-curricular, extra-curricular and other professional activities, which motivate them and improve their personality.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2322	124	19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
124	124	0	9	17

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. S. V. Anekar	Principal	Best Principal award, Shivaji University, Kolhapur
2019	Prof. G. S. Kamble	Assistant Professor	Project Competition ISTE _NIT Kozikode
2018	Prof. K. D. Joshi	Assistant Professor	PG Teacher Recognition, Shivaji University, Kolhapur
2018	Prof. A. S. Chavan	Assistant Professor	PG Teacher Recognition, Shivaji University, Kolhapur
2018	Prof. M. V. Jadhav	Assistant Professor	PG Teacher Recognition, Shivaji University, Kolhapur
2018	Prof. K. N. Kamble	Assistant Professor	PG Teacher Recognition, Shivaji University, Kolhapur
2018	Dr. S. V. Anekar	Principal	CSI Best Principal Award

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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	Mechanical	2	13/05/2019	03/07/2019
BTech	Computer Science and Engineering	2	13/05/2019	03/07/2019
BTech	Civil Engineering	2	13/05/2019	03/07/2019
BTech	ETC	2	13/05/2019	03/07/2019
BTech	Chemical	2	13/05/2019	19/07/2019
BTech	Applied Sciences	2	13/05/2019	03/07/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As per Choice Based Credit System (CBCS) of Shivaji University, 30 marks are allotted for Continuous Internal Evaluation (CIE) in each subject. Under CIE, three Unit Tests are conducted (one test every month) and marks obtained in these tests are averaged and are considered as CIE marks of respective subject. For Term Work, 25 marks are allotted for each subject. An experiment or an assignment is conducted every week for 2 hours and assessment of this experiment or assignment is carried out in next week during practical hours. As per performance of student for respective experiment or assignment, marks out of 5 are given by faculty for each experiment or assignment. Considering the marks obtained in each experiment or assignment, total marks are evaluated and marks out of 25 are given for Term Work. Various evaluation reforms initiated by the Institution are as follows:-

- University has initiated Choice Based Credit Based System (CBCS) and the Institution has implemented CBCS pattern for all the programs of UG and PG,
- The institute conducts three Unit Tests for CIE. Each test covers two units from the syllabus,
- Institute practices to submit the marks for Term Work, Practical Oral Examinations and CIE, online through the portal made available by Shivaji University.

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

Before the commencement of academic year an academic calendar is prepared by the institute which is strictly followed. It includes each and every activity with proper balance in all respect and scheduling. The academic time tables are prepared in accordance with the University syllabus structure which includes Lecture, tutorials and practicals sessions to meet learning outcomes. Monthly follow up of syllabus coverage is taken in departmental meeting. Institute has structured research committee at department level with the objective to develop research environment to motivate faculty and students to get actively involved in research projects. Three Unit Tests are conducted in every semester covering two units cumulatively as set in University syllabus. Marks obtained in these tests reflect in marks of CIE in proportion. As per academic calendar every department organizes Parent Teacher Association Meet and Alumni Meet. During these meets, feedback is received from these external stakeholders. NSS Camp,

Annual Sports, Annual social function, EUREKA-Paper presentation Competition, JIDNYASA-Project competition and other extra and Co-curricular activities are organized as per academic calendar to enhance various skills of students.

## 2.6 – Student Performance and Learning Outcomes

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

<http://www.tkietwarana.ac.in/NAAC/details.aspx?title=CO%20PO%20of%20Different%20Programs>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Mechanical Engineering	BE	Mechanical	190	167	87.89
Computer Science and Engineering	BE	Computer Science and Engineering	84	82	97.02
Civil Engineering	BE	Civil Engineering	195	180	92.30
Electronics Engineering	BE	Electronics	23	22	95.65
Chemical Engineering	BE	Chemical	72	65	90.28
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## 2.7 – Student Satisfaction Survey

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

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

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	IIT TATA Center for Technology and Design	0	23
Minor Projects	1	IIT Delhi	0.5	0.5
Industry sponsored Projects	3	1.SP Concare Pvt. Ltd.Sangli 2.Nirman Traders Nave Pargaon 3.Chitamani Kadegaon	0.15	0.15

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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Mechatronics	Mechanical Engg.	29/01/2019
Interaction of CEO of Kay Bouvet	Mechanical Engg.	30/01/2019
Advanced Techniques in Metrology	Mechanical Engg.	19/07/2019
Industry - Institution Interaction (JK Cement)	Civil Engg.	07/01/2019
Three Weeks Students Software Skill Enhancement Program, STAAD PRO and ETABS	Civil Engg.	21/08/2019
Entrepreneurship Development	Computer Science and Engg.	26/09/2019
Python, AngularJS and Docker	Computer Science and Engg.	22/12/2018
Institute Innovation Council Establish with collaboration of MHRD	IEDC	21/11/2018
India's First leadership talk series webinar with IIC, MHRD by Shri Anand Mahindra, Mahindra Group	IEDC	08/01/2019
Workshop on IPR for staff and student by IIC, MHRD by Prof. Shetwashree Majumdar	IEDC	10/01/2019
Expert session on IPR by Prof. Deshpande from RIT, Sakharale	IEDC	10/01/2019
One day Workshop on "3D Printing Technology" with collaboration of Easa	IEDC	29/01/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Techfest	Yogesh Patil	IIT Bombay	09/01/2019	National
Project Competition	Patil Aishwarya, Paymal Trupti, Sneha Ghadge	ISTE _NIT Kozikode	29/01/2019	National
Project Competition	Prof G. S. Kamble	ISTE _NIT KozikodeEngg.	29/01/2019	National
Project Competition	Patil Mahesh, Oulkar Rohit	KIT kolhapur	20/01/2019	National

Avishkar Project Competition	Sweta Kadam	Science College Pethvadgaon	27/12/2019	National
Project Competition	Mallikarjun Athani, Chaitanya Bendre	PVPIT, Budhgaon	16/02/2019	National
Project Competition	Sweta Kadam	KIT kolhapur	28/01/2019	National
Intensification of pressure drop in DPHE	Prof.P.B.Dehankar	Shivaji University, Kolhapur	27/12/2019	University
Natural Pesticides from Custerd apple seeds Neem seeds	Omkar Jangam Abhijeet Kale	FIRST Prize in Project Competition IICChE Chapter, CSIR lab NCL, Pune	21/06/2019	National
Avishkar Research Project Competition	Mr. Sumit Rajendra Tile	Shivaji University, Kolhapur	27/12/2019	Research
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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Shivaji University Incubation Centre	Skill Development Centre	Shivaji University, Kolhapur	Sanjeev Industry Islampur	Surfactant and Allied Products	24/07/2019
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### 3.3 – Research Publications and Awards

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

State	National	International
0	10000	0

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

Name of the Department	Number of PhD's Awarded
Civil Engineering	1
Mechanical Engineering	2
Computer Scicence and Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engg.	10	5.47
International	Civil Engg	8	3.5



National	Chemical Engg	1	3.5
International	Chemical Engg	10	3.4
International	Electronics Engg	4	5.5
National	Computer Science and Engg	4	2.6
International	Applied Science	1	1.49
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical Engg.	1
Civil Engg	0
Chemical Engg	1
Electronics Engg	0
Computer Science and Engg	1
Applied Science	0
No file uploaded.	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Flexural Strength of normal beam by replacing tension reinforcement as waste tyre	Prof.A V Hankare	IJER	2019	1	2	TKIET Warananagar
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	34	11	31
Presented	3	2	0	0

papers				
Resource persons	1	0	0	0
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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
IPR Patent workshop	Best performance	IIC, MHRD	40
No file uploaded.			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
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### 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Training Program on Introduction to CNC and CMM	25	Self	30
Workshop on PDMS Training	20	Self	5
Workshop on PDMS Training	20	Self	5
Training Program on Metrology Basics in Collaboration with TKIET and AMS, Gokul Shirgaon, Kolhapur	26	Self	3
Workshop on PDMS Training	18	Self	5
Workshop on PDMS	17	Self	5
Refresher Course in Chemical engineering	35	Self	1

Technology (Faculty Exchange - Prof.S.A.Desai)			
Rubicons 'Connect with work' training programme	25	self	3
No file uploaded.			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Mechanical	Industrial Training	Menon Piston Ltd. Kolhapur	12/06/2019	27/06/2019	1
Civil	Field Training	M. D. Lasdmarks	28/05/2019	26/06/2019	1
Computer	Industrial Training	Global Edge Bangalore	24/06/2019	25/07/2019	1
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Paradigm CAD Academy, Pune	07/01/2019	1) Training 2) Industry based project 3) Expert lectures	32
AMZ Automotive, Jaipur	01/02/2019	1) Internship 2) Expert Lectures 3) Workshops	27
Minoo Industries, Kolhapur	21/08/2019	1) Seminar in Mechatronics 2) Project work 3) In-plant training	42
CESA Pune	10/11/2019	Software Training to Students	52
RCF Training, Thal	14/03/2019	Student Training	68
O2 Breathing Brains, Sangali	25/01/2019	Student Training	100
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
13178000	8732098

#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
<a href="#">View File</a>	

#### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Purna Library Management Solution	Fully	2.0	2010

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	55007	12831276	397	139484	55404	12970760
Reference Books	2150	5807574	22	59426	2172	5867000
e-Books	106165	69500	0	0	106165	69500
Journals	66	255221	25	75000	91	330221
e-Journals	14665	69500	0	0	14665	69500
Digital Database	918	1000000	100	50000	1018	1050000
CD & Video	4050	0	62	0	4112	0
Library Automation	1	18000	2	30000	3	48000

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. A. R Shinge	MCQ	LMS	29/03/2019
Dr. M. S. Dhuttargaon	Assignment for BE Mech Students	LMS	19/06/2019
Dr. M. R. Jadhav	Course Material for SY BTech Students	LMS	01/07/2019
Mr. A. R Shinge	Quiz on Manufacturing Engineering	LMS	22/10/2019
Mr. P. V. Lokhande	Notes on FEC	LMS	18/02/2019
Mr. D. B. Mirajkar	Test on Network Addressing	LMS	21/02/2019
Mr. S. R. Shatake	CN Assignment Submission	LMS	25/02/2019

No file uploaded.

#### 4.3 – IT Infrastructure

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

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	680	20	680	15	1	15	585	175	20
Added	100	1	100	0	0	5	95	125	0
Total	780	21	780	15	1	20	680	300	20

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

320 MBPS/ GBPS

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
<b>No Data Entered/Not Applicable !!!</b>	

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
242	15064414	199.78	20601765

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

The Authorities of the Institute monitors and supervises the available infrastructure to ensure its upkeep, repair and other maintenance. Library: The maintenance of the software Purna Library Management Solution used in library is done by the technicians of Purna software. Regular dusting and cleaning is done by using vacuum cleaners. On regular basis pest control is carried out to increase the life of valuables resources of library. Furniture and fixtures are repaired as per the requirement centrally. Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. Computerized issuing and returning of books is done so as to save time. Book exhibitions are conducted in the library at the time of convocation ceremony and books suggested by staff members are included in the library. Special reading room facility and computers are provided for access to e-content. Library staff conducts orientation and information literacy programs to educate newly admitted students. New arrivals are exhibited on board and screens. Library is kept open in long vacations. Qualified staff is appointed in library to guide and help students. Separate computer is provided to student for book search. The proper account on daily basis is maintained. Computers: The Institute has dedicated system and Network department for computers. Maintenance and support are carried out by SNS Cell of the institute. Regular up gradation is carried out for computers and software. Available computers are distributed in departments, office, library and for administrative work as per the requirement and load of the work. Computers are connected through LAN and with high speed internet facility. Sports facility: Sports of the institute are an example of outstanding state-of-art facilities. It has indoor tennis court, swimming pool and Shivneri Kreedangan for Outdoor games. Every year institute organizes more than 45 various types of sports events. Regular maintenance is carried out for gymnasium, indoor- outdoor stadiums, sports equipment and sport material from experts in the field. Sport material is issued to students as per the schedule. For intercollegiate competitions sport material is issued to the student for the period of the competition. Class Rooms: Regular cleaning and maintenance is carried out so as to provide effective learning environment to the students. Regular cleaning contract is given for outside agency for maintenance of buildings and other facilities. Regular monitoring of electrical and fixtures is done and repaired immediately. Central time table is designed in such a way that there is maximum utilization of infrastructure and class rooms. There are technicians, plumbers, carpenters deputed by management who ensure the maintenance of classrooms and related infrastructure. Laboratory: The high grade instruments are maintained through annual contract. Stabilizers are used for instruments. Regular servicing and maintenance is carried out for the instruments. A calibration of instruments is done. Service engineers from manufacturing companies are called for the repairs.

<http://www.tkietwarana.ac.in/NAAC/details.aspx?title=Institutional%20Maintenance%20Policy>

## **CRITERION V – STUDENT SUPPORT AND PROGRESSION**

### **5.1 – Student Support**

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institute Scholarship	108	3742514
Financial Support from Other Sources			
a) National	National Scholarships	2425	92580251

b)International	International	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Skill Development Training for Students(Right fit Programm)	06/07/2019	64	ProjectDRONA ,kolhapur
Skill Development Training for Students	22/03/2019	17	Team Lease Pvt. Ltd. Bangalore
Soft Skill Development	20/08/2019	124	Rubicon Soft-Skill Training, Pune
Yoga Day	21/06/2019	159	Art of Living
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Training for Air Force Common Admission Test	24	24	8	0
2019	Training for Nation Defense Academy	35	35	1	1
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	30

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Galaxy Surfactants,	3049	226	Hikal India Ltd ,Mahad	148	47

Mumbai Andritz Technologies Pvt ltd Bangalore Lupin Pharma Ltd, Mumbai Reverside Industries Ltd.Lote Laxmi Organics Pvt.Ltd. Mahad Mallak Specialties Pvt. Ltd. Mahad Proton Engg. Praj India ,Ltd Jaro Education			Deepak Nitrite Ltd,Roha NCL,Pune Amazon ,India,Pune Finolex Industry Ltd, Ratnagiri BYJUS Education USPTM, New Delhi Tata Counsaltancy Ltd Mumbai Melzer Chemical pvt Ltd Pune Shuddhi Ind.LLP	
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#### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	3	BE	Chemical Engineering	VIT ,Pune Moulana Azad ,NIT,Bhopal NIT,Durgapur	M.Tech
2019	11	BE	Chemical Engineering	TKIET, Warananagar VIT ,Pune Moulana Azad ,NIT,Bhopal NIT,Durgapur MIT-WPU School of mgt.Pune	M.Tech
2018	3	BE	Electronics Engineering	TKIET, Warananagar	M Tech (E & Tc)
2019	2	BE	Electronics Engineering	TKIET, Warananagar	M Tech (E & Tc)
2018	12	BE	Mechanical Engg.	PIMPRICHINCH WAD COE,PUNE PROF.RAMKRIS HNA MORE COLLEGE ,AKURDI VJTI,MUMBAI VJTI,MUMBAI CSIBER,KOLHA PUR	M.TECH,MBA,M S,MMS,GME,MA (PSHYCOLOGY)



				AMGOI, WATHAR BITS, PILANI IIT, BHUVANESHWAR MITWPU SCHOOL OF MANAGEMENT VJTI, MUMBAI VJTI, MUMBAI SIMS, (LONAVLA)	
2019	12	BE	Mechanical Engg.	RIT, ISLAMPUR SPCE (ANDHERI) VJTI, MUMBAI IDKKKPM INST. OF MANG., PUNE DYP INST. OF MANG. & RES., PUNE JSPM, HADAPSAR RIT, ISLAMPUR PARLE TILAK VIDYALAY INST. OF MANG., MUMBAI BATU, LONERI T.K.I.E.T, WARANANAGAR CDGIMS, PUNE SHIVAJI UNIVERSITY	M. TECH, MBA, MS, MMS, GME, MA (PSYCHOLOGY)
2018	14	BE	Civil Engg.	RIT, ISLAMPUR SPCE (ANDHERI) WCE, SANGLI PVPIT, BUDHGAN INSTITUTE OF ENGINEERS VIT, VELLORE VIT, VELLORE INSTITUTE OF MANAGEMENT DEVELOPMENT, PUNE TKIET, WARANANAGAR SGI, ATIGRE AMGOI, WATHAR N K ORCHID, SOLAPUR RIT, ISLAMPUR VJTI, MUMBAI	M. TECH, MBA, AMIE, PGDM
2019	14	BE	Civil Engg.	RIT, ISLAMPUR SPCE (ANDHERI) WCE, SANGLI PVPIT, BUDHGAN INSTITUTE OF ENGINEERS	M. TECH, MBA, AMIE, PGDM

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VJTI,MUMBAI

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	17
GMAT	11
GRE	3
Civil Services	2
Any Other	15
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Zonal	University level	253
Annual Sports Competetion	Institute level	750
Lead College Sports Competetion	University level	215
Annual Social Function	Institution Level	800
Traditional Day	Institution Level	500
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Kho kho Runner up	National	1	0	123	Mr. Samgram Jadhav
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute has designed mechanism to carry out its academic and administrative works with considerable involvement of students'

representatives. The suggestions given by the student community are taken into account to prepare the plan for different activities and also students have enough scope to participate in execution process of these activities. Different cells are formed in the institute to organize the co-curricular, extracurricular activities as well as students' welfare activities. Every cell functions under the chairpersonship of Principal and comprises of some Teacher representatives and appropriate number of student representatives. Every cell conducts a meeting before the announcement of activities during which student representatives give their suggestions to prepare plan for activities followed by its acceptance and approval. In order to have proper student representation in administrative activities, there is an Institute level Student Council in place, which is structured as per the provisions under Section 40(2) b, of Maharashtra University Act, 1994. As the Chairperson of the Council, The Principal nominates in all nine student members for various designations. Three of them are nominated as General Secretary (Cultural), General Secretary (Sports) and General Secretary (NSS). Along with these three, four academic rankers, a student nominee belonging to Scheduled Caste and a girl representative belonging to Other Backward Caste are also nominated. From these nine nominees, a University Representative is selected unanimously by Principal and members of council who represents Institute during the activities at University level as well as attends meetings organized by University. Various committees have been structured in the institute: 1] Standing Committee 2] Gymkhana Committee 3] Grievance Redressal Committee 4] IQAC 5] Hostel and Health Care Committee 6] Anti Ragging and Student Discipline Committee etc. Students' contribution to cells are as below: Library committee: This committee comprises of Principal, Librarian, Heads of all Departments and student nominee from each department. The inclusion of students is to take their suggestions for availing maximum benefits of library for students. Gymkhana Committee: College has always maintained the legacy of sports among students. Student committee is formed to arrange different sports activities at University level, lead college level, invitational tournaments and inter-college tournaments. Grievance Redressal Committee: Students' complaints about administrative, academic, infrastructural facilities are handled by this committee. Members of this committee participate in discussions to find the solution on recorded complaints. IQAC: The ultimate aim of IQAC cell is to govern the delivery of quality curriculum to the students in all aspects. In this regard, meritorious students are involved in the IQAC for their valuable feedback on quality policies and timely suggestions. Cultural Committee: This committee offers a platform for the students to exhibit their talent and various skills through organization of Annual Social Function for students. It is an activity which is carried out by the students, for students, from students. Sexual Harassment Prevention committee and Anti-Ragging Committee: The aims of committee is to provide a ragging-free campus. The student members of the committee maintains vigilance throughout campus and hostels to prevent any ragging activities of the students.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has registered Alumni Association. It organizes Alumni Meet every year since its establishment Alumni annual meet covers interactive discussion with alumni and faculty, students on recent trends and technologies, technical advancements. Alumni association seeks the opinion / suggestions of alumni on Institutional development. Alumni interactions happen over social network and online communication over college website. The chapters of association are formed at major cities like Kolhapur, Ratnagiri, Pune, Mumbai, Delhi, Madras, Hyderabad, Bangalore in India and Qatar, Dubai in abroad also.

Aims and objectives of the Association • To promote the welfare of the alumni and the institute by establishing a mutually beneficial relationship. • To inculcate the sense of brotherhood, co-operation, mutual harmony, and affection amongst the Alumni members. • To foster linkages amongst the alumni and promote personal and friendly relations through meetings and get-together, tours / trips etc. • To render assistance to students of the Institute through grants, scholarships and prizes. • To provide assistance in academics, training and placement activities. • To undertake all such activities are incidental or conducive to the attainment of the above aims and objective. • To facilitate and encourage alumni to contribute towards improvement of infrastructure.

Highlights of Alumni Association • The institute has produce 9800 alumni up till now. • All the data of alumni is collected, maintained and stored digitally in neat and clean fashion. • Contact information of alumni in the form of Reminiscences from 1987 till date is available • Alumni's are connected with the institute and association on social communication networks like Facebook, Whats App and LinkedIn.

Activities of Alumni Association • Chapter Formation: Organizing alumni meets centrally and chapter wise. • Providing training to the students. • Assisting in placement activity of students. • Providing help for needy alumni. • Assisting admission activities at institute level. Major contribution from Alumni for institutional development: Alumni have helped the institute in following ways i. Donation of book to library. ii. Donation of software's to departments. iii. Industrial Training to students iv. Placement assistance at major companies. v. Scholarships to talented needy students. Alumni annual meet covers interactive discussion with alumni and faculty, students on recent trends and technologies, technical advancements. The members of college administration and the senior faculty of all the departments Participate in the annual alumni meet on invitation and support for the development of the institution.

5.4.2 – No. of enrolled Alumni:

9250

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

425000

5.4.4 – Meetings/activities organized by Alumni Association :

10

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

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

A) Principal Level The Principal is the administrative head of the institute. However, certain administrative responsibilities are delegated to Heads of Departments, Academic Coordinators and various functional committees to ensure a decentralized governance system. Principal is the member secretary of the governing body and chairperson of the IQAC. The Principal in consultation with the faculty of different committees for planning and implementation of different academic, student administration and related policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and the teachers of the college. 1] Adequate autonomy is given to all the departments and sections. 2] The Head of the department prepares the academic calendar, time table in consultation with the faculty and assigns specific subjects to the departmental faculty based on the area of expertise. 3] The department identifies the value-added courses to be delivered depending on the industrial needs, identifies the course content beyond the syllabus and

implements it. 4] The department organizes various faculty and student enrichment programmes, conducts workshops and organizes industrial tours. 5] The department prepares the departmental budget for development and maintenance of laboratories, conducting workshops, conferences etc. 6] The faculty have the freedom for democratic participation in expressing requirement for additional laboratory equipment, library books, enhanced infrastructural facilities, additional classrooms, autonomy to work beyond college hours, curricular enrichment etc. with the approval from principal. Principal is heading various committees along with faculty members. Committees are as follows, a] Internal Quality Assurance Cell (IQAC) b] Library Management Committee c] NSS Committee , Extension Activities Students Welfare Committee d] Annual Prize Distribution Committee e] Publicity Public Relation Establishment Committee f] Prospectus Committee g] Website Development committee h] College Annual Magazine Committee I} Environment Awareness ,Green Audit and Garden committee J] Alumni Association Monitoring Committee K] Students Grievance Redressal Committee l] Purchasing and Building Maintenance Committee m] College Students Monitoring Committee n] Sports Committee o] Time Table Committee p] Admission Committee q] Research Innovation Cell r] Anti-Ragging Committee s] Cultural Events Committee B) Faculty Level Faculty members are given representation in various committees/cells nominated by the principal and the Governing body, in the IQAC and other committees. Every year, the composition of different committees is changed to ensure a uniform exposure of duties for academic and professional development of faculty members. Following are the different sub-committees which have been nominated by Principal a] Academic Coordinator b] Training and Placement Cell c] Career Development Cell d] Students' Association e] Entrepreneurship Development Cell f] Event Management committee g] Infrastructure Maintenance Committee h] Teacher- Parent Meet Committee j] Examination (University College Level) Committee

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

Partial

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<p>[1]The curriculum development is carried out as per guidelines of Shivaji University, Kolhapur.</p> <p>[2]Faculty are actively participating in curriculum restructuring, revision, syllabus development act as member of Board of Study, worked as resource person in faculty development or curriculum development workshops.</p> <p>[3]The Choice Based Credit System (CBCS) is under implementation for First Year Engineering from the academic year 2018-19. TKIET has arranged workshops and many faculty have attended workshops arranged by other institutes. [4]For quality improvement, inputs are obtained by following means, interaction with the industry through Research cell, parents through Parent Teacher Association, academicians through workshops and suggestions from Department Advisory</p>

Boards. Comparative study of curriculum of reputed International / National universities through Open coursewares.

Teaching and Learning

[1]Preparation and execution of Academic Calendar [2]Modernization of laboratories as per the revised syllabus and technology requirements. [3]Extensive usage of ICT Tools [4]Monitoring students' performance through:Internal Unit Test-I and II, Assignments, quiz, seminars and projects [5]Monitoring the teaching Learning Process through Feedback from students (Mid semester and end semester), [6]Addressing various academic related issues of individual student [7]Remedial / Improvement classes for slow learners [8]Expert lectures are conducted on topics related to the curriculum beyond the syllabus . [9]Teacher's study materials [soft copy PowerPoint/PDF presentation, Simulation animation] are shared with students. [10]Mentoring and guidance to junior faculty by senior/competent faculty

Examination and Evaluation

[1]Two internal Unit Tests are conducted per semester. For the First Year students, in additional, Fortnight Test and a Preliminary Examination are conducted. [2]Model questions and model answers prepared by the faculty and displayed on the notice board. [3]Timely assessment of Tests is done and the result is displayed. [4]Theory examination and Practical/Oral Examinations are conducted as per University schedule. [5]The Faculty contributes in the examination work like- question paper setting, invigilation, oral exam conduction and assessment work. [6]Continuous evaluation by online exam MCQs conducted by University. [7]Continuous internal evaluation process for Term work/ Lab work. [8]Final Theory examination (off line) conducted by University.

Library, ICT and Physical Infrastructure / Instrumentation

[1]The institute has total 320 Mbps Internet Connectivity (300 Mbps Internet Leased Line 20 Mbps National Knowledge Network. The NKN connectivity is sponsored by MHRD). [2]A dedicated Web portal is created for utilization of e-learning resources. It also includes access to contents created by faculty. [3]NPTEL Local Chapter and

NPTEL Certification Center has been initiated [4]Unauthorized access to Server rooms is prohibited by implemented Face and biometric access. [5]IP/Internet CCTV surveillance network is developed and installed in prominent places. [6]Central Data Centre Equipped with extensive servers and data Storage repositories, FTP Servers. Library:- [1]Central Library committee gives guidelines for improving the quality of library resource. Automation in Library management is increased [2]Each Department has its own departmental Library facility Physical Infrastructure:- 1)Campus security using surveillance camera 2)Food and canteen facility

**Human Resource Management**

[1]While recruiting the faculty and staff, the Institute adheres to the rules and regulation of Shivaji University, Kolhapur and AICTE, New Delhi [2]Staff involvement in curriculum design: Recently Shivaji University, Kolhapur has declared to adopt CBCS (Choice Based Credit System) and planned to offers B.Tech. degree. Several workshops have been conducted by University. Institute has deputed competent faculty for the new curriculum design for such workshops. [3]For professional development institute deputed the faculty and staff to undergo development programs outside the institute. [4]The institute organizes Human Resource development programmes for faculty, staff and students for skill up gradation. [5]The Institute conducts Performance Appraisal of Faculty and Staff at the end of every academic year [6]The management of the institute regularly conducts interaction meetings with faculty, staff and students to ensure healthy environment. [7]The orientation program and faculty development programmes are conducted periodically to improve the quality of the staff. [8]The staff members are encouraged to conduct/attend FDPs/ Short term courses/workshops/Seminars/Conferences etc. to update their skills and knowledge. [9]Faculty are felicitated for their academic and research achievements. [10]Welfare schemes are designed for the benefits of staff and students.

<p>Industry Interaction / Collaboration</p>	<p>[1]Departmental Advisory Board (DAB) includes a member from reputed Industry. [2]MOUs signed with various industries. Institute has many MoUs signed with industry and other institutions and has chapters of most of the major professional Societies like ISTE, CSI, etc. Due to this many students are benefited to get industry sponsored projects, summer training/ internship [3]Industry Internship programs, industry designed certification courses and joint projects with industries are carried out. [4]Alumni placed in the reputed industries are invited for interaction with the students. [5]Entrepreneurship Development Cell (EDC), which creates Entrepreneurship awareness programmes for the students in collaboration with Industrialist and Bank Officers. [6]Industrial tours/visits are arranged to give exposure to the students and update the technical knowledge of the students</p>
<p>Admission of Students</p>	<p>[1]Admission of the students is through a student centric Central Admission Process(CAP) conducted by a State Government body DTE (Directorate of Technical education) [2]The institute adopts following strategies to attract quality students: [a]The excellent infrastructure provided by the institution is well accepted by the students as well as parents [b]Institute is able to attract and retain well qualified and motivated faculty. [c]Excellent Academic results in University examination. [d]Dynamic Training and Placement activities. [e]Institutional scholarships to meritorious students [f]Encouraging extra-curricular and co-curricular activities. [g]Maintaining Ragging-free environment [h]The institute conducts admission process awareness programmes, counselling sessions for prospective students</p>
<p>Research and Development</p>	<p>[1]The faculty members are encouraged to improve their qualification to M.Tech and Ph.D program [2]Students are encouraged to participate in paper presentation, projects, competition. [3]Faculties are encouraged to apply for research grants by government bodies for their projects and also publish research papers in</p>



National/International Journal and conferences. [4]Encouragement given to faculty for applying to funding agencies like AICTE [5]The department conducts seminars and workshops for inculcating research culture among students and faculty. [6] The institute / departments arrange guest lectures by eminent researches on emerging and new areas of research

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

E-governance area	Details
Administration	<p>The Administration of the College is functions with E-governance system. Institute has dedicated domain based email services through which important notices,circulars are circulated to all the faculty. Records of provident fund, income tax details are effectively managed by using computerized systems. The college has Biometric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV surveillance Cameras at prominent places.</p>
Finance and Accounts	<p>Functions of the finance and accounts department is precisely defined and strictly followed with proper accounting practices making record of each financial transaction using softwares like Tally and Biyani e-governance mechanism. This helps to keep records of receipt of funds, staff salary and all types of purchases and payment of various utility bills and taxes.</p>
Examination	<p>Students registration form for examiantions are online. The hall tickets are received online. Internal exam results are put up in college website for access to students. End exam results are available in the college website. All correspondence to University like communicating the end exam results, copies of provisional certificates, are all communicated to university through online university templates. Institute runs authorized CAP (Centralized Assessment Process) center for the theory paper assessment of university examinations.Marks are fed online in the University CAP portal which helps in the quick declaration of examination results.</p>
Planning and Development	Planning and Development of the

	<p>institute is carried out by using e-governance systems. Planning of academic activities includes time-table, recording of academic audit. Academic calendar of institute as well as department are made available to all stakeholder through website.</p>
Student Admission and Support	<p>The institute uses latest tools and technology to promote student admission and provides support the students. Admission process is governed by Directorate of Technical Education, Government of Maharashtra. Institute has developed the Eduvedh Mobile application. This application is used by 12th science students to practice MOCK MHT-CET examination. Official WhatsApp groups are created by students which includes teaching faculty for the quick communication and also study materials, notes, are shared in the group.</p>

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Prof.S.U.Patil	Promax Software Level I II	BRE, Texas, USA	10000
2018	Prof.P.B.Dehankar	Young Scientist Conference, Lucknow	Govt. Of India	6000
2019	Prof.S B Patil	ICRACM 2019 ISSN-2214-7853	IIT BHU Varanasi	11000
2019	Prof. A. S Mali	1)International Journal of Electronics Engg 2) International Journal of Current Advanced Reasearch	1)International Journal of Electronics Engg 2) International Journal of Current Advanced Reasearch	5900
2019	Dr. S. S. Desai,	Faculty Development program for Student Induction	AICTE	738
2019	Dr.(Mrs). V. D. Patil	Faculty Development program for Student	AICTE	738

		Induction		
2019	Mr. G. B. Kamble	Faculty Development program for Student Induction	AICTE	738
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Design development of Curriculum to enhance the quality of outcome based education		07/12/2018	08/12/2018	50	0
2019	STTP through ICT Mode D development of Lab. Instruction Manual	STTP through ICT Mode D development of Lab. Instruction Manual	04/02/2019	08/02/2019	2	2
2019	LaTeX 101x: LaTeX for students, engineers scientists		24/09/2019	02/12/2019	16	0
2019	Workshop on R Programming		09/11/2019	09/11/2019	19	0
2019	Latex for Students , Engineering Scientist		24/09/2019	11/11/2019	128	0
2019	Machine Learning Using Python		18/03/2019	20/03/2019	37	0
2019	One Day Workshop		23/08/2019	23/08/2019	3	0

	on LINUX					
2019	Development of Laboratory Instruction and Manual		04/02/2019	09/02/2019	2	0
2019	Development of Lab Inst Manual	Development of Lab Inst Manual	04/02/2019	08/02/2019	2	1
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Design Development of Curriculum to Enhance the Quality of outcome based Education	6	07/12/2018	08/12/2018	2
STP on Electrical Hybrid Vehicle Technology	1	06/03/2019	06/03/2019	1
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
124	124	9	9

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Employees Provident Fund Gratuity Scheme Group Insurance Credit Society Fee concession for Teaching/Non-teaching staff Staff Credit Society	Employees Provident Fund Gratuity Scheme Group Insurance Credit Society Fee concession for Teaching/Non-teaching staff Staff Credit Society	Govt. Scholarships Scholarship for Meritorious Students Financially Weaker Students from college and from alumni Association Alumni Scholarship Students Safety Insurance Scheme

## 6.4 – Financial Management and Resource Mobilization

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

For effective check of the accounts, a two-tier audit system is followed regularly. i.e. an internal audit and external audit. The auditors are

appointed by the Governing Body and the audit is carried out once in a year. The external audit is done by a Chartered Accountant firm. After the audit the balance sheet along with the audit report is submitted to the management for review. As the use of available financial sources is effectively monitored there are no major audit objections pointed out and hence compliance does not arise. The last audit was done on 31/11/2019 for the period of April 2019 to March 2020.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		
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6.4.3 – Total corpus fund generated

0
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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	DTE, AICTE, Shivaji University, Kolhapur, UGC	Yes	Internal Audit Committee IQAC
Administrative	Yes	DTE, AICTE, Shivaji University, Kolhapur, UGC	Yes	Heads of the Departments IQAC

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

1)Parent is an integral component among the stakeholders. There is well functioning Parent- Teacher Association. Regular parents meetings are conducted by every department 2)Few parents were appointed on committees such as Department Advisory Board (DAB), Industry-Institute Interaction Cell(III-Cell)and Internal Quality Assurance Cell(IQAC) 3) Parents provide valuable inputs for the efforts taken by the Institute for the overall development of the students.. The feedback acts as a precursor for renewed efforts being taken up for student development. Feedback analysis is done and critical areas are identified. Their suggestions are incorporated for improvement.

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

1) STTP through ICT Mode Development of Lab.Instruction Manual (4 February 2019) 2) LaTeX 101x: LaTeX for students,engineers scientists (24 September 2019) 3) Workshop on Yoga and Physical Management ( 21 Jun 2019)

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

1) Received permanent affiliation for all courses from Shivaji University, Kolhapur 2) Implementation of Choice Based Credit System (CBCS) for all courses at F. Y. B. Tech and S. Y. B. Tech. from July 2018 and July 2019 respectively 3) Apply for the 2(f) and 12 (B) certification for the inclusion of college under this section of UGC act 1956 to receive grants and institute receive this certification on date 9th September 2019 4) Participated in AICTE-CII survey

industry linked technical institute -2019 and Received consecutively Platinum category last three years 5) Strong Training and placement activities through which last year in 2018-19 achieved the highest number of placed students around 250 plus 6) Applying for acquiring the fresh academic autonomous status for Institute for the academic year 2020-21

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Design and Development of the Curriculum to Enhance the Quality of Program Outcome Based Education	07/12/2018	07/12/2018	08/12/2018	50
2018	Effective Implementation of CBCS system for F. Y. B. Tech. and S. Y. B. Tech courses	05/07/2018	21/07/2018	05/11/2019	352
2018	Received inclusion of college under section 2f and 12 (B) of UGC Act 1956	18/07/2019	09/10/2018	09/09/2019	124
2019	Applied for Ph. D. Research Center in Department of Mechanical Engineering	20/12/2018	20/12/2018	24/04/2019	24
2019	Planning to Apply for Autonomy status for Institute	18/07/2019	10/09/2019	05/11/2019	660

from  
academic  
year 2020-21

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Mr. Ms Parampara	02/10/2019	02/10/2019	5	4
Health checkup for girls students	08/03/2019	08/03/2019	100	0
Food stalls	08/03/2019	08/03/2019	225	10
Fashion show on women role model	08/03/2019	08/03/2019	150	10
Path natya	08/03/2019	08/03/2019	125	50

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

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

63

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	50
Provision for lift	Yes	10
Ramp/Rails	Yes	40
Rest Rooms	Yes	20
Scribes for examination	Yes	9

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	2	1	02/01/2019	1	Tree plantation at TKIET	Resource saving	78
2019	2	1	18/01/2019	1	Cleaning of Play ground	Institute Surrounding areas.	78

					and marking work at TKIET		
2019	2	1	29/01/2019	1	Tree plantation/maintenance at TKIET	Institute Surrounding areas.	78
2018	5	3	13/12/2018	1	Tribute to Late Shri. Tatyasaheb Kore on his Death anniversary	Local	1000
2019	2	1	13/03/2019	1	Granth Dindi	Institute	603
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Duties Responsibilities of Staff, Functions of Various Committees and Procedures	01/07/2019	Various committees are formed in the College for the smooth and efficient management of activities. It also gives the opportunity to the faculty to grow and develop in their extracurricular activity/field and administrative skills. The committees are constituted by the Principal in consultation with HODs.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Students Orientation Program	01/08/2019	01/08/2019	440
Universal Human Values	02/08/2019	17/08/2019	440
Conduction of Yoga Day	21/06/2019	21/06/2019	159
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Energy conservation: By Seeking out computing related equipment and services have the lowest footprint possible.
2. Use of renewable energy: Solar Power Plant with capacity of 450.12 kwp (Effective Utilization of 63)
3. Plantation:



Tree Plantation, NSS 4. E-waste management: Efforts to repair the computers and to be used for students and library. 5. Wherever possible recycling is done. 6. Environmental consciousness: in the form of seminars /conferences / workshops /extension lectures, etc 7. Documentaries for Social Change: Street Plays 8. Rain Water Harvesting 9. Organic Waste from Trees/Plants 10. Recycling as Manure 11. Observing No-Vehicle Day in College 12. Conduction of Green Audit 13. Participation in AICTE- Clean Campus Competition.

## 7.2 – Best Practices

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

1. Active Women Empowerment Cell to support girl students The Women Empowerment Cell is working to support girl students as well as ladies faculty in the institute. It is established with two goals that is to provide a secure and friendly atmosphere to girls studying at the Institute and to develop social awareness among the girl students. There are a large number of girls coming from rural areas with a low-income group and they need moral support. This cell is working on problems of girls with this background and provides the helping hand to them through this active cell. The institute has a "Women Empowerment Cell" formed by teaching and non-teaching ladies staff. The forum arranges various activities like Gender sensitization and legal awareness, financial support, health and nutrition guidance, food stalls, House and job management skills, Street Plays on Social Issues (e.g. Save Baby girl), celebration of Women's Day and Self defense training. Experts like lady advocate, social workers, lawyers, and police officers are invited for different functions to provide guidance to the girls. They interact with the students and boost their morale.

2. Culture and History reflection through Annual Social Function Everyone in history has witnessed that India is the most culturally diverse country in the world no one has ever matched the cultural heritage and diversity of India. It feels proud when we as a country show magnanimity towards humanity, different cultures, religious thinking, castes races and live as people with love, care, and respect towards each other. But the saddest part here is while evolving as more technologically accomplished modern human beings, we have forgotten the soul purpose and greatness of Indian culture.. Keeping this in mind, our college TKIET every year organizes series of cultural events every year. This year institute organized through a college event called MAHARASHTRACHI LOKDHARA to stand against this fanatical fascist concept of modernization and showcased the real Indian culture. It showed different cultural festival celebrations of our society and its relation to science.

Lokdhara made people of the region aware of the fact that how this modernization has reduced the intellectual variability, versatility in art living of the Maharashtrian people. It was a top-notch sensational event of 2.5 hours where students choreographed and presented the cultural diversity of Maharashtra was eye candy for the audience. TKIET also organized another play of 2 hours on JANATA RAJA a tribute to Chhatrapati Shivaji Maharaj- the great Maratha emperor. Students tried to show his foremost objective of Swarajya and how he established it by fighting against the tyrannical Mughals and other rulers. The audience loved the students way of showing his administrative skills and how he upheld the swarajya values and Maratha heritage. The best part of the all is TKIET being a technological education providing institute still believes in the idea of living where science tech nurtures the world in a wholesome way and make the student realize their highest potential through art, music, culture, science, religion, adventure, and joyous living. At present, it is now organized every year and hence it is counted as a best practice carried out by the institute.

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

<http://www.tkietwarana.ac.in/NAAC/details.aspx?title=Institutional%20Best%20Practices>

### 7.3 – Institutional Distinctiveness

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

The institute is focusing on providing the best abilities through proper planning strategies in liaison with the Vision-Mission of the institute. As far as our Mission and Vision is concerned, college always tries to implement the distinctiveness in the work. Particularly, the nation required Defense Officers from the educated youth. A couple of important initiatives taken at the institution towards are nation-building and rural development of India. Being technocrat numbers of students are aspiring to join defense services. Considering the same, the institute has started a separate wing "ARMED FORCES PREPARATORY INSTITUTE" (AFPI). AFPI is enabling and empowering the youth to join the Indian Armed Forces, through the National Defense Academy (NDA), till the age of 19 and a half and through CDSE, AFCAT and various other entry schemes as an Engineer Officer. The cadets (students) are also made to imbibe "Officer-Like- Qualities" to succeed in the Services Selection Board (SSB) interview. They are trained physically, mentally psychologically to rise to the levels of an officer of the forces. Recently, a student, Eshan Limaye has been selected for NDA, one of the early successes of AFPI. The wing helps those with a view to build their careers in the Defenses Forces. As far as our Mission and Vision is concerned, college always tries to implement the distinctiveness in the work. Our college has a large number of students from the surrounding villages. Most of the students from rural areas poor background, but they are not poor in talent, knowledge and humility. Our college staff identifies their talent and encourages them. The TKIET institute provides an intensive MOCK- CET test for the XII students of Kolhapur and Sangli district rural areas. Students are provided free MOCK-CET test with free transportation facilities the result of the students are conveyed to them via message. Also, they are given a presentation on Career Guidance after XII Science. The institute is always striving hard to achieve different heights of quality in teaching- learning process, research, co-curricular and extra-curricular activities carried out for students. Different cells including IQAC, College Development Committee (CDC), Innovation and Entrepreneurship Development Cell (IEDC), Industry Institute Interaction Cell, Training and Placement Cell (TPC) and Women Empowerment Cell are working consistently on the path of quality policy statement decided by the institute. It helps to march on the mission statements and to realize the vision, the dream behind the foundation of the institute.

Provide the weblink of the institution

<http://www.tkietwarana.ac.in/NAAC/details.aspx?title=Institutional%20Distinctiveness>

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

The institute is always striving hard to achieve different heights of quality in teaching learning process, research, co-curricular and extra-curricular activities carried out for students. Different cells including IQAC as well as College Development Committee (CDC) are working consistently on the path of quality policy statement decided by institute. It helps to march on the mission statements and to realize the vision, the dream behind foundation of the institute. This dedicated thought process always provides great spirit to design and define future plan of the institute. Some plans of action suggested by IQAC for coming year for institute development are summarized below As institute got inclusion of college in 2(f) and 12(B) section under UGC act of 1956 and NAAC accreditation grade 'A' with CGPA 3.27, Institute is eligible for acquiring fresh

Academic Autonomous status from UGC. Hence, the very first priority in academic year 2020-21 is to apply for same and to acquire autonomous status to institute. It will bring the new dimensions in quality of education provided by the institute. Institute has to apply for Second cycle of NAAC in November 2021 as validly of first cycle will over on 4th November 2021. Therefore more focus will be provided to complete the pre-requirements for NAAC cycle - II to achieve higher grade in co-ordination with IQAC cell. As mentioned earlier, University has adopted CBCS pattern for all engineering courses from June 2018. For F. Y. B. Tech and S. Y. B. Tech., it is already implemented. For remaining years, it will be implemented in coming two years. Institute has prepared effective plan for implementation of CBCS for all years to grasp all quality benefits from it. In this connection, workshops for syllabus revision are planned. To promote research culture in the institute, research Centre as well as Centre of excellence are required to be established. Institute has already applied for PhD research center for mechanical under affiliation of university and it is likely to get sanctioned. To develop the research lab with all required infrastructure and equipments is planned for 2019-20. Institute is planning to apply for getting accreditation by National Board of Accreditation (NBA) in coming academic year. It is essential for engineering colleges hence this activity is also planned at higher priority to apply for NBA as soon as the prequalifying criteria will be fulfilled. To re-connect with alumni by organizing grand alumni meet of batch 1995 for completing 25 years of graduation from the institute. The motto is to develop alumni network for taking advantages from various aspects like placements, training, donations scholarships to nearby students. To achieve 80 - 90 placements in reputed companies with good packages through Training and Placement cell. To enhance research culture and to invite key note speakers from industry and academics arena, organization of national or international conference is one of the planning of year. It brings recent and advanced information of all branches of engineering at gate of institute and shares among faculty and Students.