Submission of
Annual Quality Assurance Report (AQAR) by Accredited Institutions

Year : 2019-20

By

Dattajirao Kadam Technical Education Society's

TEXTILE & ENGINEERING INSTITUTE

(An Autonomous Institute affiliated to Shivaji University, Kolhapur)
'Rajwada', Ichalkaranji – 416115. Dist. Kolhapur, Maharashtra.
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राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

Contents

The Annual Quality Assurance Report (AQAR) of the IQAC

(For Autonomous Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

AQAR for the year :   2019-20

Data of the Institution
(data may be captured from IIQA)

1.   Name of the Institution: **DKTE Society's Textile & Engineering Institute, Ichalkaranji**

- Name of the Head of the institution : **Prof. Dr. P. V. Kadole**

- Designation: **Director**

- Does the institution function from own campus: **Yes**

- Phone no./Alternate phone no.   **+91-230-2421300, 2437316**

- Mobile no. **09422045539**

- Registered Email: **dktestextile@gmail.com**

- Alternate Email :   ---

- Address   : **'Rajwada', Near Zenda Chawk,**

- City/Town   : **Ichalkaranji**

- State/UT   : **Maharashtra**

- Pin Code   : **416 115**

2.   Institutional status:

- Autonomous Status *(provide the date of Conformant of Autonomous Status):*
  An Autonomous Institution – June 2016

- Type of Institution: Co-education/Men/Women: **Co-education**

- Location : Rural/Semi-urban/Urban: **Urban**

- Financial Status: **Self financing**
  (please specify)

- Name of the IQAC Co-ordinator/Director: **Prof. Dr. V.R. Naik**

- Phone no. /Alternate phone no. :   **+91-230-2421300, 2437316**

- Mobile: **09423268945**

- IQAC e-mail address: **dktestextile@gmail.com**

- Alternate Email address: **vrnaik66@gmail.com**

3.   Website address: **dkte.ac.in**

Web-link of the AQAR: (Previous Academic Year):
https://www.dkte.ac.in/index.php/iqar

4.   Whether Academic Calendar prepared during the year?
     Yes.   (ANNEXURE-IV)
     If yes, whether it is uploaded in the Institutional website: www.dkte.ac.in

Weblink: https://www.dkte.ac.in/index.php/academic-calendar

5.   Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	A+	3.53	2017	05 Years

6.   Date of Establishment of IQAC: **17/09/2011**

7.   Internal Quality Assurance System

7.1   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
IQAC meeting with coordinators	06/10/2018	11 – IQAC members
Thrust on Enhancement of no. of patents submitted by the institute.	Academic Year 2019-20	--
Annual Quality Assurance Report on website www.dkte.ac.in	Academic Year 2018-19	--
Staff Evaluation by students feedback through Contenio	2 times per academic year	All faculty/students
Submission online NIRF data compilation	Yearly	Institution
9001:2015 ISO Certification	24-01-2017	Institution

Note: Some Quality Assurance initiatives of the institution are:
- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *CII (Confederation of Indian Industry)*
- *ARIIA (Atal Ranking of Institutions on Innovation Achievements)*
- *Any other Quality Audit*

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8.   Provide the list of Special Status conferred 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 (in Lac)
Mechanical Dept.	Smart Foundry under TSDP	DST New Delhi	Sept 2016 to Aug 2019	83.694
Mechanical Dept.	Indl. Product Design Centre under NCP	RID Bureau AICTE, Delhi	March 2009 to Feb 2012	22.50

9.   Whether composition of IQAC as per latest NAAC guidelines: **Yes**
       *upload latest notification of formation of IQAC

10.   No. of IQAC meetings held during the year: **01**
       The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website…….
       No (Please upload, minutes of meetings and action taken report)

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No √

If yes, mention the amount: ----   Year: ----

12. Significant contributions made by IQAC during the current year (maximum five bullets)

   * Institution nominated to work as Mentee for NAAC accreditation of 5 Institutions.
   * Internal Audit for Department wise.
   * External Audit (External experts) for all departments.
   * Conducting Workshops, awareness programs, etc.
   * Uploading & updating NAAC activities through its SSR and IQAR.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Motivating faculty members and PG students for filing Patents	Various departments have submitted (filed) patents through faculty members

14. Whether the AQAR was placed before statutory body?   **Yes**

Name of the Statutory body : **Q.A. Cell**   Date of meeting(s): **03/10/2019**

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

No.

16. Whether institutional data submitted to AISHE: **No. (N/A)**

Year: **---**   Date of Submission: ---

17. Does the Institution have Management Information System?

Yes

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

A software called Contineo is installed on the server. Various modules like academic and examination are in use. Through this, students, parents, faculty and other higher authorities can log in the systems, and gets information related to various academic and administrative activities.

COE (Controller of Examination) is having examination module, effectively implemented for students, faculty. Through this, academic activities like exam form filling, exam paper setting, evaluation, moderation, make up examination is executed and monitored.

CRITERION I– CURRICULAR ASPECTS

1.1 Curriculum Design and Development			
1.1.1 Programs for which syllabus revision was carried out during Academic year 2019-20			
Name of programme		Programme Code	Dates of revision
B. Tech (Textile Technology, Manmade Textile Technology, Textile Chemistry, Textile Plant engineering, Fashion Technology, Electronics Engineering, Electronics and Telecommunication Engineering, Computer science and engineering, Information Technology, Mechanical Engineering)		TT, TM, TC, TP, TF, ELL, ET, CS, IT, ME	June 2019 (BOS meetings conducted in April-May 2019)
1.1.2 Programs/ courses focused on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	**Date of Introduction**	**Course with Code**	**Date of Introduction**
Details-Annexure-I			
1.2 Academic Flexibility			
1.2.1 New programmes/courses introduced during the Academic year2019-20			
Programme/Course		Date of introduction	
Honors and Minors Degree courses were introduced for B. Tech. students of all branches. Third Year students studying in Vth Semester were allowed to Opt for honor courses under the condition that they will clear additional subjects allotted to IVth Semester too.			

Honors Degree in Technical Textiles : • TNL701 Technical Fibres • TNP702 Technical Fibres • TNL703 Nonwovens & Fibre Reinforced composites • TNP704 Nonwovens & Fibre Reinforced composites • TNL705 Surface Modifications of Textiles • TNP706 Surface Modifications of Textiles	June 2019
Honors Degree in Data Science: • CSL701 Basic statistics(Online course) • CSL702 Exploratory Data analysis and feature Engineering • CSL703 Introduction to Data science in Python (Online course) • CSL704 Big data analytics • CSP705 Applied Text Mining in Python (Online)	June 2019
Minor Degree in Applied Data Science: • CSL801 Basic Statistics(Online) • CSL802 Programming Fundamentals • CSL804 Data structures and Algorithms • CSP805 Programming for Everybody(Online) • CSP806 Applied Machine Learning in Python(Online)	June 2019
Honors Degree in Industrial Automation and Robotics: • ELL701 Automation and Process Control • ELL702 Architecture of Industrial Automation Systems	June 2019

• ELL703 Architecture of Industrial Automation Systems Lab • ELL704 Industrial Robotics Mechanics and control	
Honors Degree in Apparel Technology: • TAL701 Clothing Manufacture • TAP702 Clothing Manufacture (ISE) • TAL703 Fashion & Apparel Design concepts • TAP704 Fashion & Apparel Design concepts-Lab • TAL705 Apparel Product Merchandising • TAP706 Apparel Product Merchandising (ISE)	June 2019
IOT Honour Course: • Sensors and Actuators in IOT (ETL 701) • Introduction to IOT (ETL 702)	June 2019
Honors Degree in Mechatronics: • MEL701 Fluid Power • MEL702 Sensors and Digital Logic • MEL703 SCADA and Industry 4.0 • MEP705 Fluid Power Lab • MEP706 Sensors and Digital Logic Lab • MEP707 SCADA and Industry 4.0 Lab	June 2019
Automation and PLC Programming ELL404	26/06/2019
Internet Of Thing (IOT) ELL405	26/06/2019
Digital Marketing ELL422	16/12/2019
PLC based Industrial Applications ELL416	16/12/2019
Embedded Based Application ELL417	16/12/2019
Introduction to JAVA Programming (CSLOE2)	15/06/ 18
Fundamentals of Mechatronics (MELOE1)	15/06/ 18
Due to pandemic situation from March 2020 onwards institute conducted online teaching through Microsoft Team platform and Google Classroom, also Objective as well as descriptive Exams such as SE-II, MSE, SEE and ISE were conducted through MOODLE and Google Quiz, Evaluation of Practical/Oral Exam, Project and internship was also conducted through online mode using MOODLE and Google Quiz.	
Under the prestigious DVP (Distinguished Visiting Professor) scheme by AICTE-INAE (Indian National Academy of Engg.) Dr. Sreekumar, who is consultant to Reliance Industries Ltd. and Dr. G. Janakiraman from Eurotex industries and Exports conducted various lectures to first to final year B. Tech Students. Details given in **ANNEXURE-II**	

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.2019-20					
Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
As the institute became autonomous from academic year 2016-17, CBCS has been implemented for all UG and PG Programs in the same academic year.					
Already adopted (mention the year) : **2016-17**					

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year 2019-20

Value added courses	Date of introduction	Number of students enrolled
Environmental Studies (MEL212)	July2019	158
TTL211/TML211/TPL211/TCL211/TFL211 Environ Studies	July2019	258
Professional Ethics T. Y. B. Tech Textile	July 2019	274
Environment Studies (ELL 211)	July2019	134
Environmental studies (ITL209)	July2019	74
Environmental Studies(ETL211)	July2019	63
Environmental Studies(CSL209)	July2019	74
Soft skill (CSI310)	July2019	75
Soft skill lab(ITP208)	July2019	71
Corporate Ethics(MBL238)	July2019	58

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Details-Annexure-III	

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5)Parents
Yes	Yes	Yes	Yes	Yes

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

   All the departments collect and analyze Students feedback for faculty. This feedback is scrutinized by incharge of respective departments and after discussing with higher authorities, faculty members are given either appreciation letter for better performance or suggestions for further improvements.

   Employer's feedback regarding curriculum and Industry requirements are collected by TPO and discussed with respective departments for necessary actions. This employer's feedback regarding curriculum is considered during curriculum revision.

   Faculty feedback for the institute is collected and analysed and suggestions and hints for covering the grey area are implemented.

   Every year institute arranges Alumni meet on 26th Jan. Large number of alumni participates in alumni meet. All departments through alumni interaction get to know recent best practices and requirements of the industry. These changing needs are incorporated in curriculum.

   Every year all the departments of the institute arrange parents meet. In parents meet, parents are made aware of changing needs of industries and eligibility criteria for students to appear for campus interviews. Parents are also updated with the attendance and semester exam-I and II marks of their ward for necessary action; also the views and suggestions of parents are appreciated and considered for implementation in the curriculum.

CRITERION II – TEACHING, LEARNING AND EVALUATION

2.1 Student Enrolment and Profile			
2.1. 1 Demand Ratio during the year			
Name of the Programme	**Number of seats available**	**Number of applications received**	**Students Enrolled**
Textile Technology	60 +3 (TWFS)+6 (EWS)		59+3 (TWFS)+6 (EWS)+2(JK)
Textile Chemistry	60 +3 (TWFS)+6 (EWS)		60 +3 (TWFS)
MMTT	60 +2 (TWFS)+3 (EWS)		30 +2 (TWFS)
TPE	30 +2 (TWFS)+3 (EWS)		30 +2 (TWFS)
Fashion Technology	30 +2 (TWFS)+3 (EWS)		30 +2 (TWFS)+1 (EWS)
Electronics Engineering	90 + 5(TWFS)+9 (EWS)		73 +5 (TWFS)
Mechanical Engineering	120+6 (TWFS)+12 (EWS)		102 +5 (TWFS)+2 (EWS)
Computer Science & Engineering	120+6 (TWFS)+12 (EWS)		120 +5 (TWFS)+12 (EWS)
Electronics & Telecommunication Engineering	60 +3 (TWFS)+6 (EWS)		52 +2 (TWFS)+2 (EWS)
M.B.A.	60		60
M.B.A. (Text)	60		45
Civil Engineering	60 +3(TWFS)+6 (EWS)		50 +3 (TWFS)+1 (EWS)+2(JK)
Electrical Engineering	60 +3 (TWFS)+6(EWS)		50 +2 (TWFS)+1 (JK)

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019-20	**3148**	**235**	**157**	**25**	**182**

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

182	182	LCD Projector, OHP, Online Platforms (moodle, Microsoft teams, zoom, google meet etc.) Smart phone, Laptops, WiFi	40	04	NPTEL Video Lectures, Online lectures. Animations, Power Point Presentations, ebooks, Youtube videos, Webinars etc

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)
Yes, Students mentoring system is available in the institute. Department designates mentor activity coordinator. At the start of each academic year the coordinator allots a batch of students to a mentor. (Batch size is between 15-20 students). The coordinator provides the templates for the records to be maintained including Student data, Minutes of meeting, Monthly report and End semester report etc. The mentor conducts the meeting of the students once in a week. During the COVID-19 pandemic situation, the mentoring meet was conducted online using different platforms such as Google meet, zoom, Microsoft teams etc. The discussion on Academics, Infrastructure, Co-curricular and Extracurricular activities, Professional guidance is carried out in the mentoring meet. Each mentor sends a monthly report to the class coordinator. The coordinator forwards a summary to Head of the department for necessary actions on unresolved topics. At the end of each semester, the coordinator prepares a summary of the mentoring activity along with feedback on the action taken. Mentoring Faculty encourage the students and inform them to approach the Industry-Institute Partnership cell, Entrepreneurship development cell and Career guidance cell available at institute. Professional guidance is provided by arranging lectures of eminent personalities from Academic, Industry & Social spheres. A mentor motivates students to participate in extracurricular activities in addition to academics for example literary, cultural and sports which offer avenues for leadership qualities, decision making abilities, team spirit, precision, analytical capabilities, socio-psychological awareness etc. which make an individual an intellectually mature human being. Individual attention to students through mentoring contributes to improvement in student's performance and confidence level. Students' academic performance like class attendance, test results is improved and participation in co-curricular activities, paper presentations, technical competition, and participation in social activities are increasing. The strong mentoring activity also helps to identify student's inclination towards research & innovation.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
3383	**182**	**18.58:1**

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
182	**182**	**-**	**-**	**35**

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

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019-20	Prof. (Dr.) P.V. Kadole	Director	Best Engineer Award in Textile by Rotary Club of Ichalkaranji.
2019-20	Prof. (Dr.) P.V. Kadole	Director	Director of the Year at IP Top Education Brands
2019-20	Prof. (Dr.) M.Y. Gudiyawar	Professor	Best Engineer Award in by Institution of Engineers (India)
2019-20	Prof.Dr.V.R. Naik	Professor & HOD Mechanical Department	Academic Council Member(VC Nominee, BOG Member)
2019-20	Prof.Dr.D.V. Kodavade	Professor& Dean	Fabulous EduTech Leader by World Education Congress
2019-20	Prof.Dr. V.D.Shinde	Professor	BOS Mechanical Engineering, Foundry Technology Shivaji University, Kolhapur
2019-20	Prof. Dr. V.D.Shinde	Professor	Reviewer for Materials Today Proceeding
2019-20	Prof. Dr. V. D.Shinde	Professor	Reviewer for Advances in Materials & Processing Technologies.
2019-20	Prof.Dr. V.D.Shinde	Professor	BOS Mechanical Engineering, ADCET, Ashta Shivaji University, Kolhapur,
2019-20	Prof. A. D. Kadage	Assistant Professor	Panel Member for selection committee of HOD at YCP, Ichalkaranji
2019-20	Prof. A. D. Kadage	Assistant Professor	Reviewer for MAT journal
2019-20	Prof. S. R. Prasad	Assistant Professor	Acted as interview panel Member at KWC, Sangli for selection of Senior Research Fellow for ISRO sponsored project
2019-20	Prof. M. K. Patil	Assist. Professor	"I2OR Outstanding Educator Award 2019" by International Institute of

			Organized Research (I2OR) at 4th International convention on Interdisciplinary Research for sustainable Development held at Confederation of Indian Industry (CII) Chandigarh (UT) India, on 10th January 2020.
2019-20	Prof. A.A. Raybagi	Asst. Prof.	Best Durga Shakti Award By Rotary Club of Ichalkaranji.
2019-20	Prof. A. A.Hulle	Asst. Prof.	Best Digital Marketer in Education Award by ASMA India.

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 (Makeup session of A.Y. 2019-2020 – Supplementary Exam for Backlog)

* Because of COVID-19 Pandemic situation, as per guidelines received from UGC / Shivaji University, Kolhapur / State Government of Maharashtra the Summer Examination of First Year (Sem-2), Second Year (Sem-4), Third Year (Sem-6) B.Tech. & First Year (Sem-2) M.Tech. / M.B.A. all programs of A.Y. 2019-2020 were not conducted. The results were processed using students 50% marks of previous semester & 50% marks of CIE of current semester.

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
Textile Technology	UTT	1, 2 & 3 year	23-11-2020	12-12-2020
Man Made Textile Technology	UTM	1, 2 & 3year	23-11-2020	12-12-2020
Textile Plant Engineering	UTP	1, 2 & 3year	23-11-2020	12-12-2020
Textile Chemistry.	UTC	1, 2 & 3 year	23-11-2020	12-12-2020
Fashion Technology	UTF	1, 2 & 3 year	23-11-2020	12-12-2020
Electronics Engineering	UEL	1, 2 & 3 year	23-11-2020	12-12-2020
Mechanical Engineering	UME	1, 2 & 3 year	22-11-2020	12-12-2020
Computer Science & Engineering	UCS	1, 2 & 3 year	22-11-2020	12-12-2020
Electronics & Telecommunication Engineering	UET	1, 2 & 3 year	22-11-2020	12-12-2020
Information Technology	UIT	1, 2 & 3 year	22-11-2020	12-12-2020
Civil Engineering	UCE	1&2 year	22-11-2020	12-12-2020
Electrical Engineering	UEE	1 &2 year	22-11-2020	12-12-2020
M.B.A.	PMB	1 year	24-11-2020	12-12-2020
M.B.A. (Textile)	PMT	1 year	25-11-2020	12-12-2020

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year
*Do not include re-evaluation/ re-totalling

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	3343	0%

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)

For Textile Technology Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-textile-technology/b-tech-textile-technology-vision-mission
Course outcomes for each course in Textile Technology is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-textile-technology/b-tech-textile-technology-syllabus
For Man Made Textile Technology Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-manmade-textile-technology/b-tech-manmade-textile-technology-vision-mission
Course outcomes for each course in Man Made Textile Technology is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-manmade-textile-technology/b-tech-manmade-textile-technology-syllabus
For Textile Plant Engineering Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-textile-plant-engineering/b-tech-textile-plant-engineering-mission-vision
Course outcomes for each course in Textile Plant Engineering is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-textile-plant-engineering/b-tech-textile-plant-engineering-syllabus
For Textile Chemistry Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-textile-chemistry/vision-mission
Course outcomes for each course in Textile Chemistry is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-textile-chemistry/b-tech-tc-syllabus
For Fashion Technology Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-fashion-technology/b-tech-fashion-vision-mission
Course outcomes for each course in Fashion Technology is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/textile-department/b-tech-fashion-technology/b-tech-fashion-syllabus

For Electronics Engineering Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-electronics-engineering/b-tech-electronics-vision-mission

Course outcomes for each course in Electronics Engineering is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-electronics-engineering/syllabus

For Mechanical Engineering Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-mechanical-engineering/b-tech-mech-vision-mission

Course outcomes for each course in Mechanical Engineering is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-mechanical-engineering/b-tech-mech-syllabus

For Computer Science Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-computer-scengineering/b-tech-cse-vision-mission

Course outcomes for each course in Computer Science is available in the syllabus on the following link
 https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-computer-sc-engineering/b-tech-cse-syllabus

For Electronics and Telecommunication Engineering Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-electronics-telecommunication-engineering/b-tech-etc-vision-mission

Course outcomes for Electronics and Telecommunication Engineering is available in the syllabus on the following link

https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-electronics-telecommunication-engineering/b-tech-etc-syllabus

For Electrical Engineering Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-electrical-engineering/b-tech-ele-vision-mission

Course outcomes for Electrical Engineering is available in the syllabus on the following link
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-electrical-engineering/b-tech-ele-syllabus

For Civil Engineering Department link for PEOs, POs and PSOs is given below
https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-civil-engineering/b-tech-civil-vision-mission

Course outcomes for Civil Engineering is available in the syllabus on the following link

https://www.dkte.ac.in/under-graduate/engineering-department/b-tech-civil-engineering/b-tech-civil-syllabus

For MBA Department link for PEOs, POs and PSOs is given below

https://www.dkte.ac.in/mba/pg-mba-all-mission-vision

Course outcomes for MBA is available in the syllabus on the following link

https://www.dkte.ac.in/mba/pg-mba-all-syllabus

2.6.2 Pass Percentage of students **(A.Y. 2019-2020)**				
Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
UTT	Textile Technology	87	87	100%
UTC	Textile Chemistry	76	76	100%
UTM	Man Made Textile Technology	39	39	100%
UTP	Textile Plant Engineering	36	36	100%
UTF	Fashion Technology	34	34	100%
UEL	Electronics Engineering	135	135	100%
UME	Mechanical Engineering	180	180	100%
UCS	Computer Science & Engg	80	80	100%
UET	Electronics & TeleCommu. Engg	78	78	100%
UIT	Information Technology	77	77	100%
PTT	Textile Technology	01	01	100%
PTX	Technical Textiles	02	02	100%
PTC	Textile Chemistry	01	01	100%
PEL	Electronics Engineering	06	06	100%
PME	Mechanical Engineering	05	05	100%
PCS	Computer Science & Engineering	04	04	100%
PMB	M.B.A.	56	55	98.21%
PMT	M.B.A. (Textile)	33	33	100%

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)

Institute has the mechanism for analyzing student feedback on institutional performance. Responses and opinions of the students on various processes, systems and infrastructure are collected in the following formats:
  ➢ Feedback about teaching staff
  ➢ Course Exit Survey
  ➢ Program exit survey
  ➢ Student Perception Survey
Student Perception Survey is conducted offline. The summary is available with HODs of the respective programs.

Below table signifies links for Course Exit Survey, Program Exit Survey and Feed back for respective programs:

Programme	Link (Course Exit and Program Exit Survey)	Feedback Link
Textile Engineering	http://210.212.172.216/textileces/login/index.php	https://online.dktes.com/feedback
Electronics Engineering	http://210.212.172.216/moodle1819	
Mechanical Engineering	http://192.168.42.101/moodle	
Computer Science & Engg	http://192.168.20.11/mod/feedback/view.php?id=535, https://forms.gle/Gsq2uvVSCdUKpRdE8	
Electronics & TeleCommu. Engg	http://192.168.20.6/feedback	
Information Technology	http://192.168.20.10/moodle/	
Electrical Engineering	http://192.168.20.6/feedback	
Civil Engineering	http://192.168.20.6/feedback	

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities			
3.1.1 The institution provides seed money to its teachers for research,			
Yes.......... No… ✔.... if yes give details			
Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
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3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year			

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	Nil	Nil	Nil	Nil
International	Nil	Nil	Nil	Nil

3.2 Resource Mobilization for Research					
3.2.1 Research funds sanctioned and received from various agencies, industry and other organizations					

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	3 Years	AICTE Under Skill and personality Development Program for SC/ST Students	1165000	291250
		Artificial Intelligence Lab from AICTE Under MODROB	1200000	960000
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects	1 Year	Collaborative IoT based Robotic Arm Jangs Technology, Kabnur Jangs Technology, Kabnur CKELP Ltd Indore Dr. Amar Kulkarni Clinic Guru Mauli Textiles, Ichalkaranji	150000 4000 5000 5000 5000 7000	176000
Energy storing body panels	1 year	Tata Technology	75000	75000
Projects sponsored by the University/ College	1 year	Shivaji University Kolhapur	10000	10000
Students Research Projects *(other than compulsory by the*				

College)				
International Projects				
Any other(Specify)				
Total				

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years

Nature of the Project	Duration Year From To	Title of the Project	Name of the Funding Agency	Total Grant (Rs in lakhs) Sanctioned received
Smart Foundry 2020	Ongoing	SMART FOUNDRY	DST, Delhi.	23.95
Research Initiation	2019-2020	1) Hybridization of web page recommender system based on Machine Learning Techniques 2) Design and Development of Model for sentiment Analysis 3) Query Optimization in uncertain and probabilistic databases 4) Efficient Methods for facial age estimation by learning from label distributions	Shivaji University Kolhapur	2.40

3.3 Innovation Ecosystem

3.3.1 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(s)
Workshop on Intellectual Property Rights	MyCrave Inc. Vadodara	20th to 23rd January 2020.
Renewable Energy Sources	Electronics	3/09/2019, 04/09/2019, 14/09/2019
Analog Digital & Mixed Signal VLSI Design using Cadence EDA Tool Lab	Electronics	5/9/2019, 7/9/2019
Hands on training of Power Plant Familiarization	Electronics	2/12/2019, 7/12/2019
Mfg. and testing of HT / HV Power Capacitor, Capacitors Bank , Low Voltage Panel Mounted APP Capacitor & Low Voltage MPP Capacitors	Electronics	2/12/2019 to 14/12/2019
Internet of Things, ARM, PIC Microcontroller platforms	Electronics	9/12/2019 to 20/12/2019
MELSEC FX5U PLC, GS series HMI and Advanced Position control using MR JE A Servo and VFD	Electronics	16/1/2019 to 20/12/2019

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Analog Digital and Mixed Signal VLSI Designs using Cadence EDA Tool	Electronics	6/1/2020 to 11/1/2020
Digital Marketing	Electronics	13/1/2020 to 17/1/2020
Industrial Automation	Electronics	9 to 11/09/ 2019
Renewable Energy Sources	Electronics	3/09/2019 to 8/09/2019
Opportunities in Core Industries	Electronics	06/12/2019
Cloud Computing	Electronics	26/12/2019
Carrier Opportunities in Sweden	Electronics	19/08/2019
Integrated Marketing Management	Electronics	09/01/2020
Interviews Skill	Electronics	15/01/2020
Entrepreneur	Electronics	25-01-2020
Bio-medical Engineering	Electronics	25-01-2020
PLC and Applications	Electronics	25-01-2020
Embedded System	Electronics	25-01-2020
Entrepreneur skill development	Electronics	25-01-2020
Soft-Skills	Electronics	25-01-2020
Softskill and Personality Development	Electronics	11,18 /01/ 2020
Technical C and C++ training	Electronics	20,21, 27,28/01/2020
Techsymposium	ETC	29/02/2020
Introduction to Python Programming	ETC	19-20/07/2019, 27/07/2019
Entrepreneurship Awareness	ETC	29-31/08/2019
Digital Signal Processing Algorithms: Applications and Implementation	ETC	2/12/2019 to 7/12/2019
Workshop on 'Patent Filing'	Mechanical	24/02/2020
Basic of IPR for TY B.Tech Mech.&Textile students	Mechanical	21/01/2020
Basic of IPR for TY B.Tech Computer Science/IT ,Electronics ETC,MBA students	Mechanical	22/01/2020
Workshop on drafting and filing and discussion on projects with regards to Patent filing and patent concepts for selected students of all branches	Mechanical	23/01/2020

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

Title of the innovation	Name of the Awardees	Awarding Agency	Date of Award	Category
IoT Based Collaborative Industrial Robotic Arm	C. Godbole- Team Leader Sourabh Kulkarni Akash Deshmukh Kirti Kirtane	Mitsubishi Electric Pvt. Ltd. India	15/02/2020	Mitsubishi Electric Cup 2020, 1st Award (All over India Rank 4) 20000/- with medals and certificate

Title of the innovation	Name of the Awardees	Awarding Agency	Date of Award	Category
IoT Based Collaborative Industrial Robotic Arm	C. Godbole- Team Leader Sourabh Kulkarni Akash Deshmukh Shreyah Madhihalli Digvijaysinh Ajarekar	ABVP Maharashtra & Srijan Trust.	09/03/2020	DIPEX 2020 Best Degree Project – 1st Prize
Solar E-Bike	Pimpare Sana S Mali Pragati P Patil Shital R Surve Manasi S Mane Swati B Ghune Swati C	Government of India	May 2020	Smart India Hackathon 2020
Techno Bharati 2020	Vaibhav Badakar Yash Baheti V. Suryawanshi	BV College of Engg, Kolhapur	03/03/2020	First Prize Proj. competition
Electrohunt,	Revati Madnaik	DKTE TEI	29/02/2020	Runner Up Techsymposium 2k20
Techsymposium 2k20	Riddhi Joshi	DKTE TEI	29/02/2020	Winner
Circuitron 2K20 ETRON 2020	Sanamati Porlekar	RIT, Islampur	03/03/2020	Runner Up
C-war, INFOSAV 4.0	Manasi Sutar	RIT, Islampur	03/03/2020	Runner Up
Murder Mystery Enthuse 2020	Manasi Sutar	RIT, Islampur	03/03/2020	Runner Up
CODEC 2K20	Sanket Salavi	DKTE TEI	29/02/2020	Runner Up
Code-O-Fiesta,	Sanket Salavi	DKTE TEI	29/02/2020	Runner Up
National Level Go Karting event at MET Bhujbal Knowledge City, Nashik	Team DKTE Drifters	MET Bhujbal Knowledge City, Nashik	22 to 24/01/2020	Students
50 Fabulous EduTech Leaders	Prof. Dr. D. V. Kodavade	Word Education congress in Mumbai	04/07/2019	Education Leadership Award
"C-War"	P. Saraf and H. Chandok	RIT, Sakharale	03/03/2020	Coding Contest
Augmented Reality (AR) Lensathon	Miss Apoorva Pise	Snapchat India	June 2020	An Augmented Reality online Hackathon

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year		
Incubation Centre	**Name**	**Sponsored by**
DKTE TBI	Textile and Garment Technology	DST GOI, NEW DELHI
Software Incubation Center	Software Incubation Center	Institute (Self)
Name of the Start-up	**Nature of Start-up**	**Date of commencement**
Adhish Textiles	Innovation in Textiles	13/02/2020

3.4 Research Publications and Awards
3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph.D Awarded
Textiles	06

3.4.2 Research Publications in the Journals notified on UGC website during the year			
	Department	No. of Publication	Average Impact Factor, if any
National	Textiles	13	0.3
International	Textiles	12	0.75
International	Electronics	21	3
International	ETC	5	4
International	Mechanical	26	3
International	CSE & IT	5	3

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
Textiles	01
Electronics Engg	01
Information Technology	01

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
A method of making an Organic Meditation Mat using Natural fibre,	Published	202021041720	NIL
A method to produce needle punched nonwoven fabric using elastomeric staple fibre	Published	202010437888	NIL
Design of textile substrate which can be inserted in to suitable media such as face mask surgical.	Published	202021034612	NIL
Coin Operated shoe policing machine	Published	201921026458	NIL
An Electronic Assistance System for Deaf and Dumb	Published	201921026950	NIL
Apparatus for Nonwoven Needle Punching Machine to Detect Needle Breakages	Published	201921025357	NIL

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Curriculum Design and Implementation of Project-Based Learning for Electronics Engineering Graduates	Dr. L S. Admuthe A.V.Shah Mr.S.J.Patil	JEET	2019		Professor Asst. Prof Asst. Prof	0
Gigabit Ethernet Switch Characterization over VPX Backplane	V.S. Kumbhar Dr. L.S. Admuthe V.B.Kumbhar	IJITEE	2019		Asst. Prof Professor Asst. Prof	0
Designing & implementation of Quad copter Drone for aerial surveillance and other applications	S.A.Pore Dr. L. S. Admuthe	IJERA	2019		Asst.Prof Professor	0
A Forest Change Detection using auto Regressive Model based Kernel Fuzzy Clustering	Dr.V. Jayshree	IJEAT	2019		Professor	0
AC Hum Noise Reduction using Novel Complementary Pair VSSLMS Algorithm	S.M. Karmuse	IJISA	2019		Asst. Prof	0
Android Based Home Automation System with Power Optimization Modes	S.M. Karmuse	IRJET	2019		Asst.Prof	0
Pose invariant Hand gesture recognition using two stream transfer learning architecture	A.R. Patil	IJEAT	2019		Asst. Prof	0
Smart And Interactive Mirror using PI	Yogita V Sawant	IJSRD	2019		Asst. Prof	0
FPGA Implementation of the Hybrid Model of DDS using LUT	D.K. Gupta N.B. Kapase M.K.Patil B.N. Sachidanand S.P.Salgar	IJSRD	2019		All Asst. Prof	0
Sensor based Fire Detection in Forest using Atmega328p,	M.K. Patil Gupta D. K.	IJSRED	2019		All Asst. Prof	0

Zigbee and GSM	N.B. Kapase					
Confidence Level Based Unblend Neighbour Selection & Blend Node Report Based Optimised Route Formation in MANET	S.J.Patil, Dr. L. S. Admuthe	IJCNC	2020		Asst. Prof Professor	0
A Comparative Study of Various Methods for Forest Change Detection	Dr.V.Jayshree	IJGDC	2020		Professor	0
A Forest Change Detection using auto Regressive Model based Kernel Fuzzy Clustering: Advanced Study (Book Chapter)	Dr.V.Jayshree	ETERT	2020		Professor	0
A Passive Blind Forgery Detection Technique to Identify Frame Duplication Attack	J.P. Kharat	MTA	2020		Asst. Prof	5
Smart Fabric Folding Machine	S. A. Pore	IJRESM	2020		Asst. Prof	0
SOLAR E – BIKE	S. A. Pore	IJSREM	2020		Asst. Prof	0
IoT Based Air Quality Monitoring for Smart City	U. A. Patil	IITIT	2020		Asst. Prof	0
A Longitudinal Ageing Analysis of Vocal Parameters of Singing Voice of Female Playback Singer	D. N. Dhang	IJEAT	2020		Asst. Prof	0
Advanced Accident Prevention System	S.M. Karmuse	IJSREM	2020		Asst. Prof	0
A Review on Real Time Heart Rate Monitoring System using USB Camera	S.M. Karmuse	IJECS	2020		Asst. Prof	0
Survey On: Cereal Grain Classification and quality Grading	A.R. Patil	IJARIIE	2020		Asst. Prof	0
Automatic Solar Dust Cleaning System & Time Operated MPPT	V.B. Kumbhar	IJRASET	2020		Asst. Prof	0
Implementation of Home Automation on Spartan FPGA Board using Bluetooth	P. S. Puri V.R.Modani	IJSRED	2020		All Asst. Prof	0
Smart And Interactive Mirror using PI	Y. V sawant	IJSRD	2020		Asst. Prof	0
Sensor based Fire Detection in Forest using Atmega328p,Zigbee and GSM	M.K. Patil Gupta D. K. N.B. Kapase	IJSRED	2020		All Asst. Prof	0

Real Time Automatic Fault Detection and Control using IOT	S. P. Salgar	IJSRED	2020		Asst. Prof	0
Intelligent Self-Parking Chair	S.Y. Upadhye	IJIREEICE	2020		Asst. Prof	0
Smart Electronic School Bus for Children Transportation	M.K. Patil	IJIRT	2020		Asst. Prof	0
Hand Gesture Controlled Car	A.R. Patil	IJSREM	2020		Asst. Prof	0
Design And Implementation of IoT Based Smart Water Heating System	A.R. Patil	IJCRT	2020		Asst. Prof	0
Segregation of Plastic Bottles using Open CV	Vaibhav Davande	IJSDR	2019 -20	-	Asst. Prof	0
Real Time Data Logging of Different Parameters of Airjet Looms	Vaibhav Davande	IJEAT	2019 -20	-	Asst. Prof	0
A Study on-the Wireless Technology	A P Athane	IJTRE	2019 -20	-	Asst. Prof	2
Coronavirus Disease (Covid-19) Outbreak And Face Masks – An Overview	A P Athane	IJTRE	2019 -20	-	Asst. Prof	1
An electronic Assistance system for Deaf and dumb	A D Kadage	Patent Journal	2019 -20	-	Asst. Prof	0
Sorting Of Fruits Using Image Processing	A D Kadage	IJSDR	2019 -20	-	Asst. Prof	0
Iot Based Automation In Agricultural Field	A D Kadage	IJSDR	2019 -20	-	Asst. Prof	0
Braille to text conversion using slot sensorised hand glove	A D Kadage	IRJET	2019 -20	-	Asst. Prof	0
Hum noise reduction using Novel complementary pair VSSLMS algorithm	S R Prasad	IJEAT	2019 -20	-	Asst. Prof	0
Car Black Box	A R Telepatil	IRJET	2019 -20	-	Asst. Prof	0
Intelligent car	A R Telepatil	IRJET	2019 -20	-	Asst. Prof	0
Intelligent Baby Monitoring System	A R Telepatil	IJRAT	2019 -20	-	Asst. Prof	0
Fretting Fatigue Rupture Detection of Conductor Using UAV and Image Processing	V B Sutar		2019 -20	-	Asst. Prof	0
Bio-inspired synthesis of catalytically and biologically active palladium nanoparticles using Bos taurus urine	S R Prasad	SN Applied Sciences	2019 -20	-	Asst. Prof	1

Solar Powered Intelligent Grass Cutter Robot	S R Prasad	IJSDR	2019-20	-	Asst. Prof	0
Greenhouse Automation Using Iot	S R Prasad	IJSDR	2019-20	-	Asst. Prof	0
IVRS based Student Academic Performance Monitoring System	S R Prasad	IRJET	2019-20	-	Asst. Prof	0
Color Sorting and Pick Place Robot	P.C. Dhanawade	IJSDR	2019-20	-	Asst. Prof	0
Smart Identification Using Biometric	P.C. Dhanawade	IJRESM	2019-20	-	Asst. Prof	0
Advanced Sanitary Napkin Vending Machine	P.C. Dhanawade	IJRASET	2019-20	-	Asst. Prof	0
Real Time Data Logging of Different Parameters of AirJet Looms	P.C. Dhanawade	IJEAT	2019-20	-	Asst. Prof	1
Areview on Credit Card Fraud Detection Using Machine Learning	Dr. S.K. Shirgave	IJSTR	2019		Asso. Professor	0
Stable Confident Rating Prediction in Collaborative Filtering	Dr. S.K. Shirgave	IJITEE	2019		Asso. Professor	0
Template based Clustering of Web Documents using Locality Sensitive Hashing (LSH)	T.I. Bagban	Springer AISC	2019		Asst. Prof	0
Cheating Prevention in Improved Exteded Progressive Visual Cryptography Scheme	S.B. Bhagate	Springer AISC	2019		Asst. Prof	0
Use of purpose and role based access control mechanism to protect data within RDBMS	S. K. Patil, S.C.Sagare, A.S.Shelar	IJSI	2019		Asst. Prof	0
Design and development of corn chaff peeling machine	Dr. V. R. Naik	IRJET	2019		Professor	0
Guide Bracket Optimization and Manufacturing using Rapid Prototyping	Dr.V. R.Naik, V. B. Magdum	IJITEE	2019		Professor Asst. Professor	
Quality Improvement of Ductile Iron Casting by Thermal Analysis	Dr. V. D. Shinde	IRJET	2019		Professor	
Shape Optimization of Ring Shaped Load Cells for Enhancing Sensitivity at Lower Deflection using FEM	V. A. Kamble, Dr. V. D. Shinde	JRMEAM	2019		Asst. Prof Professor	
Assessment of Sand	Dr. V. D.	IJPQM	2019		Professor	

Reclamation Techniques and Sand Quality in Thermal Reclamation	Shinde, S. B. Rayjadhav				Asst. Prof	
Design and Development of Machine to Remove Outer Cover of Groundnut	V. A. Kamble	JRTM	2019		Asst. Prof	
Effect of Specimen Dimensions on Yield Shear Stress in Torsion Testing by using Taguchi Method and GRA	R. D. Patil, P. N. Gore	IJEAT	2019	1	Asst. Prof Asso. Professor	
Analysis of machinability in ductile iron casting	Dr. V. D. Shinde	Procee. of ICR-AMM	2019		Professor	
Development of patient specific knee joint implant	A. R. Balwan, Dr. V. D. Shinde	Procee. of ICR-AMM	2019	1	Asst. Prof Professor	
Quality & Yield improvement of Ductile Iron Casting using Simulation Technique	B. B. Kabnure Dr. V. D. Shinde	Procee. of ICR-AMM	2019	1	Asst. Prof Professor	
Design and development of intelligent handling system for components in small and medium scale industries	S. A. Soundattikar	Procee. of ICR-AMM	2019	2	Asst. Prof	
Shape optimization of washer load cell using GRA method	R R. Kolhapure, M. R. Rawal, S. B. Rayjadhav, B. B. Kabnure, G.C. Mekalke, V.R. Balwan	Procee. of ICR-AMM	2019	3	All Asst. Prof	1
Performance analysis of microchannel heat sink with secondary flows and flow disrupting pins	V.P. Gaikwad	Int.Conf. ISHMT	2019		Asst. Prof	
Production of biogas with aquatic weed water hyacinth and development of briquette making machine	Dr.V.R. Naik	MSET	2020		Professor	
Optimization of spark ignition engine adapting Taguchi access & response surface methodology	Dr.V.R. Naik	Fuel Journal Elsevier	2020		Professor	
Assessment of Sand Reclamation Techniques and	Dr.V.D.Shinde S.B.	IJPQM	2020		Professor Asst. Prof	

Sand Quality in Thermal Reclamation	Rayjadhav					
Analysis of machinability in ductile iron casting	Dr.V.D. Shinde	Materials Today: Proceedings	2020		Professor	
Stir cast aluminium metal matrix composites with mechanical and micro-structural behavior: A review	Dr.V.D. Shinde	Materials Today: Proceedings	2020		Professor	
Development of patient specific knee joint implant	Dr.V.D. Shinde	Materials Today: Proceedings	2020		Professor	
Quality and yield improve-ment of ductile iron casting by simulation technique	B.B. Kabnure, Dr.V.D. Shinde	Materials Today: Proceedings	2020		Asst. Prof Professor	
Design and working of a varying force measuring device	V.A. Kamble, Dr.V.D. Shinde	Patent Office Journal	2020		Asst. Prof Professor	
Shape Optimization of Ring Shaped Load Cells for Enhancing Sensitivity at Lower Deflection using FEM	V.A. Kamble, Dr.V.D. Shinde	JRMEAM	2020		Asst. Prof Professor	
IoT based Smart Particle Processor	Dr.V.D. Shinde, U.A. Patil	Patent Office Journal	2020		Professor Asst. Prof	
Portable continuous reclamation system	Dr.V.D.Shinde S.B. Rayjadhav	Patent Office Journal	2020		Professor Asst. Professor	
Development of CNC Micro-milled Leaf-Pattern Micro-channel Heat Sink (LP-MCHS) & Testing Using Nano fluids	V.P. Gaikwad	IOP Conf. Series: Mate. Science & Engg	2020	4	Asst. Prof	
Design & Development of Intelligent Handling System for components in Small and Medium Scale Industries	S.A. Soundattikar	Materials Today: Proceedings	2020	2	Asst. Prof	5
Automated and Wireless Controlled Pick and Place Robot Manipulator	A.V. Sutar	IRJET	2020	1	Asst. Prof	
Design and development of multi spindle drilling	K.K. Powar	IRJET	2020		Asst. Prof	

special purpose machine for pump cover						
Design Procedure And Impact Of Fixed Type Automation For Billet Loading	K.K. Powar	IRJET	2020		Asst. Prof	
Heat Transfer Augmentation by Forced Convection From Various Ribbed Surfaces	U.S. Bongarde	IRJET	2020		Asst. Prof	
Design and Development of Small Quantity Lubrication (SQL) cooling System	R.D.Patil	IJARIIE	2020	1	Asst. Prof	
Shape optimization of washer load cell using GRA method	R.R. Kolhapure, M.R. Rawal, S.B. Rayjadhav, B.B. Kabnure, G.C. Mekalke, R.D. Patil, V.R. Balwan	Materials Today: Proceedings	2020	3	All Asst. Prof	1
Design and Fabrication of Low Cost Sweet (Pedha) Making Machine	R.D. Patil, V.R. Balwan	JPDQET	2020	1	Asst. Prof Asst. Prof	

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)						
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
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3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :				
No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	13	76	8	1
Presented papers	10	01	--	--
Resource Persons	---	02	--	--

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of Consultant department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Textiles	TBI	DKTE's TEI (Shree Chhatrapathi Textile Development forum, Rendal; Pruthvi Electric Bikes, Ichalkaranji; Jambhekar Automation Solutions; Tex US; Adhish Textiles; Saraswat Co-op Bank; (UNDER TBI)	62000
Textiles	TIFAC	Bristi Ummelewara, & Nur Nahar Aktar, BMEA, University of Fashion & Technology, Bangladesh (UNDER TIFAC)	14000
Electronics	Ladder program development for carton packaging machine	Prolific Pune	20000
Electronics	Software development for water distribution system	Protrex Mumbai	20000
Mechanical	Foundry Consultancy Fan Bracket	Parvati Foundry, Mangaonwadi	5000

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Textile department	Coating Technology	RIT Institute, Islampur	700.00	01
Textile department	Physical Testing	Saraf Suppliers, Ichalkaranji.	1000.00	01

3.6 Extension Activities

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

Title of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
World Environment Day Wednesday-05th June 2019	NSS TEI	5	25
International Day of Yoga	NSS TEI with Art of Living	5	50

Tilak Punya Tithi & Blood Donation Camp	NSS TEI With Adhar Bood Bank Ichalkaranji	15	150
Kargil Vijay Diwas 26/07/2019	NSS TEI	5	100
Swach Bharat Abhiyan Pakhwada	NSS TEI	02	105
Rakshabandhan with Orphanage Children Saturday- 24/08/2019	NSS TEI With withBalodyan Orphan Abdul Lat	10	50
Ganesh Festival Programme & Funfair with Orphanage Children	Ganesh Festival Program & Funfair with Orphanage Children	5	50
International Literacy Day 08/09/2019	NSS TEI	4	30
Engineers Day 15/09/2019	NSS TEI	5	35
NSS Day 24/09/2019	NSS TEI	8	55
NSS CAMP 2 to 08/01/2020	NSS TEI	3	70

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/ recognition	Awarding bodies	No. of Students benefited
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3.6.3 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 **co-ordinated** such activities	Number of students participated in such activities
N.S.S	DKTE'S Textile and Engineering Institute	Swachh Bharat Abhiyan	2	50

3.7 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
Student Exchange Program	2	Self Funded	Two semesters

3.7.2 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-To)	Partici pant
Internship	In-plant Training	Various textile industries like Welspun, Raymond, Trident Group, Vardhaman, Reliance, Jayashree Textiles, Birla Century, Proklean Technology (Total no. of companies – 100)	June 2019 to July 2019 (third year B. Tech students)	311
Internship	In-plant Training	Various textile industries like Welspun, Raymond, Trident Group, Vardhaman, Reliance Total No. of companies- 72	Dec 2019 to Jan 2020 (Final Year)	225
Internship	International Internship programme	Technical University of Liberc, Czech republic	July 2019 to Aug 2019	06
Internship	International Internship programme	HOF University, Germany	July 2019 to August 2019	18
Pre-placement offer	Internship & Project work	B. R. Specialities, Himatsingka Group, Welspun India, Vardhaman Industries, Proklean Technologies Jayashree Textile Birla Century (7 companies)	July to Aug 2019	38
Industrial Training	Industrial Training	Adani Electricity, Adani Dahanu Thermal Power Station (ADTPS)	02/12/2019 to 07/12/2019	35
Industrial Training	Industrial Training	Sharda Electronics & Co, Sangli	07/12/2019 to 21/12/2019	29
Industrial Training	Industrial Training	Prolific Systems & Technologies Pune	01/12/2019 to 10/12/2019	21
Industrial Training	Industrial Training	Mitsubishi Electric India Pvt. Ltd	03/12/2019 to 07/12/2019	24
Industrial Training	Industrial Training	Entuple Technologies, Bangalore	06/01/2020 to 11/01/2020	24
Training	Training	COEP, Pune	9 to 14/12/2020	1
Training	Training	IPR Journal, Govt Agency	16/8/2019	2
Industrial Training	Industrial Training	Mitsubishi Electric India Pune	Dec 2019	22
Industrial Training	Industrial Training	D sign Design Kagal	May 2019	1
Industrial Training	Industrial Training	Maven Silicon Pvt. Ltd	May 2019	1

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Partici pant
Project Work	Project Work	Mitsubishi Electric	July 2019-April 2020	5
Project Work	Project Work	CKELP Ltd Indore	July 2019-April 2020	5
Project Work	Project Work	Jangs Technology Ichalkaranji	July 2019-April 2020	10
Project Work	Project Work	Guru Mauli Textiles, Ichalkaranji	July 2019-April 2020	5
Project Work	Project Work	Dr. Amar Kulkarni Clinic	July 2019-April 2020	5
Training/ Internship	Training/ Internship	Edgate Technologies Bangalore	06/01/2020	
Internship	Training	Menon Pistons Company	28/11/19-13/12/19	1
Internship	Training	Kaivalya Engineering,Pune	- do -	1
Internship	Training	Menon Pistons Company	- do -	1
Internship	Training	Menon Pistons Company	- do -	1
Internship	Training	Bharat Forge, Pune	21/11/19-20/12/19	1
Internship	Training	Bharat Forge Ltd	- do -	1
Internship	Training	Fie Instruments & Engineers	1/12/19-15/12/19	1
Internship	Training	Fie Instruments & Engineers.	- do -	1
Internship	Training	Omkar Enterprises, Jaysingpur	- do -	1
Internship	Training	Fie Industries, Yadrav-1	- do -	1
Internship	Training	Omkar Enterprises, Jaysingpur	- do -	1
Internship	Training	Omkar Enterprises, Jaysingpur	- do -	1
Internship	Training	Omkar Enterprises, Jaysingpur	- do -	1
Internship	Training	Dolphine & Dolphine Const. Equip. Pvt. Ltd. Shinoli	- do -	1
Internship	Training	Netmech Engineering	- do -	1
Internship	Training	Fie Industries, Yadrav	- do -	1
Internship	Training	Jason's Foundry Kupwad	- do -	1
Internship	Training	Fie Instruments & Engineers	- do -	1
Internship	Training	Jason's Foundry Kupwad	- do -	1
Internship	Training	Sourabh Metals, Kolhapur	- do -	1
Internship	Training	Sourabh metals, Kolhapur	- do -	1
Internship	Training	Ved Industries, Hatkanangale	2/12/19-15/12/19	1
Internship	Training	Ved Industries, Hatkanangale	- do -	1
Internship	Training	Ved Industries, Hatkanangale	- do -	1
Internship	Training	Ved Industries, Hatkanangale	- do -	1
Internship	Training	Shree Datta Technosolutions	2/12/19-17/12/19	1
Internship	Training	Shree Datta Technosolutions	- do -	1
Internship	Training	Prag Engineering Corp. Miraj	15/12/19-29/12/19	1
Internship	Training	Chintamani Industry	25/11/19-10/12/19	1

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Partici pant
Internship	Training	Laxmi Rubber Industries	- do -	1
Internship	Training	Laxmi Rubber Industries	- do -	1
Internship	Training	Saroj Engineers, Jaysingpur	20/11/19-10/12/19	1
Internship	Training	Jagdish Iron And Steels, Miraj	- do -	1
Internship	Training	Ace Micromatic Group	23/11/19-7/12/19	1
Internship	Training	Ace Micromatic Group	- do -	1
Internship	Training	Ace Micromatic Group	- do -	1
Internship	Training	Ace Micromatic Group	- do -	1
Internship	Training	Mahabal Metals Pvt. Ltd.-1	7/12/19-22/12/19	1
Internship	Training	Mahabal Metals Pvt. Ltd.-1	- do -	1
Internship	Training	Rail Coach Factory Kapurthala	10/12/19-31/12/19	1
Internship	Training	Technovision Auto Compo. Jaysingpur	12/12/19-25/12/19	1
Internship	Training	Technovision Auto Compo. Jaysingpur	- do -	1
Internship	Training	Sanmati Group Of Industries	15/12/19-30/12/19	1
Internship	Training	Technovision Auto Components Jaysingpur	- do -	1
Internship	Training	Technovision Auto Components Jaysingpur	- do -	1
Internship	Training	Shree Datta Industries,Shirol-1	20/11/19-5/12/19	1
Internship	Training	Krystal Industires, Ichalkaranji	4/12/19-19/12/19	1
Internship	Training	Krystal Industires, Ichalkaranji	- do -	1
Internship	Training	Rebell Engineers Pvt.Limited	20/11/19-20/12/19	1
Internship	Training	Jagdish Iron and Steels, Miraj	27/11/19-11/12/19	1
Internship	Training	Jagdish Iron and Steels, Miraj	- do -	1
Internship	Training	FIE	27/11/18-7/12/18	1
Internship	Training	Mahabal Metals Pvt. Ltd	- do -	1
Internship	Training	Mahabal Metals Pvt. Ltd	27/11/19-12/12/19	1
Internship	Training	Mutha Industries, Satara	- do -	1
Internship	Training	Mahabal Metals Pvt. Ltd.-1	7/12/19-22/12/19	1
Internship	Training	Mahabal Metals Pvt. Ltd	27/11/19-12/12/19	1
Internship	Training	Mahabal Metals Pvt. Ltd	- do -	1
Internship	Training	Trimurti Engg. Tool, Sangli	5/12/19-20/12/19	1
Internship	Training	Advance Technoworks, Ichal.	20/11/19-4/12/19	1
Internship	Training	Pako Engineering, Palus	4/12/19-20/12/19	1
Internship	Training	Pako Engineering, Palus	- do -	1
Internship	Training	Pako Engineering, Palus	- do -	1
Internship	Training	Rebell Engineers Pvt. Ltd.	20/11/19-20/12/19	1
Internship	Training	Sanmati Group Of Industries	15/12/19-30/12/19	1
Internship	Training	Himanshu Industries	- do -	1
Internship	Training	Sanmati Group Of Industries	- do -	1

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Partici pant
Internship	Training	Mahalaxmi Ferro Cast Kagal	25/11/19-13/12/19	1
Internship	Training	Kirloskar Ebara Pump Ltd	12/31/2019	1
Internship	Training	Mahalaxmi Ferro Cast Kagal	25/11/19-13/12/19	1
Internship	Training	Menal Engineers DCS, Pune	20/11/19-10/12-19	1
Internship	Training	Jason's Foundry Kupwad	15/12/19-30/12/19	1
Internship	Training	Indo German Tool Room Aurangabad	4/12/19-16/12/19	1
Internship	Training	Vinayak Engineers Ltd	1/12/19-20/12/19	1
Internship	Training	Vinayak Engineers Ltd	1/12/19-20/12/19	1
Internship	Training	Auto Line Pvt.Ltd. Hat'gale	27/11/19-13/12/19	1
Internship	Training	Saroj Engineers, Jaysingpur	20/11/19-10/12/19	1
Internship	Training	Advance Technoworks, Ichal.	20/11/19-4/12/19	1
Internship	Training	Shri Padmavati Auto Compo.	15/12/19-30/12/19	1
Internship	Training	Ace Micromatic Group	23/11/19-7/12/19	1
Internship	Training	D.V.S.S.K Bidri, Kolhapur	15/12/19-30/12/19	1
Internship	Training	Kirloskar Ebara Pump Ltd	12/31/2019	1
Internship	Training	Pako Engineering, Palus	4/12/19-20/12/19	1
Internship	Training	Pako Engineering, Palus	4/12/19-20/12/19	1
Internship	Training	Fie Industries, Yadrav	15/12/19-30/12/19	1
Internship	Training	Fie Industries, Yadrav-1	15/12/19-30/12/19	1
Internship	Training	Sun Industry And Sky Global	15/12/19-30/12/19	1
Internship	Training	Pako Engineering, Palus	4/12/19- 20/12/19	1
Internship	Training	Fie Industries, Yadrav-1		1
Internship	Training	Spm Tools - Fie, Ichalkaranji-1	10/12/19- 22/12/19	1
Internship	Training	Fie Industries, Yadrav		1
Internship	Training	Fie Industries, Yadrav-1		1
Internship	Training	Rebell Engineers Pvt. Limited	20/11/19-20/12/19	1
Internship	Training	Wilo Mather And Platt Pumps	3/1/20-17/1/20	1
Internship	Training	Spm Tools - Fie, Ichalkaranji-1	10/12/19- 22/12/19	1
Internship	Training	Shivpratap Engg Ind. Satara.		1
Internship	Training	Fie Industries, Yadrav		1
Internship	Training	Sun Industry And Sky Global		1
Internship	Training	Shree Datta Industries,Shirol-1	20/11/19-5/12/19	1
Internship	Training	Mahabal Auto Ancillary Miraj	20/11/19-5/12/19	1
Internship	Training	Pentamech	20/11/19-5/12/19	1
Internship	Training	Sun Industry And Sky Global	20/11/19-5/12/19	1
Internship	Training	Pentamech	20/11/19-5/12/19	1
Internship	Training	Pragati Engg Works, Palus	20/11/19-5/12/19	1
Internship	Training	D.V.S.S.K Bidri, Kolhapur	20/11/19-5/12/19	1
Internship	Training	Mahabal Metals, Miraj-2	20/11/19-5/12/19	1
Internship	Training	Mahabal Auto Ancillary Miraj	20/11/19-5/12/19	1
Internship	Training	Mahabal Metals, Miraj-2	27/11/19-12/12/19	1

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Partici pant
Internship	Training	Radhika Techno System, Ichal.	20/11/19-5/12/19	1
Internship	Training	Prag Engineering Corp, Miraj	15/1219-29/12/19	1
Internship	Training	Rail Coach Factory Kapurthala	10/12/19-31/12/19	1
Internship	Training	Cummins India Ltd, Phaltan	1/12/19-31/12/19	1
Internship	Training	Mahabal Metals Ltd., Miraj-2	27/11/19-12/12/19	1
Internship	Training	Endurance Technologies Ltd.	3/12/19-19/12/19	1
Internship	Training	Pentamech	20/11/19-5/12/19	1
Internship	Training	Ved Industries, Hatkanangale	2/12/19-15/12/19	1
Internship	Training	Prag Engineering Corp, Miraj	15/12/19-29/12/19	1
Internship	Training	Radhika Techno System, Ichal	20/11/19-5/12/19	1
Internship	Training	Fie Industries, Yadrav-1	20/11/19-5/12/19	1
Internship	Training	Rail Coach Factory Kapurthala	10/12/19-31/12/19	1
Internship	Training	D.Mech. Industry Pvt. Ltd	20/11/19-5/12/19	1
Internship	Training	Jagdishiron and Steel, Miraj	27/11/19-11/12/19	1
Internship	Training	Pentamech	20/11/19-5/12/19	1
Internship	Training	Spm Tools – Fie, Ichalkaranji	10/12/19-22/10/19	1
Internship	Training	Shree Datta Industries,Shirol	10/12/19-31/12/19	1
Internship	Training	D-Mech Industry Pvt. Ltd	20/11/19-5/12/19	1
Internship	Training	Chintamani Industry	25/11/19-10/12/19	1
Internship	Training	Shree Datta Industries,Shirol	10/12/19-31/12/19	1
Internship	Training	Shree Datta Industries,Shirol	10/12/19-31/12/19	1
Internship	Training	D-Mech Industry Pvt. Ltd	20/11/19-5/12/19	1
Internship	Training	Mahabal Auto Industry Ltd	20/11/19-5/12/19	1
Internship	Training	Mahabal Auto Industry Ltd	20/11/19-5/12/19	1
Internship	Training	Wilo Mather And Platt Pumps	3/1/20-17/1/20	1
Internship	Training	Trinity Engineers Pvt. Ltd.	19/11/19-18/12/19	1
Internship	Training	Asian Compressor, Satara	20/11/19-5/12/19	1
Internship	Training	Spm Tools – Fie, Ichalkaranji	10/12/19-22/10/19	1
Internship	Training	Pentamech	20/11/19-5/12/19	1
Internship	Training	Asian Compressor, Satara	20/11/19-5/12/19	1
Internship	Training	D-Mech Industry Pvt. Ltd	20/11/19-5/12/19	1
Internship	Training	D-Mech Industry Pvt. Ltd.	20/11/19-5/12/19	1
Internship	Training	Spm Tools – Fie, Ichalkaranji	10/12/19-22/10/19	1
Internship	Training	Mahabal Auto Industry Ltd	20/11/19-5/12/19	1
Internship	Training	Mahabal, Miraj	27/11/19-12/12/19	1
Internship	Training	D.V.S.S.K Bidri, Kolhapur	20/11/19-5/12/19	1
Internship	Training	Mahabal, Miraj	27/11/19-12/12/19	1
Internship	Training	Mahabal Auto Ind. Pvt. Ltd	20/11/19-5/12/19	1
Internship	Training	D-Mech Industry Pvt. Ltd	20/11/19-5/12/19	1
Internship	Training	D-Mech Industry Pvt. Ltd	20/11/19-5/12/19	1
Internship	Training	Sky Industries, Tilawani	22/11/19-5/12/19	1
Internship	Training	Mahabal, Miraj	27/11/19-12/12/19	1

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Partici pant
Internship	Training	Mahabal Auto Industry Ltd	20/11/19-5/12/19	1
Internship	Training	Sky Industries, Tilawani	22/11/19-5/12/19	1
Internship	Training	Asian Compressor, Satara	20/11/19-5/12/19	1
Internship	Training	Mahalaxmi Ferro Cast Ltd.	25/11/19-13/12/19	1
Internship	Training	PHN TECHNOLOGY, Pune	25/11/19-20/12/19	**52**
Internship	Training	RedHat	26/11/19-20/12/19	**80**
Internship	Training	Brain Job, Sangli	26/11/19-20/12/19	**02**
Internship	Training	Vishumangal	25/11/19-22/12/19	**02**
Internship	Training	ERACLE	28/11/19-28/12/19	**04**

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

Organization	Date of MoU signed	Purpose and Activities	Number of students/ teachers participated under MoUs
University of California, Riverside, USA	14-06-2019	Student &faculty exchange and research activities.	Nil
Institute of Textile Technology, Aachan University, Germany	11-02-2020	Student &faculty exchange and research activities.	Nil
MyCrave Inc. Vadodara		For Intellectual Property Rights	Nil
Kombolcha Institute of Technology, Wollo University, Ethiopia	28-09-2020	Student & faculty exchange and research activities.	Nil
Saxion University of Applied Sciences Netherlands.	22-06-2019	Student & faculty exchange and research activities.	Nil
Adani Electricity Mumbai Ltd Adani Dahanu Thermal Power Stataion (ADTPS), Dahanu	02/12/2019	Faculty training, Industrial Training for Electronics Engineering students	35
TATA Technology Pvt.Ltd. Pune	25/07/2018	Quantitative, English Grammar, Personality Development & Logical Test.	51/4
TATA Technologies Ltd., Pune.	29/03/2019	READY ENGINEER PROGRAM (RE 2.0)	67/4
Red-Hat Bangalore	08/10/2018	Students Internship	80
GATE Tutor, Pune	20/10/2018	GATE Exam Preparation	120

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
Rs. 120.12 Lakhs	Rs. 101.39 Lakhs

4.1.2 Details of augmentation in infrastructure facilities during the year		
Facilities	Existing	Newly added
Campus area Sq. M.	33151.00	0
Class rooms	90	0
Laboratories	123	0
Seminar Halls	07	0
Classrooms with LCD facilities	18	7
Classrooms with Wi-Fi/ LAN	19	0
Seminar halls with ICT facilities	04	0
Video Centre	01	0
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	20	6.00
Value of the equipment purchased during the year (Rs. in Lakhs)	88.58	27.40
Others	03	0.68

4.2 Library as a Learning Resource			
***4.2.1* Library is automated {Integrated Library Management System (ILMS)}**			
Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SLIM Software 21	Fully	3.8.0	2006

4.2.1 Library Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value Value
Text Books	50853	317.16	885	4.44	51738	321.60
Reference Books	22477		110		22587	
e-Books	10410	0.14	4704	0.57	15112	0.71
Journals	77	1.04	38	1.72	115	2.76
e-Journals	15434	7.78	6380	0.57	21814	1.43
Digital Database	3	----	----	-----	3	----
CD & Video	6915	----	179	----	7094	----
Library automation	1	1.95	----	----	----	1.95
Weeding (Hard & Soft)	YES					

Others (specify)	1. Library Automation with SLIM21 Software. 2. OPAC facility with KIOSK for easy searching of books. 3. Wi-Fi facility in the library building. 4. Book Bank Scheme for all students. 5. Reprography Facility.

4.2.2 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
P S Badkar	Theory of Machine	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	1-07-2019
U S Bongarde	Applied Thermodynamics	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	27-09-2019
R D Patil	Fluid Mechanics	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	28-08-2019
A M Rathod	Heat and Mass Transfer	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	06-09-2019
K K Powar	Machine Tool and Processes	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Question Papers, Online lecture	26-09-2019
Mr. V. B. Kumbhar	http://plc-scada-dcs.blogspot.com	Blogger.com	19/12/2011
Mr. N.B. Kapse	https://elec-guru.blogspot.com/	Blogger.com	26/10/2015
Mrs. S. A. Pore Mrs. A. R. Patil Mr. A. V. Shah Mr. N. B. Kapse Mr. S. M. Karmuse Mr. U.A. Patil	Power point presentations for various subjects	-	-

4.3 IT Infrastructure									
4.3.1 Technology Up gradation (overall)									
	Total Computers	Computer Labs	Internet	Browsing Centers	Computer Centers	Office	Departments	Available band width (MGBPS)	Others
Existing	935	32	510	15	01	03	10	0	0
Added	0	0	0	0	0	0	0	0	0
Total	935	32	510	15	01	03	10	0	0

4.3.2 B*andwidth available of internet connection in the Institution (Leased line)*	
155 MBPS	
4.3.3 Facility for e-content210	
Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Mooddle for all Departments (Exam)	210.212.172.214

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
13450014	7694631. 95	1867175	834574. 00
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) Cleaning of laboratories and classrooms is done on daily basis. Maintenance of equipments is done by internal laboratory Asst. monthly. External maintenance of equipments is carried out at the end of each semester or as per requirements. Stock checking of laboratories is done yearly. Similarly checking of facilities in classrooms is also carried out on yearly basis.			

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support				
5.1.1 Scholarships and Financial Support				
		Name/Title of scheme	Number of students	Amount in Rupees
Financial support from institution				
Financial support from other sources				
a) National	SC, ST, VJ, NT, OBC, other Govt. Schemes	2600		1040 Lacs
	Prayatna scheme by Tata Technologies Ltd.	Ms. Rutuja Jain, Ms. Aditi Joshi, Mr.Apurv Kulkarni, Mr.Shantanu Kakade		75,000
b) State	NIL	NIL		NIL
b) International	NIL	NIL		NIL

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.

Language Lab:			
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Professional communication, Functional English	A.Y.2006-07	720	F.Y B. Tech(ENGG. AND TEXTILE)
Yoga, Meditation:			
Yoga and Meditation [Rural Development Camp at Tardal]	21/06/2019, 9/01/2020	40	TEI With Gram Panchayat Tardal
(Textile)			
Soft skill development	July 2019 to September 2019	281	Universal Education, Bangalore
Soft skill development	January 2019 to March 2019	292	Universal Education, Bangalore
Personal Counseling and Mentoring	Throughout the academic year	1050	Faculties of Textile department
(ETC)			
Intro. to Python Programming (**Bridge course**)	19th , 20th and 27th July 2019	50	ITnium, Sangli
'Entrepreneurship Awareness Camp (EAC)' (**Bridge course**)	29th to 31st August 2019	64	Maharashtra Centre for Entrepreneurship Development (MCED) Govt. of Maharashtra
Soft skill of placement	Feb 2019	52	Tensor Plus
Technical Training Program (C,C++)	18/01/2020 to 19/01/2020	60	Lead College activity, Shivaji University Kolhapur

Mentoring Scheme	Semester start to semester end	207	Self (Departmental Faculties)
(ETRX)			
Soft Skill	Feb 2020	92	Tensor Plus
Remedial Coaching	Aug 2-19	60	Department Faculty
Mentoring	Feb 2020 & June 2019	420	Department Faculty
(CSE)			
Softskill	Every semester	55	Tensorplus
Personal Counseling and Mentoring	Every Week One hour	240	--
(MECH)			
Remedial Coaching	4/10/2019	56	Subject Teachers
Remedial Coaching	5/10/2019	56	Subject Teachers
Remedial Coaching	7/10/2019	56	Subject Teachers
Remedial Coaching	8/10/2019	56	Subject Teachers
Remedial Coaching	9/10/2019	56	Subject Teachers
Remedial Coaching	10/10/2019	56	Subject Teachers
Mentoring	July to Oct 2019	360	Mentors of Batches
Mentoring	Jan to May 2020	360	Mentors of Batches
Soft Skill Training	July 19 to May 20	80	TPO
Remedial Coaching	4/10/2019	56	Subject Teachers
(MBA)			
Mentoring Scheme (MBA)	Semester start to semester end	203	Self (Departmental Faculty)

5.1.3 Students benefited by guidance for competitive examinations and career counseling offered by the institution during the year-

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counseling activities	Number of students who have passed in the competitive exam	Number of students placed
2019-20	GRE	350	350	20	15
	TOEFL	320	310	20	15
	GATE	500	500	15	10
	IELTS	300	300	05	05

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year -**NIL**

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
NIL	NIL	NIL

5.2 Students Progression

5.2.1 Details of campus placement during the year-

Departments	Number of Students Participated	Number of Students Placed (In campus)	Number of Students Placed (Off campus)
Engineering	386	305	4
Textile	271	197	1
MBA	66	55	--

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2019-20	6	B. Tech Mechanical Engineering	Mechanical Engineering	1 RWTH Aachen University of textile technology Germany. 2. Texas Tech. university Graduate School USA. 3. Technische Hochschule Rosenheim Technical University of Applied Sciences, Germany. 4. University west Trollhatten, Sweden. 5. Australian National University. Australia 6. Hof University of Applied Sciences, Germany.	M.Sc. Textile Engg. Industrial Engg (MS) Mechanical and Plastic Engg. MS in Robotics. Master of Engg. in Mechatronics Operational Excellence
	3	B. Tech ETC	ETC	1. WCE Sangli 2. Michigan Tech Graduate School Concordia University, UK	MS in Mechatronics MS in Electrical & Comp Engg
	1	B.Tech. IT	IT	Economics, Milano campus	International business
	1	B.Tech. CSE	CSE	University of Texas Dallas	Computer Science
	10	B.Tech. Textile	Textile	1. Wuhan University, China 2. HOF University, Germany 3. NIFT, India 4. DKTE	Textile Engineering, Masters in Fashion Mngt Masters in Fashion Techno

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	No. of Students selected/ qualifying	Registration number/ roll number for the exam
NET	--	--
SET	--	--
SLET	--	--
GATE	9	ME20522089072, CS20S62035313, TF20S52069013, TF20S52037038, TF20S52037018, TF20S52037010, TF20S52037028, CS20S62089004, CS20S62089156
GMAT	--	--
CAT	--	--
GRE	10	6472699, 5828444, 3698457, 6323393, 6275224, 6513589, 6331301, 5958158, 6350743, 52300243
TOFEL	06	1483711190740454, 3223811191338307, 3705701201667532, 5614802201800131, Not registered due to pandemic situation (IT), 5545412
Civil Services	--	--
State Government Services	--	--
Any Other (IELTS)	5	119388, 002792, 002576, 159983, 335962
IBPS Banking Exams	2	ICICI banking Exam: 01, 7242002923
NIFT	5	154120445, 144120411, 144120415, 154120458, 154120444

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

Activity	Level	Participants
Table Tennis-Men	Zonal	04
Swimming-Men	Zonal	05
Swimming-Men	Inter Zonal	05
Badminton-Men	Lead	05
Kabaddi-Women	Lead	12
Table Tennis-Men	Lead	05
Swimming-Men	Lead	05
Swimming-Women	Lead	04
Kabaddi-Women	National	12
Kho Kho -Men	National	12

5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2019 -20	National Level Go Karting Event Autocross Runner-up Tug of war Runner-up Skid pad Runner-up Fastest Lap Endurance Winner Build quality Runner-up Best Driver	National	Go Karting			Adesh Jadhav, Atharva Joshi, Abhi Kudache, Amol Bhandare, Nishant Godse, Tirthraj Patil, Pratik Alase, Pranav Ghasghase, Rushikesh Ghume, Pratik Chougule, Chaitanya Gadgil, Akash Jadhav, Omkar Kadam, Anant Patil, Vaishnavi Kulkarni, Akansha Patwardhan, Mansi Mali, Fiza Makandar, Aishwarya Patil, Aditi Magar, Shraddha Patil, Sammed Kinnige, Shubham Naik
	'ZEST' organized by the College of Engineering, Pune First Prize DKTE Girl's Kabaddi Team	National	Kabaddi			Jadhav Kaushiki Dasharath
	'ZEST' organized by the College of Engg, Pune First Prize DKTE Boys Kho-Kho Team	National	Kho-Kho			Dhamane Rohit
	First Prize at 'Presento' at "Technocrat19" organized by Walchand College of Engg, Sangli	National				Mr.Apoorv Terwadkar
	Best HR interview under 'Impulse19' organized by Walchand College of Engg, Sangli	National				Mr.Apoorv Terwadkar
	First Prize in 'Presentatio' event conducted under "Vertex	National				Mr.Apoorv Terwadkar

2019"organized by Walchand College of Engg					
1st Prize in event called Prese-Paper under Electrovert 2k19 by Walchand College of Engg Sangli	National				Mr.Apoorv Terwadkar
2nd Position at Zonal Table Tennis Tournament by Dr.JJ Magdum College of Engg, Jaysingpur.	Zonal				Mr.Shaunak Naik

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

(MECH)

- Students are the part of the B.O.S. The B.O.S. constitutes of all the class representatives of every class.
- Students are also involved in Sports Committee, Social Committee, TechSymposium, and other events.

(ETRX)

- The Electronics students association ESSA is reformed on July 2019 which comprises of 3rd year students. Department has IETE student's chapter for third & final year students.
- Under ESSA and IETE students chapter it is a tradition to arrange various technical and other activities throughout the year. Third year class acts as coordinator for these activities. Mini project competition was arranged on 5th October 2019 wherein the students from 2nd & 3rd year, displayed total 100 working models of mini project. The Department had invited students from Diploma and Junior Colleges from nearby areas to visit the Project Exhibition. It was an intensive learning environment to these students and an enchanting experience to know the various aspects of finding software/hardware bugs in electronics domain.
- To create awareness about job opportunity in private and public sector, guest lectures by industry persons, aluminise were arranged under IETE student chapter. To provide the platform for soft skill development, an event EPISTEM2k20 was arranged on 18th Jan 2020. The activity provided platform for the students to explore their knowledge and interpersonal skills. The event received a huge response of the students from various colleges. The Rounds conducted in the event were Aptitude test, Group discussion, Surprise Round and Personal interview. The participants for Novice group were 130 and for Expert group 60.
- A National Level Technical Event "Tech-symposium 2K20" on 29thFebruary 2020. The event received a huge response of students from various colleges for the event Game of Drone, Robotics etc.

(ETC)

- The Communication Students Association [COMSA] is formed by students of Electronics and Telecommunication Engineering Department. Various events and session have organized by COMSA to develop the technical, management, communication and soft skills of students. A summary of these events is given as under:
- One Day workshop entitled as "Fundamax" was arranged on 20th July 2019 to understand the basics of electronics components was conducted by Miss. Sonal Urane and Miss. Pooja Pujari for from final year ETC to the SY ETC students.
- 5th September 2019 was celebrated as Teachers Day. Prof. (Dr.) S.A. Patil expressed his views about the technical revolution in society. On this occasion, all faculty members were felicitated by the students.
- To welcome and introduce the Electronics and Telecommunication Engineering Department to First Year students, Fresher's welcome party was conducted on 12th October 2019.
- C programming contest, CODEC 2K20 was arranged on 03rd February 2020. The students from Second Year and Third Year participated in this contest.
- On Monday 17th Feb 2020, COMSA has organized an event, "Interaction 2k20". The motto of this session was to guide SY a TY ETC student regarding the campus placement process. The felicitation of final year ETC students, got placed in different companies through campus drive during the academic year 2019-20 was done. The placed students shared their experiences about the campus interview and selection process. Also the guidance was given regarding preparation of technical and soft skill practices for campus drive. The session coordinator was Mr. A. R. Telepatil Students are the part of the B.O.S. The B.O.S. constitutes of all the class representatives of every class.

(MBA)

A summary of the events is given as under:

- Every year the induction programme is arranged by the second-year students to welcome the freshers, the first year students.
- The second-year students arrange freshers' week as well as freshers' welcome function and show their managerial skills depicting their coordination and leadership. In this week different themes are kept on each day and first year students perform role plays, acts, fashion shows and show various skills through this.
- The first-year students arrange and celebrate Teacher's Day on 5th September to show their respect towards teachers. Students arrange various activities on this day and teachers guide the students through their speeches.
- Girl students arrange and celebrate Women's Day function to depict the women empowerment on 8th March. On this day girl students show their pride for being women and arrange programme having role plays, speeches, discussions, singing and dancing.
- The students of the department arrange intercollegiate event named MAN EDGE every year having sub events like Dream 11- An event based on IPL auction, Sales Guru- An event based on marketing strategies, Recrutio- An event discovering every aspect of HR, Guild Bizz- An event based on Business Plan and Quiz Star- An event based on General Knowledge. This event provides the students hands on experience and through this event students learn all the principles of management.
- The first-year students arrange send-off function for second year students and show their respect towards their seniors.

(CSE)
• Board of Studies for Computer Science and Engineering consists of Student Representative from SY, TY, Final Year and M. Tech. students along with alumni representative.
5.4 Alumni Engagement
5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):Yes
Reg. No. F/25027/Kolhapur Institute is actively involved in alumni activities since 1989. The Alumni Association is officially registered body with Charity Commissioner's Office, Kolhapur from 2009. Our membership strength at present is more than 14,500 registered members and one interesting factor is all the departments of institute are actively involved in these activities. Alumni meets in every year helps the department, faculty and students in terms of research, placement, entrepreneurship etc.
5.4.2 No. of registered Alumni: 14451
Textile – 6644, Total Institute - 14451
5.4.3 Alumni contribution during the year (in Rupees) :   Rs. 8,100/-
5.4.4 Meetings/activities organized by Alumni Association **:**
2 Alumni Meet and 1 Annual General Body Meeting 1 Meeting & 1 Alumni Get-together in 2019-2020. Every year Alumni get together is organized on 26th January.

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)

Institute has formed various statutory and non statutory bodies and committees vested with discretionary authorities to facilitate smooth functioning of Institute. The different committees consist of stake holders, faculty members and student members. The meeting of the Governing Council members is conducted once in every six months. In the meeting financial issues and infrastructure development issues are discussed. The meeting of Principal, HoDs and Dean are conducted every month to monitor all academic and student related activities. Faculty meetings are conducted in every department by HODs on every 1st and 3rd Saturday to convey plans and instructions discussed in Principals meeting and initiate their implementation as well as feedback is taken about the plans being implemented.

Orientation Programme, pedagogy, effective teaching program for the faculty members are conducted at the beginning of year. The senior faculty members conduct training programs on Management Skills, Teaching and learning methodology, Image management, and communication skills. Every faculty member is involved in various academic, administrative and other non-statutory committees. Regular training programmes are conducted for the faculty members and depending on training need analysis faculties were deputed for trainings. Leadership is also groomed at various levels such as for Administrative staff and Students interactive sessions through soft skills programs.

Entrepreneur Skill Development Centre also supports development of leadership. The Management also adopts the practical way of delegating responsibilities to a person to enhance the leadership capabilities. The Management motivates the faculty to conduct co-curricular activities like seminars, work shop, field tours, various projects, updating laboratories etc. The Management ensures academic freedom to the faculty members in teaching process and research. The institute promotes leadership among the students through student council, class representatives, departmental Library Committees, hostel representatives, students associations and coordinators for different co curricular and extracurricular activities.

The College executes different activities in decentralized manner,

• The Top management delegates all the academic and operational decisions based on policy to the Principal.

• The Principal formulates common working procedures and informs the HoD's for implementation.

• The HODs manage the day to day activities of the department.

• A team of Faculty members and class representatives coordinate the co-curricular and extra-curricular activities in the College.

• Other units of the college like sports, arts and library are executed under the guidance of the various committees and students representatives are involved from various departments in the decision making process.

The Governing Body, Finance Committee, quality cell and other committees are formulated as per the participative structures provided by the Government, UGC, AICTE and University. The institute makes sure that every faculty is involved in various committees of the institute and representation from the student community is also ensured. Through the Students Council the students are actively involved in decision making process. The regular meetings and feedback of

different stakeholders is also an element of the participative management. A student quality peer team reports to the Principal every month.

6.1.2 Does the institution have a Management Information System (MIS)?   Yes/No/Partial:
         YES, **ERP and CONTINEO**

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)**:**

Curriculum Development:

Each department is having a Departmental Advisory Board which helps in improving and implementing academic quality as per the local and global needs and standards. Departmental Advisory Board (DAB), has representatives from Faculty, Academicians, Industrialists, Student and Parent. Faculty members meet on frequent basis for revising the curriculum. Based on stakeholders' feedback, curriculum contents are updated and modified.

Teaching and Learning:

As per the quality improvement strategy, the Institute plans the academic activities before the commencement of the term. Academic calendar ensures perfect planning of institutional /departmental activities.

• The institute uses learner-centric education approach through the use of appropriate methodologies like group discussions, projects presentations, field work, surveys, seminars, experiments and practical sessions, guest lecturers etc.

• The institute encourages upgradation of the labs according to the revised syllabus. • As per Students feedback analysis report Head of department guides individual faculty to incorporates proper changes in the teaching process.

Examination and Evaluation

1. Continuous evaluation.
2. Two ISE and one SEE. Separate passing of 40 marks in SEE.
3. External faculties are involved in paper setting and practical examination conduction.
4. Quality audit of question papers.

Research and Development

Faculties are encouraged to register for PhDs under qualification improvement program (QIP).

• The faculties are motivated to write research proposal for AICTE/DST funded projects under schemes like IIPC, Research Project Scheme (RPS), Faculty Development Programs (FDP), Modernization and removal of obsolescence (MODROB).

• The faculties are encouraged to apply for patents. The final year projects of students were modified and applied to solve societal problems. These modified projects were documented in the standard patent format and further filed as a patent.

• The faculties are encouraged to participate in International conferences by paying registration fees and travelling allowances.

• Conferences and Seminars are organized by the departments to attract researchers to visit the campus and interact with teachers and students.

• Publications of faculties in different National and international refereed journals, books, articles in edited volumes, seminar proceedings etc. is encouraged.

• Internet, LAN and journal and e-journals are made available to the Principal investigator by the institution to facilitate smooth progress and implementation of research schemes/projects.

• The Institute organizes paper presentations contests, workshops, quiz contests for students to explore their ideas.
• Institute encourages the research and innovations among students by giving rewards and appreciations.
• Funding is provided for filing patent for research work.
• Centre of Excellence in non woven provide practical training in emerging area and also facilitate research and development.

Library, ICT and Physical Infrastructure / Instrumentation:
• Central library has e-journals; Computer based Tutors CDs which are effectively used by students and staff of the Institute.
• The institute promotes use of modern teaching-learning aids and application of ICT resources for effective delivery of curriculum to optimize learning outcome.
•The institute promotes use of ICT based teaching learning methodologies for academic planning, assessment and monitoring..

Human Resource Management:
The institute uses evaluation methods for teaching/ research of the faculty.
• The institute has definite strategies and implements them while recruiting and retaining faculty and other staff.
• The institute organizes invited lectures for human resource management for faculty.
• The institute supports and ensures the professional development of the faculty and proper budget is allocated for this activity. Institute sponsors the faculty member for paper presentation in conference, participation in seminars and workshops.
• The institute organizes staff development programs for skill upgradation & training of the staff.

Industry Interaction / Collaboration:
Institute has a strong industry institute interaction. This distinctive feature is continued through the years by various activities like the student internship, expert lecture sessions from industry persons, trainings, and industrial visits.
The Memorandum of Understanding (MOUs) signed by institute with industry are helping in sharing the technical, professional knowledge as well as practical experiences both for faculty and students as well. Industries have donated the state of art equipments and instruments to the institute. The faculties are deputed for Industrial trainings in India and abroad on their subject areas.

Admission of Students
1. Admission cell is formed at institute level
2. Faculty presentations regarding the admission process and opportunities in various branches for the students are arranged.
3. Participation in engineering admission promotion programmes by local social bodies.
4. Organizing awareness programmes about DKTE's engineering programmes at Bhiwandi, Tirupur, Salem, Karur, Solapur, Malegaon, Burhanpur, etc by faculties

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

Planning and Development.
Administration.
Finance and Accounts.
Student Admission and Support.
Examination

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 : NIL

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019-20	A. R. Balwan	ICRAMM2019 by K.L.E.'s Dr. M.S.S. C.O.E., Belgavi	-	7500/-
2019-20	S. A. Soundattikar	ICRAMM2019 by K.L.E.'s Dr. M.S.S. C.O.E., Belgavi	-	7500/-
2019-20	B. B. Kabnure	ICRAMM2019 by K.L.E.'s Dr. M.S.S. C.O.E., Belgavi	-	7500/-

6.3.2 Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year:: NIL

Year	Title of the professional development programme organized for teaching staff	Title of the administrative training programme organized for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2019-20	Effective teaching	**NIL**	12 to 14/02/2020	**03**	**NIL**
2019-20	Patent filing	**NIL**	24/02/2020	**04**	**NIL**
	NAAC ACCREDITATION		17/01/2020	50	-
	'Patent Filing'		24/02/2020	100	-
	'PARAMARSH' Online Meeting		20/06/2020	30	-
	Future Trends in Automation: Augmented Reality Based Instant Expertise		08/05/2020	24	-
	All about Soft Skills to Crack the Interviews		09/05/2020	24	-
	Industry expectation from Freshers		15/05/2020	24	-
	Career Opportunities in Piping Design Engineering and Construction		26/05/2020	24	-
	Smart Foundry & Indu. 4.0		02/06/2020	30	-
	"Challenges and Industry Expectations from Engg		06/06/2020	30	-

	Students Post Covid-19"				
	Introduction to Boiler and heater technology		13/06/2020	30	-
	Entrepreneurship Development		15/07/2020	100	-
	Past, Present and Future of Automotive Design & Career Opportunities for Young Enthusiasts in Automotive Field		16/07/2020	24	-
	"Intellectual Property"		25/07/2020	24	-
	Online STTP "Recent trends in Cutting Tool Tech. & Force Measurement using Matlab"		24/08/2020 - 29/08/2020	135	
	How to Prepare for Mechanical Engg Technical Competitive Exams		25/07/2020	15	

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	No. of teachers who attended	Date and Duration (from – to)
1 week FDP on Digital Signal Processing, Implementation & Analysis	10	2 to 7/12/2019
Microwave Theory and Techniques	01	Jul-Oct 2019
Data science with Python	01	13 to 15/2/2020
Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020)	03	26 to 30/3/2020.
LaTeX	02	26/4/2020 to 2/5/2020
Analog, Digital and Mixed singal VLSI Designs using Cadence EDA Tool	01	6/1/2020 to 11/01/2020
Industry 4.0, Data Analytics, Disruptive Technologies	01	26/5/2020 to 31/5/2020
Evolution from offline to online teaching	01	30/5/2020 to 3/6/2020
Image Processing and Computer Vision using MATLAB	01	26/5/2020 to 31/5/2020
"Automatus 2020- Make Automation Yours"	01	1/6/2020 to 14/6/2020
"Linux"	01	13 to 18/4/2020
Security Issues & Role of Cryptography in Communication	01	22 to 26/6/2020
Whatsapp Outcome Based Education	1	24/3/20 to 14/4/2020
Managing Online classes and Cocreating's MOOCS	2	20/4/2020 to 6/5/2020
Online course on Exam Reforms	1	22 to 26/4/2020

Computational Tools & Techniques: MATLAB, ANSYS	1	27/4/2020 to 1/5/2020
One week Latex FDP	5	27/4/2020 to 2/5/2020
Innovation in Teaching Learning	1	27/4/2020 to 2/5/2020
One Week FDP on R Programming	1	30/4/2020 to 4/5/2020
One Week FDP on Python	5	4 to 8/5/2020
Outcome Based Education: A Step Towards Excellence	6	11 to 15/5/2020
Online FDP on AI	2	22 to 26/5/2020
Infrastructure Development: Possibilities and Challenges Ahead	1	25 to 29/5/2020
Promoting quality culture in technical education	1	25 to 29/5/2020
Moodle learning management system	1	26 to 30/5/2020
Signal, image &video processing: A Practical Approach	1	26 to 30/5/2020
Evolution from offline to online teaching	2	30/5/2020 to 3/6/2020
Research Opportunities and Challenges in Mfg Sector	1	1 to 6/6/2020
Recent Advances in Modeling & Optimization Techniques	2	1 to 5/6/2020
Online Teaching Resources	5	3 to 8/6/2020
Futuristic Technologies in Mechanical Industries	1	5 to 9/6/2020
Adv. Research methodology & Innovative Teaching	1	8 to 13/6/2020
Technology towards common man	1	10 to 13/06/2020
3 Days Online W/S on Design of Experiments- An Engg. Perspective	3	25 to 27/4/2020
2 Days Online W/S on "Fuzzy Logic and Neural Network Approaches for Engineering Solutions"	3	29 & 30/4/2020
Online Training on Artificial Intelligence and Machine Learning for Mfg Industries	2	30/4/2020
Online workshop on Research Scopes on Mechanical Science	3	7/5/2020
Online W/S on "Fuzzy Logic and Neural Network Approaches for Engineering Solutions"	1	1 & 2/5/2020
Analog, Digital And Mixed Signal VLSI Design Using CADENCE EDA Tool	8	6 to 11/01/2020
Digital Signal Processing Algorithm Optimization And Implementation	8	2 to 7/12/2019
High Performance Computing	2	8/2/2020
NAAC Accreditation	2	17/1/2020
Innovative Teaching Learning Pedagogy	4	31/12/2019 & 1/1/2020
Automation And Internet of Things	1	16 to 20/12/2019
Cyber Security	4	9 to 14/12/2019
Hands On Training Of Power Plant Familiarization	2	2 to 7/12/2019

6.3.4 Faculty and Staff recruitment (no. for permanent recruitment): NIL			
Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime

6.3.5 Welfare schemes for	
Teaching	**NIL**
Non teaching	**NIL**
Students	**NIL**

6.4 Financial Management and Resource Mobilization
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each**)**

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/ Grants received in Rs.	Purpose

6.4.2 Total corpus fund generated

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	YES	ISO/NBA	YES	Mutual between departments
Administrative	YES	ISO/NBA	YES	Mutual between departments

6.5.2 Activities and support from the Parent – Teacher Association (at least three)
Each department organises the Parent-Teacher Meet semester wise in which the progress of ward is conveyed to parents with respect to attendance, exam performance, etc. Also awareness about institution progress like MOU's, new lab setup, faculty developments etc is informed to parents and discussion is carried out regarding efforts taken by department in regards of placement activities etc. is done.

6.5.3 Development programmes for support staff (at least three)
Whenever a new lab setup is done or new instruments are purchased or any upgrade to existing instrument is done a demo and training session is arranged with help of supplier for supporting staff and teaching faculty. Supporting staff are encouraged to attend the workshops conducted online by suppliers/ companies/ institutions.

6.5.4 Post Accreditation initiative(s) (mention at least three)
We have tried to continue the process of self-criticism so as to improvise, and innovate it new ideas leading to improvements in our commitments to our primary stakeholders, the students. To streamline the existing curriculum with AICTE model curriculum many refinements are carried out with respect to credits of courses also many new courses are added some of which are audit course also. While implementing model curriculum the need of industry, responsibility towards society etc. is considered. Accordingly the teaching learning process has been modified.

6.5.5
a. Submission of Data for AISHE portal   : (Yes /No) Yes b. Participation in NIRF   : (Yes /No) Yes c. ISO Certification   : (Yes /No) Yes d. NBA or any other quality audit   : (Yes /No) Yes

6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
2019-20	Training Program on IPR writing and Patent filing	Academic Year 2019-20	3 Days	85

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-to)	Participants	
		Female	Male
Gender equity promotion programmes	25/01/2020	210	300
All Committee (ICC) Members Meeting	25/01/2020 at 4.30 pm	25	
Women's day Celebration: Opportunity for girls in all Sector (Mrs. Prabhatai Kulkarni, MD Trimurti Engg. Tools Pvt. & BOG Member DKTE)	06/03/2020	163	-
Women's day Celebration(Mrs. Shilpa Thokade, Tahasildar of Kagal)	06/03/2020	163	-
Meeting of all faculty (Importance of Grooming)	25/01/2020	32	4

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

Percentage of power requirement of the college meets by the Renewable Energy sources. The Institute is committed towards energy conservation. The common areas in the institute are illuminated with LED lights, which lead to an energy saving upto 40 % as compared to conventional lights. Fans in the college are fitted with electronic fan regulators which achieves power saving upto 49% as per compare to normal fan regulators. Also measures are taken to reduce the maximum demand by scattering the heavy load at   different time and maintaining the power factor at unity along with adoption of proper preventive maintenance. All the computers in the college have LCD monitors instead of CRT monitors. Awareness about power saving is created among students by campaigns organized through Energy Club. Poster presentations, quiz's are also organized for sensitizing students about energy issues. The objective of energy club is to create awareness about energy conservation.

❖ **Use of Renewable Energy:**
- The Institute has taken initiatives to use renewable energy. The hostels are fitted with solar water heaters and solar lighting system.
- Expert lecture on Future Electrification Technologies for Strategies for Low carbon society in India on 26th Dec. 2019 by Mr. Raju B. Ketkale (Senior Vice President & Director of Toyota Kirloskar Motors (P) Limited, Bangalore.
- "Energy Swaraj Foundation" and Electrical Engineering Department organized a course & quiz on "Learn to design a solar system" in September 2020.
- IEEE Student Branch DKTE (STB17301) team - Diwali 2020 celebrated Solar wali" for eco-friendly celebration. [Students Members of IEEE are Prepared more than 100 solar Diya to promote use of Renewable Energy Resources (Solar Energy) in day to day Applications.

7.1.3   Differently abled (Divyangjan) friendliness :

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	100
Provision for lift	Yes	All Differently abled students & faculty
Ramp/ Rails	Yes	All Differently abled students & faculty
Braille Software/facilities	No	---
Rest Rooms	Yes	All Differently abled students & faculty
Scribes for examination	Yes	02
Special skill development for differently abled students	No	----
Any other similar facility	No	-----

7.1.4   Inclusion and Situatedness (countable and uncountable)
Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019-20	3	3	Aug. 2019 Aug. 2019 Sep. 2019	NSS NSS NSS	1. Swachata Abhiyan Pakhwada 2. Rakshabandhan with Orphanage Children. 3. Ganesh Festival Prog. & Funfair with Orphanage Children.	20 Institute Institute
2019-20		1	8 to 15 Feb 2020	Foundry Consultancy	Fan Bracket	2
2019-20		1	23 Nov. 2019	Foundry Consultancy	CAP-Bearing	2
2019-20		1	21 Feb. 2020	Foundry Consultancy	Tensioner Bracket	2
2019-20		1	18 Dec. 2020	Vibration Level Measurement	Vibration Level Measurement	1

2019-20	100+	100+	2019-20	Social Activity by Institute	Social Innovations	Staff 25 Project Students 500+
					Help of Medicines for flood affected at Magarmach Colony, Sangli	
					Tree plantation at Swami Samarth Mandir Ichalkaranji	
					Parking Management at DKTE campus	
					Cleaning roads at Jawaharnagar, Ichalkaranji	

7.1.5   Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each) (See Web Link: https://www.dkte.ac.in/index.php/life-dkte/code-of-conduct)
Code of Conduct for (Students)	Winter 2016	CONDUCT AND DISCIPLINE (STUDENTS)
Code of Conduct for (Examinations)	Winter 2016	Instructions to students Exam Conduction New
Controller of Examinations (CoE) Office (Faculty)	Winter 2016	Instructions to Junior Invigilator Exam Conduction
Code of Conduct for Graduation Ceremony (Students)	Dec 2018	Code of Conduct for Graduation Day CoE
Code of Conduct for new Ladies Hostel (Students)	2016	hostel rules
Rules & Regulations of library	2009	Library rules

7.1.6   Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants
1. Meditation and yoga practice. .(Under the Life skill professional ethics program)	23/11/2019 To 23/11/2019	240
2.Webinar on "Etiquette and Manners"	30/07/2020	256

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

❖ **Constitution of Nature and Yoga Club**
Institute has constituted well-functioning and committed Excussia Nature and Yoga club
  a. It consists faculty from Environmental sciences and each department along with two student representatives
  b. Nature and Yoga club works for conservation and action based activities with participation of faculty and   students
  c. It helps to nurture value of it in the mind of passerby.

❖ **Activities carried by Nature and Yoga Club of the Institute**
  a. Institute has prepared Environmental Status Report (ESR) for Ichalkaranji city through Nature and Yoga Club
  b. Yoga and Meditation camp for students and faculty Nature and Yoga club organizes Yoga and Meditation camp and programme for   students and faculty. Trainers from Art of Living Ichalkaranji are invited to conduct the programme
  c. Promotes student to participate in Yoga and related events at University , regional and national level in which they excel and bag rewards usually
  d. Has carried naming all plants and trees with local and scientific name
  e. Green Audit report preparation – Institute through nature and Yoga club prepares Green Audit Report every year and incorporates its measures for improving green performance.

❖ **Waste collection and disposal::**
Daily Waste generated in institute campus including canteen, garden, and premises is segregated. It is collected by Waste collection vehicle of Ichalkaranji Municipal Corporation on daily basis. It helps to maintain campus clean.

❖ **Rain water harvesting system:**
The Institute has well-functioning Rain Water Harvesting system occupying 4455 Sqm. which collects about 15 Lakh L rain water annually during rainy days. It is transferred to well-located in Rajwada area through underground piping system.

❖ **Informative campus for trees and central garden**
Names of trees are displayed on trees in campus for identification as part of plant diversity adding aesthetics of the campus. Also institute has central garden attracting once attention and keeping sense of nature's beauty in passerby.

❖ **Display boards for community awareness:**
Institute campus has displayed display boards on avoiding food wastage, cleanliness on noticing places to making community aware.

7.2   Best Practices (all departments)
(Describe at least two institutional best practices. Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link)
Textile Dept.

1. **Mentoring Activity:**
In this a group of 15-20 students is assigned to a faculty. The faculty is treated as their mentor. The mentoring activity is conducted every week in which the mentor conducts the meeting of the students and discusses their problems and other issues. The mentor has

to maintain the whole record of the students for three years. Mentor is supposed to solve the academics as well as non-academic problems of the students.

2. **Internship for the students: TY and Final Year Textile students undergo one month in plant training**
   Internship is included in syllabus at third year and final year for all B.Tech textile students. Duration of Internship is 1 month and students are placed in various textile industries all over in India and abroad as well. This training becomes very much useful for students to understand the theory learnt in class room.

3. **Preplacement training offer:**
   Reputed textile companies like Welspun, Trident, Raymond, Vardhaman, Reliance offering campus recruitment training programme. Selected students will undergo 1 month training and based on performance students will get placement.

4. **Practical in local industries:**
   In each semester in one or two practicals are conducted in nearby textile industries to improve hands on training.

   Electronics Dept.:
1. **Mentoring Activity:**
   In this a group of 15-20 students is assigned to a faculty. The faculty is treated as their mentor. The mentoring activity is conducted every week in which the mentor conducts the meeting of the students and discusses their problems and other issues. The mentor has to maintain the whole record of the students for three years. Mentor is supposed to solve the academics as well as non-academic problems of the students.

2. **Internship for the students:**
   All the third year students are supposed to undergo 1 or 2 weeks industrial training in winter vacations. The department identifies the industries and allocates the students to various industries. This training provides industry awareness to the students. After completion of the training the student has to submit the report regarding the training and also has to give oral presentation for the same.

3. **Mini-project exhibition:**
   Every year on the occasion of Engineers day, department organises mini-project competition and exhibition. The students from second, third and final year classes exhibits their projects. The students from nearby junior colleges are invited to visit the exhibition in order to create the awareness regarding engineering education.

4. **Participation in National Level Competitions:**
   Third year and final year students are encouraged to participate in various national level project design competitions such as ARM design contest, Texas Research, Mitsubishi Cup Drive, KPIT innovation challenge and HAKATHON. This year project on Solar Byke was shortlisted for the final round of Smart Hakathon.

5. **Workshops :**
   To enhance the practical knowledge of the students, it is the practice of the department to conduct the workshops on PCB design, Robotics etc for second & third year students.

6. **Soft Skill Activity:**
   To develop the soft skill and aptitude skills of the students, the soft skill activity is conducted for all the third year students at the end of third year. In this activity the

aptitude skills, essay writing, technical skill are developed which are important for placement drive.

Mechanical Dept.

1. **Relevant curriculum in a fast changing world.**
   Department has B.O.S. Committee constituting of subject experts from different specialisation from industries and academics. Every semester there is a meeting to modify syllabi of different subjects.
2. **Emerging areas in innovative and inter disciplinary areas have to be evolved.**
   Subjects like Body In White Design Concepts and Plastic Trims in Automobiles, MEMS, PLC & SCADA, Industrial Automation, Mechatronics are introduced in the program, to accommodate new and innovative technologies and to work in interdisciplinary manner. Power Plant Engineering subject is introduced to accommodate needs of Thermax PVT. LTD. Product Design And Development subject is introduced to meet needs of TTL PVT. LTD

ETC Dept.

1. **Mentoring Activity:**
   For a group of 20 students, one mentor is allotted. The mentoring activity is carried out weekly. Slots are assigned in time table. The teacher has to maintain the record of allotted students. Record includes the personal and academic information of each student. The mentors are taking care of students and helping them to solve their academic and non academic problems.
2. **Internship:**
   As per the curriculum, the students of third year after first semester theory examination completion have to undergo the internship of minimum 2 weeks in the various Industries. This internship provides the industry awareness to the students. At the end of the Internship, students have to submit a technical report of the same and also have to give presentation on their internship experience.

MBA Dept.

Department of Management Studies has the best practice of providing Business Standard newspaper to all the students every day. Department has MOU with Business Standard newspaper, through which every year department organises "Business Quiz" where in the quiz is conducted by "Business Standard" and winners are honoured with gold, silver and bronze medals by "Business Standard".

7.3   Institutional Distinctiveness

(Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust. Provide the weblink of the institution in not more than 500 words.)

Industry Institute Interaction

- Institute has a strong industry institute interaction. This distinctive feature is continued through the years by various activities like the student internship, expert lecture sessions from industry persons, trainings, and industrial visits.

- The Memorandum of Understanding (MOUs) signed by institute with industry are helping in sharing the technical, professional knowledge as well as practical experiences both for faculty and students as well. Industries have donated the state of art equipments and instruments to the institute.

- The companies like BOSCH, Mistubhishi electric etc. have their industry sponsored laboratory set ups in the institute through which the students as well the nearby small scale industry personnel are also trained. Bosch-Rexroth's center of competence has specific focus on inculcating skills in the areas of Programmable Logic Controllers, Industrial Automation and Industrial Electro-Hydraulics and Electro-Pneumatics. Students are accordingly trained to tackle industrial problems. Students are encouraged to do their project and research in Automation.

- Being the autonomous institute, the institute supports for the skill development of the students and wants to generate the industry ready engineers. For this purpose, the emerging and current technologies are needed to be incorporated in the curriculum. So, different industry persons have been appointed on the board of studies as well as on academic council of the institute who look after and validate the curriculum development and modifications on time to time basis.

- Institute always support for the industrial trainings to be done by the faculty as well as students. Institute has made the internships compulsory in the undergraduate as well as post graduate curriculum to introduce the students with the industry environment.

- On periodic basis, institute organizes the expert guidance sessions from the industry persons on the recent and new emerging technologies. This helps to bridge the gap between the academia and the industry. Institute always encourages the sponsored projects from the industry. The nearby industries, public sector companies and banks also support the students by providing their problem statements for doing the cap stone projects. They also support the students with technical as well as non-technical contents and sometimes with the components needed for completion of the projects.

- At the same time students from different programs participate in the project design contests floated by the different leading industries addressing to different socio economical issues. After getting selected in these design contests students have got even placements in the reputed companies on the basis of designs they have done and provided during these contests. In some of the contests the students and their faculty mentors have got the certificate of appreciation from the companies as well they have got invitation to visit the company headquarters in the foreign countries which is sponsored by the companies themselves.

- The technical events like a national level technical activity, Tech symposium, as well as mini project exhibitions are held every year. These activities are helping to develop the design aspect of the students. For these events the industry personnel are invited as judges.

8. Future Plans of action for next academic year (500 words)

During next academic year, it has been planned to focus on job oriented certifications like AWS Certification, IBM Certification, Tata Technology – Ready Engineer Certification, Thermax - Power Plant Certification in various disciplines. Getting leverage of autonomy, through such certifications, more specific industry linked training is possible. These certifications will enhance job opportunity to students.

This will also enable students to seek better career options in the area of their liking and choice, to work for industry.

Students of third year of all branches, especially will be motivated and encouraged to generate curiosity about IPR and start-up related knowhow.

Name: **Prof. Dr. V.R. Naik**

_____
Signature of the Coordinator, IQAC

Name: **Prof. Dr. P.V. Kadole**

_____
Signature of the Chairperson, IQAC

DIRECTOR
D. K.T. E. Society's
Textile & Engineering Institute,
Ichalkaranji.
An Autonomous Institute

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Annexure-I

Programme with Code	Course with Code	Date of Introduction
TT	TTL322: INDUSTRIAL AUTOMATION (OPEN ELECTIVE)	2016-17
TT	TTL323: PLC & SCADA (Open Elective)	2016-17
TT	TTL324: ENTERPRISE RESOURCE PLANNING AND E-COMMERCE (Open Elective)	2016-17
TT	TTL325: COSTING (Open Elective)	2016-17
TT	TTL315: USTER TECHNOLOGY	2016-17
TT	TTD321:INTERNSHIP – I & INTERNSHIP -II	2016-17
TT	TEXTILE MILL PLANNING AND ORGANISATION	2016-17
TT	PROJECT PHASE – I & PROJECT PHASE – II	2016-17
TM	TML321: INDUSTRIAL AUTOMATION (OPEN ELECTIVE	2016-17
TM	TML322: PLC & SCADA (Open Elective)	2016-17
TM	TML323: COSTING (Open Elective)	2016-17
TM	TMD320: INTERNSHIP – I & INTERNSHIP -II	2016-17
TM	PROJECT PHASE – I & PROJECT PHASE - II	2016-17
TP	TPL321: PLC & SCADA (Open Elective)	2016-17
TP	TPL322: Enterprise Resource Planning And E-Commerce (Open Elective)	2016-17
TP	TPL323: COSTING (Open Elective)	2016-17
TP	TPD320: INTERNSHIP – I & INTERNSHIP -II	2016-17
TP	PROJECT PHASE – I & PROJECT PHASE - II	2016-17
TC	TCL322: INDUSTRIAL AUTOMATION (OPEN ELECTIVE)	2016-17
TC	TCL323: PLC & SCADA (Open Elective)	2016-17
TC	TCL324: ENTERPRISE RESOURCE PLANNING AND E-COMMERCE (Open Elective)	2016-17
TC	TCL325: COSTING (Open Elective)	2016-17
TC	TCD321: INTERNSHIP – I & INTERNSHIP -II	2016-17
TC	PROJECT PHASE – I & PROJECT PHASE - II	2016-17
TC	TEXTILE PROCESS PLANNING AND MANAGEMENT	2016-17
TF	FTL322: INDUSTRIAL AUTOMATION (OPEN ELECTIVE)	2016-17
TF	FTL323: ENTERPRISE RESOURCE PLANNING AND E-COMMERCE (Open Elective)	2016-17
TF	FTL324: COSTING (Open Elective)	2016-17
TF	FTD321: INTERNSHIP – I & INTERNSHIP -II	2016-17
TF	PROJECT PHASE – I & PROJECT PHASE - II	2016-17
ELL	Mini Project-III Lab (Arduino Based) ELD-309	15 /06/ 18
ELL	Mini Project-IV Lab (Raspberry pi Based) ELD-319	17 /12/ 18
ELL	Renewable Energy Sources (Mandatory Audit) ELI310	15 /06/ 18
ELL	Automation and Process Control ELL701	26/06/2019
ELL	Architecture of Industrial Automation Systems ELL702	26/06/2019
ELL	Architecture of Industrial Automation Systems Lab ELL703	26/06/2019
ELL	Industrial Robotics Mechanics and control ELL704	26/06/2019

Programme with Code	Course with Code	Date of Introduction
ELL	Control Logix Controller ELL705	26/06/2019
ELL	Siemens TIA Portal Step 7 WinCC PLC HMI ELL706	26/06/2019
ELL	Control Logix Controller Lab ELL707	26/06/2019
ELL	Automation and PLC Programming ELL404	26/06/2019
ELL	Internet Of Thing (IOT) ELL405	26/06/2019
ELL	Digital Marketing ELL422	16/12/2019
ELL	PLC based Industrial Applications ELL416	16/12/2019
ELL	Embedded Based Application ELL417	16/12/2019
ELL	Technical Textiles (TMLOE1)	15 /06/ 18
ELL	Introduction to JAVA Programming (CSLOE2)	15 /06/ 18
ELL	Fundamentals of Mechatronics (MELOE1)	15 /06/ 18
MEL	Entrepreneurship Awareness Camp (EAC) MEL313	JULY2018
MEL	PowerPlant Engineering MEL420/MEP422	DEC2018
MEL	BIW Design Concepts and Plastic Trims in Automotive (Vehicle Body and Structure Analysis)MEL411	JULY2019
ET	MOC (ETL401)	June 2019
ET	Comprehensive Lab (ETP406)	June 2019
ET	Project-I (ETD410)	June 2019
ET	Project-II (ETD429)	June 2019
ET	IOT (ETL415)	June 2019
CS	INDUSTRIAL TRAINING(CSP318)	Dec 2018
IT	INDUSTRIAL TRAINING(ITT318)	Dec 2018
IT	ENTREPRENEURSHIP DEVELOPMENT(ITI310)	June 2018
CS	MINIPROJECT-I(CSP217)	Dec 2017
CS	MINIPROJECT-II(CSD317)	Dec 2018
CS	SEMINAR(CSD309)	June 2018
CS	SOFTSKILL(CSI310)	June 2018
IT	SOFT SKILLS LAB(ITP208)	June 2017
IT	MINI PROJECT-I (ITP218)	Dec 2017
IT	MINI PROJECT-III(ITD317)	Dec 2018
MB	INDUSTRIAL TRAINING	June 2018
MT	INDUSTRIAL TRAINING	June 2018

Annexure-II

Title of field Projects	No.of students enrolled
TT	
Study and use of Industrial Engineering in Decentralized Weaving Unit.	4
Study of ultraviolet protection properties of woven fabric of different weaves.	4
To study the effect of contamination removal efficiency with different electronic yarn clearer.	4
TPE	
Evaluation of Knit Fabric properties produced from cotton and excel yarn at various stages of chemical processing.	4
Improving Productivity of Handloom	3
Fabrication of Crease Recovery Tester	4
TC	
Study in Treatment of Textile Effluent : An Innovative ZLD Approach	4
Preparation and Application of Natural Auxiliaries on Cotton	4
Waste Flowers for Dyeing of Cotton	4
Development of Need based Inserts for Face Mask	4
Graphene Oxide Coated Textiles Material for Supercapacitor	4
Studies of Drug Coated Biopolymer based on Nanofibres Material for Medical Application	4
MMTT	
Studies on the fabrics with Cuprammonium and polyester air textured blended yarn.	4
Studies on fabrics with recycled textured polyester yarn.	4
Comparative study of fabrics made from normal polyester filament yarn and kooltex polyester filament yarn.	4
Manufacture and study the properties of knitted fabric made from cuprammonium and viscose yarn.	4
FT	
Design and fabrication of electronic device on sewing machine -Industry sponsored Project – Mahavir Garment	4
Manufacture and studies of woven fabric made from 75D cuprammonium rayon, Industry Sponsored Project- Asahi Kasei	3
Internship of T.Y. B. Tech. all(TT,TM,TP,TC,TF) June 2019	**311**
Internship of Final year B. Tech all(TT,TM,TP,TC,TF) Dec 2019	**225**
ETRX	
Smart attendance system	4
Social service based cell phone app	4
Smart suite case for doctor	4
Collaborative Industrial Robotic ARM	4
Solar Operated E Bike	4
Driverless Bus	4
Smart car assistance	4

Title of field Projects	No.of students enrolled
Smart Fabric Folding Machine	4
Smart Water Heater System	4
Autonomous Solar Panel	4
Intelligent Energy Meter	4
Solar panel management and theft detection	4
Speech Recognition system in vehicle using Alexa	4
All students of TY B Tech had completed Industrial training	150
CSE	
Industrial TrainingTY B. TECH CSE	64
IT	
Industrial training TY B. TECH IT	78
ET	
Internship: TY B. Tech. Electronics and Telecommunication	63
Mech	
Design and development of Automatic sorting machine	4
Design of fixture for SPM used for drilling and tapping of part of brake drum	4
Design an ddevelopment of fertilizer spraying and weed removal machine	4
Automatic Quality control line for inspection	4
Design & mfg. of hydraulic fixture of differential housing	4
Design and mfg. of SPM for pump cover and pump body	4
SPM for billet loading in forging machine	4
Design and development of Automatic sorting machine	4
Design of fixture for SPM used for drilling and tapping of part of brake drum	4
Internships compulsory for all T.Y. B.Tech Students	**157**

Annexure-III

Sessions conducted by Dr. Sreekumar:

Time	Wednesday 11/03/2020	Thursday 12/03/2020	Friday 13/03/2020
10:00 am To 11:30am & 11:45 am To 1:15 pm	FY (MMTT/TPE): Acrylic Fibre Mfg & Its Applications	FY (FT): Fibres For Fashion	Interaction With Faculties and Progress Review of On Going Ph. D Work
2:30 pm To 4 pm & 4:15 pm to 5:15 pm	FY (TC): Acrylic Fibre Mfg & Its Applications	FY (TT): Acrylic Fibre Mfg & Its Applications	FY & SY MTech Textile: High performance fibers

Sessions conducted by Dr. Sreekumar:

Time	Wednesday 17/07/2019	Thursday 18/07/2019	Friday 19/07/2019
10:00 am to 11:30 am 11:45 am To1:15 pm	SY (TC): Acrylic Fibre Mfg & Its Applications	SY (FT): Fibres For Fashion	Interaction Faculties & Review of Ongoing Ph.D Work
2:30 pm To4 pm 4:15 pmto5:15 pm	SY (MMTT): Acrylic Fibre Mfg & Its Applications	SY (TT): Acrylic Fibre Mfg & Its Applications	SY (TPE): Acrylic Fibre Mfg & Its Applications

Sessions Conducted by Dr. G. Janakiraman:

Date	Time	Class	Topic
17/2/2020	10:50 AM to 1:50 pm	TY TT	Review of Cotton Fibre Properties and Testing
17/2/2020	3:00 PM to 5:00 PM	TY TT	Review of Yarn Properties and Testing
18/2/2020	10:50 AM to 1:50 pm	TY TT	Q.A. activities in Spinning
18/2/2020	3:00 PM to 5:00 pm	TY TT	Q.A. activities in Spinning
19/2/2020	10:50 AM to 1:50 pm	TY MMTT/ TPE	Review of Cotton Fibre Properties and Testing
19/2/2020	3:00 PM to 5:00 PM	TY MMTT/ TPE	Review of Yarn Properties and Testing
13/11/2019	10:50 AM to 1:50 pm	FY TT	Basic Concepts of Blowroom
13/11/2019	3:00 PM to 5:00 PM	FY TT	Research finding for development in Blow room
14/11/2019	10:50 AM to 1:50 pm	FY MMTT/ TPE	Basic Concepts of Blowroom
14/11/2019	3:00 PM to 5:00 PM	FY MMTT/ TPE	Research finding for development in Blow room
15/11/2019	10:50 AM to 1:50Pm	FY TC	Future scope and requirements of chemical Processing industries
15/11/2019	3:00 PM to 5:00PM	FY FT	Future scope and requirements of Garment industries

ANNEXURE-IV
D.K.T.E.SOCIETY'S
TEXTILE AND ENGINEERING INSTITUTE, ICHALKARANJI (An Autonomous Institute)
ACADEMIC CALENDAR of Institute (S.Y., T.Y. and FINAL B. TECH.)
(TERM-II Academic Year 2019-20)

Week	Month	Week Days							Events
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	June	27	28	29	30	31	1	2	
	June	3	4	5	6	7	8	9	
	June	10	11	12	13	14	15	16	
1	June	17	18	19	20	21	22	23	17TH JUNE COMMENCEMENT OF CLASSES (S.Y., T.Y. & FINAL B.TECH.)
2	June	24	25	26	27	28	29	30	
3	July	1	2	3	4	5	6	7	
4	July	8	9	10	11	12	13	14	
5	July	15	16	17	18	19	20	21	
6	July	22	23	24	25	26	27	28	
7	July / Aug	29	30	31	1	2	3	4	
8	Aug	5	6	7	8	9	10	11	10th - 16th August - SE - I (S.Y. and T.Y.B.TECH.)
9	Aug	12	13	14	15	16	17	18	12TH Aug - Bakari-Eid / 15th Aug. - Independence Day / 17th Aug.- Parsi New Year
10	Aug	19	20	21	22	23	24	25	
11	Aug/ Sept	26	27	28	29	30	31	1	
12	Sept	2	3	4	5	6	7	8	2nd Sept. - Ganesh Chaturthi / 7th Sept. - Gauri - GanpatiVisarjan
13	Sept	9	10	11	12	13	14	15	10th Sept.- Moharam / 12th Sept. - GanpatiVisarjan
14	Sept	16	17	18	19	20	21	22	18th - 21st Sept - SE - II
15	Sept	23	24	25	26	27	28	29	
16	Sept / Oct	30	1	2	3	4	5	6	2nd Oct. Mahatma Gandhi Jayanti
17	Oct	7	8	9	10	11	12	13	10th OCTOBER - LAST DAY OF TEACHING
18	Oct	14	15	16	17	18	19	20	17th - 24th Oct. - Practical/ Oral Examination
19	Oct	21	22	23	24	25	26	27	
20	Oct / Nov	28	29	30	31	1	2	3	27th - 29th Oct. - Dipawali
21	Nov	4	5	6	7	8	9	10	5th Nov.- 25th Nov. - Semester End Exam. (SEE)
22	Nov	11	12	13	14	15	16	17	10th Nov. - Eid-e-Milad / 12th Nov. - GurunanakJayanti
23	Nov	18	19	20	21	22	23	24	
24	Nov	25	26	27	28	29	30	1	28th Nov. - 28th Dec. –Internship
25	Dec	2	3	4	5	6	7	8	5th Dec. - Declaration of Results
26	Dec	9	10	11	12	13	14	15	
27	Dec	16	17	18	19	20	21	22	16TH DEC. COMMENCEMENT OF CLASSES - S.Y.B.TECH.
28	Dec	23	24	25	26	27	28	29	25th Dec. - Christmas
29	Dec / Jan	30	31	1	2	3	4	5	1st Jan 20 Commencement Of Classes (T.Y.& Final B.Tech.)

D.K.T.E.SOCIETY'S
TEXTILE AND ENGINEERING INSTITUTE, ICHALKARANJI (An Autonomous Institute)
Academic Calendar of Institute (1st Year, 2nd year and 3rd year)
(TERM-II Academic Year 2019-20)

Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Work days	Events
				Week Days					**Events**
December									
1	16	17	18	19	20	21	22	6	16th - Commencement of Classes
2	23	24	25	26	27	28	29	5	25th December - Christmas
3	30	31						2	
January								Total =13(Teaching : 11)	
3			1	2	3	4	5	4	
4	6	7	8	9	10	11	12	6	
5	13	14	15	16	17	18	19	6	
6	20	21	22	23	24	25	26	6	26th January - Republic day
7	27	28	29	30	31			5	
February								Total = 27(Teaching : 23)	
7					1	2		1	
8	3	4	5	6	7	8	9	6	1st Feb to 5th Feb SE I
9	10	11	12	13	14	15	16	6	15th Fashonova, 29th Techsymposium
10	17	18	19	20	21	22	23	4	19th Feb.- Ch. Shivaji Maharaj Jayanti, 21st Feb - Mahashivaratri, 4th Annual Social Function 4th week
11	24	25	26	27	28	29		6	
March								Total = 23(Teaching : 18-4 Social=14)	
11							1		
12	2	3	4	5	6	7	8	6	
13	9	10	11	12	13	14	15	5	10th March Holi
14	16	17	18	19	20	21	22	6	18th to 21st March SE II
15	23	24	25	26	27	28	29	5	25th March. - Gudi Padava
16	30	31						2	
April								Total = 21 (Teaching : 17)	
16			1	2	3	4	5	4	2nd April Ram Navami, 06th April - Mahavir Jayanti,
17	6	7	8	9	10	11	12	4	10th April - Good Friday,
18	13	14	15	16	17	18	19	5	14th April Ambedkar Jayanti, 18th April - Last Day of Teaching & Term-work Completion
19	20	21	22	23	24	25	26	6	22th April Locking of SIMS for CIE
20	27	28	29	30				5	
May								Total = 23 (Teaching : 09)	
20					1	2	3		1st May - Maharashtra Day
21	4	5	6	7	8	9	10		07th May - Buddha Purnima
22	11	12	13	14	15	16	17		02nd to 19th May SEE
23	18	19	20	21	22	23	24		20th to 26th May Practical/Oral Exam
24	25	26	27	28	29	30	31		30th May – Declaration of Results
June									
25	1	2	3	4	5	6	7		Revaluation and Makeup Exam Form Filling and Study
26	8	9	10	11	12	13	14		
27	15	16	17	18	19	20	21		15th to 27th June Makeup Exam
28	22	23	24	25	26	27	28		
29	29	30							30th June Makeup Result
									1st July- Commencement of classes for next year

DKTE Society's
Textile & Engineering Institute, Ichalkaranji
(An Autonomous Institute)
First Year B.Tech.
Academic Calender
2019-2020   Sem - I

AUGUST. - 2019

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Date	Event
8/7/2019	Directors Wel-Come Address
07 Aug.2019 onwards	Induction Programme
8/10/2019	Plantation & swacha bharat abhiyan
12-08-2019	Bakri Id
15-08-2019	Independence Day
17-08-2019	Parsi New Year
24-08-2019	Timetable of Tuesday
31-08-2019	Timetable of Wednesday

14 T + 2 S = 16

SEPTEMBER.-2019

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Date	Event
SEM EXAM-I (SE-I) 18 to 21 Sep.19	
02-09-2019	Ganesh Chaturthi
2 nd week	Parents Meet
07-09-2019	Timetable of Thursday
10-09-2019	Moharam
12-09-2019	Anant Chaturthi
14-09-2019	Timetable of Friday
21-09-2019	Timetable of Monday
20-09-2019	Timetable of Tuesday

15 T + 4 S = 19

OCTOBER. - 2019

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Date	Event
SEM EXAM-II (SE-II)	19 to 23 Oct.19
02-10-2019	Mahatma Gandhi Jayanti
08-11-2019	Vijaya dashami Dasara
25-11-2019	Dhanotryadashi
26-11-2019	Diwali
27-11-2019	Laxmi Pujan
28-11-2019	Balipratipada
29-10-2019	Diwali-Bhaubij

18 T

NOVEMBER. - 2019

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2

Date	Event
12-11-2019	Guru Nanak Jayanti

3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

22-11-2019	Last Teaching Day
30-11-2019	Term End

17T

DECEMBER. - 2019

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEM END EXAM(SEE) - 03 Dec.19 Onwards	
25-12-2019	Christmas
Declaration of Results	of Winter-2019 Exam

Total Working Day	In Sem Exam	Induction program	Teaching Days	Saturday With Working Time Table	Total Contact Days
91	6	7	64	6	70