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

Year : 2020-21

By

Dattajirao Kadam Technical Education Society's

TEXTILE & ENGINEERING INSTITUTE

(An Autonomous Institute affiliated to Shivaji University, Kolhapur)
'Rajwada', Ichalkaranji – 416115. Dist. Kolhapur, Maharashtra.
Phone: +91-230-2421300, 2437316, Fax: +91-230-2432329,
website: www.dkte.ac.in, email: dktestextile@gmail.com.

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 :   2020-21

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://drive.google.com/file/d/1tXYe9EQhEabs4Y2rjLOleNEe8njpiplW/view

4. Whether Academic Calendar prepared during the year?

Yes.
If yes, whether it is uploaded in the Institutional website: www.dkte.ac.in

Weblink: https://www.dkte.ac.in/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	03/10/2019	11 – IQAC members
Thrust on Enhancement of no. of patents submitted by the institute.	Academic Year 2020-21	--
Annual Quality Assurance Report on website www.dkte.ac.in	Academic Year 2019-20	--
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*
- *NBA etc.*
- *CII (Confederation of Indian Industry)*
- *ARIIA (Atal Ranking of Institutions on Innovation Achievements)*
- *Any other Quality Audit*

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. Dr. V.D. Shinde	Smart Foundry under TSDP	DST New Delhi	Sept 2016 to Aug 2019	19.19
Mechanical Dept. Prof. P.N. Gore	Indl. Product Design Centre under NCP	RID Bureau AICTE, Delhi	March 2009 to Feb 2012	22.50
Mechanical Dept. Dr. A.D. Patil	IC Engines Lab Development under MODROB	AICTE, Delhi	March 2020 (2 Years)	15.59
CSE / I.T. Dept. Mr. Shrenik Patil Mr. Prashantkumar Gavli Mr. Vivek Kheradkar Mr. Vinod Khetade	Funds for Research Initiation	Shivaji University	2020-21 (1 Year)	2.40

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: **NIL**
Due to Covid-19 Pandemic period , the IQAC meetings had not been conducted.

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 AQAR.

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: **Yes.**
Year: 2020-21   Date of Submission: 04/02/2022

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, makeup examination is executed and monitored.

Faculty Feedback and Course Exit Survey by the Students, is done through this software. This has helped institute in evaluation and feedback related to understanding of academic activities.

Outcome based component to verify the attendment level.   Also review indirect assessment levels and semester end exam attendment is also possible. This enables to evaluate any course attendment through the software.

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 Programmes for which syllabus revision was carried out during the Academic year 2020-21

Name of programme	Programme Code	Dates of revision
First year 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, CSE(AI), MBA, Electrical Engineering, Civil Engineering)	TT, TM, TC, TP, TF, ELL, ET, CS, IT, ME, AI, MBA, EE, CE.	01/02/2021

1.1.2 Programmes/ courses focussed 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 year 2020-21

A) Programmes:

Programme	Date of Introduction
B. Tech CSE-AI (Computer Science and Engineering-Artificial Intelligence)	01/02/2021
Honors degree in Data Science offered by Computer Science and Engineering department	13/07/2020
Honors degree in Technical Textile offered by Textile department	13/07/2020
Honors degree in Apparel Technology offered by Textile department	13/07/2020
Honors degree in Industry Automation and Robotics offered by Electronics Engineering Department	13/07/2020
Honors degree in Internet of Things (IoT) offered by Electronics and Telecommunication Engineering department	13/07/2020
Honors degree in Mechatronics offered by Mechanical Engineering department	13/07/2020
Honors degree in Electric Vehicles offered by Electrical Engineering department	13/07/2020
Honors degree in Construction Technology offered by Textile department	13/07/2020
Minor degree in Applied Data Science	13/07/2020

B) Courses:

Course	Date of introduction
Two Open Elective courses for all TY B. Tech (Textile) students were introduced which were taught by Industry Personnel and Alumni 1. Innovation In Textiles (UALOE1) 2. Production Planning and Control (IELOE1)	01/02/2021
An audit course - Computer Operating Skill (ATL302) was introduced for all TY B. Tech (Textile students)	13/07/2020

Management and Organizational Behavior (MBL501) Business Communication and Corporate Etiquettes (MBL505) Skills for Managers (MBL508)	13/07/2020
Industrial Trends in Embedded System (ELL432)	13/07/2020

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.

<div align="center">

Details given in ANNEXURE-III

</div>

Semester Exchange Program:

Mr. Kaliya Ram Ramesh Kumar and Mr. Nuruzzaman Nahid from TY B. Tech were selected by Hof University of Applied Sciences, Germany to study their 6th Semester at Hof University under credits transfer scheme. The credits transfer scheme is one of the activities of the MoU signed between our institute and Hof University, Germany

Workshop For Final Year B. Tech (FT) students:

Three days' workshop for Final Year B. Tech Fashion Technology Students was conducted from 8thto 10thMay 2021 using online platform mode on 'Garment and Fashion Industry supported by Lead College Cluster, Shivaji University, Kolhapur. Various renowned Speakers/ Technocrats/ Experts/ CEOs from leading Apparel industries guided students on the topics related to Fashion Designing, Merchandising, Lean Manufacturing, Garment Quality, Industrial Engineering, sustainability in Fashion & Retailing, etc.

Eduskill: Certified training course on AWS Cloud foundation under Eduskill was offered for final year B. Tech CSE students

Eduskill:

Certified training course on AVR Microcontroller Programming under (Eduskill Course-Microchip) was offered for final year B. Tech Electronics students

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.2020-21

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 Programmes 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 2020-21

Value added courses	Date of introduction	Number of students enrolled
Mechanical:		
Electric & Hybrid Vehicles	13/7/2020	48
Machine Maintenance	13/7/2020	46
Internet Of Things	13/7/2020	47
MBA:		
Corporate Ethics	13/7/2020	MBA-II, SEM-III 64

CSE and IT:		
Softskill	13/7/2020	(CSE 64) + (IT 78)
Enterprise Network Design(CSL0E3)	13/7/2020	TY CSE (65)
Environment Science	13/7/2020	SY CSE (Div A-78 + Div B-82)
AWS Cloud foundation (Eduskill)	13/7/2020	Final B.Tech CSE (90)
Robotic Process Automation (Eduskill)	13/7/2020	T.Y CSE (90)
Electronics		
AVR Microcontroller Programming (Eduskill Course-Microchip)	1/2/2021	Final Electronics (155)
Renewable Energy Sources ELI310	15/6/2018	Third Year Electronics (145)
Soft skill	13/07/2020	Third Year Electronics (145)
Textile:		
Environmental studies	13/07/2020	SY B. Tech (Textile-All) (275)
Professional Ethics	13/7/2020	TY B. Tech (Textile-All)280
Soft Skill	13/7/2020	TY B. Tech (Textile-All) 280
Electrical:		
Environment Studies (ELL 211)	13/7/2020	83
Soft skill	13/7/2020	Electrical (54)
Civil:		
Environmental Studies	17/06/2019	61

1.3.2 Field Projects / Internships under taken during the year	
Project/Programme Title	No. of students enrolled for Field Projects / Internships
Details-Annexure-II	

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 scrutinised 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.

Course Exit Survey as well as Program exit survey is also collected from students. From these surveys weak COs and POs are identified and then necessary actions are taken for improvement.

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.

At the end of each semester Faculty Meeting is arranged and their feedback for the institute is collected and analyzed and then 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(T)+6(E)	Online admission process through CAP Rounds I, II, III. No fix count of applications in each round.	60+3(T)+6(E)
Man-Made Textile Technology	30+2(T)+3(E)		30+2(T)+3(E)
Textile Plant Engineering	30+2(T)+3(E)		24+2(T)+3(E)
Textile Chemistry	60+3(T)+6(E))+1 (FNS)		57+3(T)+6(E)+1 (FNS)
Fashion Technology	30+2(T)+3(E)		30+2(T)+3(E)
Mechanical Engineering	120+6(T)12(E)		17+5(T)+6(E)
Computer Science & Engineering	120+6(T) + 12(E) +3(JKPMSS)		119+6(T)+12(E)+ 3(JKPMSS)
Electronics & Telecommunication Engineering	120+6(T)+12(E)		116+6(T)+ 12(E
Civil Engineering	60+3(T)+6(E)		34+3(T)+5 (E)
Electrical Engineering	60+3(T)+6 (E)		47+3(T)+6(E)
Computer Science & Engg. (Artificial Intelligence)	60+3(T)+6 (E)		59+3(T)+6(E)
MBA	120+6(T)+12(E)		101+2(T)+6(E)
M. Tech. Textile Engg./ Technology	18+2(E)		6+0(E)
M. Tech. Ele. & Tel. Comm. Engg.	18+2(E)		01+0(E)
M. Tech. Mech. Engg.(PDD)	18+2(E)		02+0 (E)
M. Tech. Comp. Sci.& Eng.	18+2(E)		4+0 (E)
T-TFWS, E-EWS,JKPMSS –Jammu Kashmir Quota			

2.2 Catering to Student Diversity				
2.2.1. Student - Full time teacher ratio (2020-21)				
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
2020-21	3218	249	184	24	208

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 class rooms	E-resources and techniques used
208	208	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, the institute offers a student mentorship programme.

A mentor activity coordinator is appointed by the department. The coordinator assigns a group of students to a mentor at the start of each academic year. (The group size ranges from 15-20 students.) The coordinator provides templates for maintaining records such as student data, minutes of meetings, monthly reports, and end-of-semester reports, among other things. The mentor conducts the meeting of the students once in a week. During the COVID-19 epidemic, the mentorship meeting was held online utilising Google Meet, Zoom, and Microsoft Teams, among other platforms. The mentorship meeting covers academics, infrastructure, co-curricular and extracurricular activities, and professional counselling. The class organiser receives a monthly report from each mentor. The coordinator sends a summary to the department's head, who will take any necessary action on unsolved issues. The coordinator prepares a summary of the mentoring activity, as well as feedback on the action taken, at the end of each semester.

Mentoring Faculty urge students to seek help from the institute's Industry-Institute Partnership cell, Entrepreneurship Development cell, and Career Guidance cell. The organisation of talks by famous persons from the academic, industrial, and social sectors provides professional guidance.

A mentor encourages students to participate in extracurricular activities outside of the classroom, such as literary, cultural, and sporting activities, which provide opportunities to develop leadership qualities, decision-making abilities, team spirit, precision, analytical abilities, socio-psychological awareness, and other skills that contribute to an individual's intellectual ability.

Mentoring provides one-on-one attention to students, which helps them enhance their performance and confidence. Academic performance, such as class attendance and test results, has improved, as has participation in co-curricular activities, such as paper presentations, technical competitions, and social activities. The strong mentoring programme also assists in determining a student's interest in research and innovation.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
3467	208	1:16.66

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.
208	208	-	09	45

2.4.2 Honours and recognitions received by teachers *(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)*			
Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020-21	Prof. (Dr.) P. V. Kadole	Director	Most Ideal Director Award, Dynergic Business Solution
2020-21	Prof. (Dr.) P. V. Kadole	Director	Outstanding Scientist Award, VDGOOD Professional Association
2020-21	Prof. (Dr.) P. V. Kadole	Director	Indian Achievers' Award for Excellence in Education, Indian Achievers' Forum & Achievers' World
2020-21	Prof. (Dr.) P. V. Kadole	Director	Reviewer, Textile Research Journal, USA Journal of Industrial Textiles, USA
2020-21	Prof.(Dr.) P. V. Kadole	Director	Scroll of Honour, IE India
2020-21	Prof.(Dr.) M. B. Chougule	Professor	Scroll of Honor award for the centenary year The Institution of engineers, India
2020-21	Prof. Mrs. A. A. Raybagi	Assistant Professor	Durga Stree Shakti Puraskar, Rotary Club of Ichalkaranji
2020-21	Prof. A. A. Hulle	Assistant Professor	Award by ASMA India
2020-21	Mr. R. L. Gotipamul	Assistant Professor	Top 20 Expert Faculties in the field of Chemical, Bio- Medical, Marine, Petroleum & Textile Engineering
2020-21	Prof. (Dr.) S. R. Kamat	Reviewer	Advanced Engineering Forum and Advanced Materials
2020-21	Prof. M. K. Patil	Assistant Professor	I2OR Outstanding Educator Award 2019, 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
2020-21	Mrs. D. N.Dhang	Assistant Professor	Best Teacher Award , Rotary Club Ichalkaranji

2020-21	Mrs.J.P.Kharat	Assistant Professor	Jury Member , Smart India Hackathon 2020
2020-21	Prof. A. D.Kadage	Assistant Professor	Reviewer MAT Journal
2020-21	Prof. A. D. Kadage	Assistant Professor	Best Paper Presentation, ICRTEETIMP Dayanandsagar College of Engg. Bangalore
2020-21	Prof. Dr. S. R. Prasad	Assistant Professor	Interview Panel Member KWC, Sangli for selection of Senior, Research Fellow for ISRO sponsored project

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
i. Summer session of A.Y. 2020-2021

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	2 & 3 year	17/06/2021	8/07/2021
Textile Technology	UTT	1 year	23/08/2021	17/09/2021
Textile Technology	UTT	4 year	03/06/2021	8/07/2021
Man Made Textile Technology	UTM	2 & 3 year	17/06/2021	8/07/2021
Man Made Textile Technology	UTM	1 year	23/08/2021	17/09/2021
Man Made Textile Technology	UTM	4 year	03/06/2021	8/07/2021
Textile Plant Engineering	UTP	2 & 3 year	17/06/2021	8/07/2021
Textile Plant Engineering	UTP	1 year	23/08/2021	17/09/2021
Textile Plant Engineering	UTP	4 year	03/06/2021	8/07/2021
Textile Chemistry.	UTC	2 & 3 year	17/06/2021	8/07/2021
Textile Chemistry.	UTC	1 year	23/08/2021	17/09/2021
Textile Chemistry.	UTC	4 year	04/06/2021	8/07/2021
Fashion Technology	UTF	2 & 3 year	17/06/2021	8/07/2021
Fashion Technology	UTF	1 year	23/08/2021	17/09/2021
Fashion Technology	UTF	4 year	03/06/2021	8/07/2021
Electronics Engineering	UEL	2 & 3 year	17/06/2021	8/07/2021
Electronics Engineering	UEL	1 year	N/A	N/A
Electronics Engineering	UEL	4 year	03/06/2021	8/07/2021
Mechanical Engineering	UME	2 & 3 year	18/06/2021	8/07/2021
Mechanical Engineering	UME	1 year	22/08/2021	17/09/2021
Mechanical Engineering	UME	4 year	03/06/2021	8/07/2021
Computer Science & Engineering	UCS	2 & 3 year	17/06/2021	8/07/2021
Computer Science & Engineering	UCS	1 year	22/08/2021	17/09/2021
Computer Science & Engineering	UCS	4 year	03/06/2021	8/07/2021

Electronics & Telecommunication Engineering	UET	2 & 3 year	17/06/2021	8/07/2021
Electronics & Telecommunication Engineering	UET	1 year	22/08/2021	17/09/2021
Electronics & Telecommunication Engineering	UET	4 year	03/06/2021	8/07/2021
Information Technology	UIT	3 year	12/06/2021	8/07/2021
Information Technology	UIT	1 year	N/A	N/A
Information Technology	UIT	4 year	03/06/2021	8/07/2021
Civil Engineering	UCE	2 & 3 year	17/06/2021	8/07/2021
Civil Engineering	UCE	1 year	22/08/2021	17/09/2021
Civil Engineering	UCE	4 year	N/A	N/A
Electrical Engineering	UEE	2 & 3 year	17/06/2021	8/07/2021
Electrical Engineering	UEE	1 year	22/08/2021	17/09/2021
Electrical Engineering	UEE	4 year	N/A	N/A
Computer Science & Engineering (Artificial Intelligence)	UAI	1 year	22/08/2021	17/09/2021
M.B.A.	PMB	1 year	25/08/2021	17/09/2021
M.B.A. (Textile)	PMT	1 year	N/A	N/A

ii. Makeup session of A.Y. 2020-2021 – Supplementary Exam for Backlog

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	2 & 3 year	16/08/2021	14/09/2021
Textile Technology	UTT	1 year	07/10/2021	26/11/2021
Textile Technology	UTT	4 year	N/A	N/A
Man Made Textile Technology	UTM	2 & 3 year	20/08/2021	14/09/2021
Man Made Textile Technology	UTM	1 year	08/10/2021	26/11/2021
Man Made Textile Technology	UTM	4 year	N/A	N/A
Textile Plant Engineering	UTP	2 & 3 year	11/08/2021	14/09/2021
Textile Plant Engineering	UTP	1 year	10/10/2021	26/11/2021
Textile Plant Engineering	UTP	4 year	N/A	N/A
Textile Chemistry.	UTC	2 & 3 year	17/08/2021	14/09/2021
Textile Chemistry.	UTC	1 year	12/10/2021	26/11/2021
Textile Chemistry.	UTC	4 year	09/08/2021	14/09/2021
Fashion Technology	UTF	2 & 3 year	20/08/2021	14/09/2021
Fashion Technology	UTF	1 year	09/10/2021	26/11/2021
Fashion Technology	UTF	4 year	13/08/2021	14/09/2021
Electronics Engineering	UEL	2 & 3 year	17/08/2021	14/09/2021
Electronics Engineering	UEL	1 year	N/A	N/A

Electronics Engineering	UEL	4 year	N/A	N/A
Mechanical Engineering	UME	2 & 3 year	16/08/2021	14/09/2021
Mechanical Engineering	UME	1 year	13/10/2021	26/11/2021
Mechanical Engineering	UME	4 year	11/08/2021	14/09/2021
Computer Science & Engineering	UCS	2 & 3 year	16/08/2021	14/09/2021
Computer Science & Engineering	UCS	1 year	13/10/2021	26/11/2021
Computer Science & Engineering	UCS	4 year	N/A	N/A
Electronics & Telecommunication Engineering	UET	2 & 3 year	16/08/2021	14/09/2021
Electronics & Telecommunication Engineering	UET	1 year	13/10/2021	26/11/2021
Electronics & Telecommunication Engineering	UET	4 year	09/08/2021	14/09/2021
Information Technology	UIT	3 year	N/A	N/A
Information Technology	UIT	1 year	N/A	N/A
Information Technology	UIT	4 year	11/08/2021	14/09/2021
Civil Engineering	UCE	2 & 3 year	11/08/2021	14/09/2021
Civil Engineering	UCE	1 year	13/10/2021	26/11/2021
Civil Engineering	UCE	4 year	N/A	N/A
Electrical Engineering	UEE	2 & 3 year	N/A	N/A
Electrical Engineering	UEE	1 year	13/10/2021	26/11/2021
Electrical Engineering	UEE	4 year	N/A	N/A
Computer Science & Engineering (Artificial Intelligence)	UAI	1 year	13/10/2021	26/11/2021
M.B.A.	PMB	1 year	06/10/2021	26/11/2021
M.B.A. (Textile)	PMT	1 year	N/A	N/A

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	2,779	0%

2.6 Student Performance and Learning Outcomes

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

➢ 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 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. 2020-2021)**				
Programme Code	Programme name	No. of students appeared in final year examination	No. of students passed in final Sem/ year examination	Pass Percentage
UTT	Textile Technology	93	93	100
UTC	Textile Chemistry	80	80	100
UTM	Man Made Textile Technology	39	39	100
UTP	Textile Plant Engineering	40	39	97.50
UTF	Fashion Technology	37	36	97.30
UEL	Electronics Engineering	155	155	100
UME	Mechanical Engineering	161	159	98.76
UCS	Computer Science & Engg	64	64	100
UET	Electronics & TeleComm. Engg	69	69	100
UIT	Information Technology	80	79	98.75
PTE	Textile Engineering	02	02	100
PEL	Electronics Engineering	02	02	100

PME	Mechanical Engineering	00	00	-
PCS	Computer Science & Engg	00	00	-
PMB	M.B.A.	63	63	100
PMT	M.B.A. (Textile)	44	43	97.73

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) and Feedback Link
Textile Engineering	http://192.168.20.6/feedback/
Electronics Engineering	
Mechanical Engineering	
Computer Science & Engineering	
Electronics & Telecommunication Engineering	
Information Technology	
Electrical Engineering	
Civil Engineering	

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
---	---	---	---

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year: **NIL.**

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	---	---	---	---

3.2 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	---	---	---	---
Minor Projects	---	---	---	---
Interdisciplinary Projects	---	---	---	---
Industry sponsored Projects	---	---	---	---
Energy storing body panels	---	---	---	---
Projects sponsored by the University/ College	2 year	Shivaji University	1,35,000	---
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

Dept.	Research Project	Agency	Funds (Lakhs)
Textiles	TBI : Various faculty members	DKTE's TEI (Shree Chhatrapathi Textile Development forum, Rendal; Pruthvi Electric Bikes, Ichalkaranji; Jambhekar Automation Solutions; Tex US; Adhish Textiles; Saraswat Co-op Bank;	500.00
Textiles	TIFAC : Various Faculty members	Bristi Ummelewara, BMEA, University of Fashion & Technology, Bangladesh; Nur	500.00

		Nahar Aktar, BMEA, University of Fashion & Technology, Bangladesh	
Textiles	MSME : Various Faculty members	10 Ideas Incubation in Textiles	250.00
Mechanical	Smart Foundry : Prof. Dr. V.D. Shinde	DST, Delhi	19.19
Mechanical	IC Engines Lab Development	MODROB, AICTE, Delhi	15.59
CSE	Research Fund to Prof. Shrenik Patil	Shivaji University, Kolhapur	0.55
CSE	Research Fund to Prof. Prashantkumar Gavli	Shivaji University, Kolhapur	0.65
CSE	Research Fund to Prof. Vivek Kheradkar	Shivaji University, Kolhapur	0.55
CSE	Research Fund to Prof. Vinod Khetade	Shivaji University, Kolhapur	0.65

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)**
"Intellectual Property" through Google meet. Expert speaker was Mr. Dhruv Brahmbhatt and Mrs. Puja Menon of 'MyCrave Incorporation' Baroda	Mechanical	25/07/2020
Workshop on Intellectual Property Rights by MyCrave Inc. Vadodara	Mechanical	11/02/2021
Identifying Intellectual Property component at the early stage of Innovation	Computer Science and Engg	22/10/2020
Kalam Program for IP Literacy and Awareness programs	Computer Science and Engg	15 to 24/10/2020
Prototype Validation-Converting Prototype into a Startup	Computer Science and Engg	11/05/2021
World IP Day	Computer Science and Engg	26/04/2021
Institute Level Innovative Ideas and Proof of Concept Contest	Computer Science and Engg	05/10/2020
Entrepreneurship as a Career Choice	Textiles	22/03/2021
From your Phd/Masters Thesis to a Start-up	Textiles	23/04/2021
Accelerators/ Incubation Opportunities for Students and Faculties- Early Stage Entrepreneurs	Electronics and Telecommunication	30/06/2021
Innovation and Startup Ecosystem	Electrical	30/06/2021
Building on innovation/product fit for market	Mechanical	29/06/2021
Angel Investment & VC Funding Opportunity for Early-Stage Entrepreneurs	MBA	17/06/2021
Innovations & Entrepreneurship in Water Resources Engg	Civil	24/02/2021

Imbibe Entrepreneurship	Electronics and Telecommunication	26/02/2021
Business Canvas	Textiles	23/01/2021
Prototype Design and Development	Mechanical	25/01/2021
Entrepreneurship Development Phases	Mechanical	15/01/2021
Renewable Energy Sources	Electronics	24 to 25/10/2020
Digital Marketing	Electronics	13 to 17/1/2020
Integrated Marketing Management	Electronics	09/01/2020
Future in Industrial Automation	Electronics	06/11/2020
Embedded Automation Testing	Electronics	09/11/2020
Trends in VLSI Technology	Electronics	10/11/2020
Opportunities in Europe and current Trends in Electronics	Electronics	07/11/2020
Master Journey from India to US	Electronics	08/11/2020
Training Prog.on ETAP Software in Power system tools.	Electrical	02 & 03/09/2020
Industrial Automation PLC and SCADA	Electrical	03 & 04010/2020
Electrical Vehicle and Industrial Automation	Electrical	28 to 30/11/2020
Transverse Flux Machine	Electrical	10/10/2020
Power Factor Correction Techniques	Electrical	18/10/2020
spirituality: In the way of Engineering	Electrical	17/02/2021

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
Stress Detection	Alankar Shelar	AICTE Chhatra Vishwakarma Award	June 2021	Mental Health, Psychological Support
An Autonomous Robotic System for Restaurants	Miss. Saloni Patil, Miss. Nikita Rajpurohit Mr. Ashish Sahasrabudhe	DKTE's TEI Ichalkaranji	29/04/2021	Winner - Tech-Symposium 2K21
PIONEER 2021: Prakalp	Mr. Tejas Chavan, Mr. Jayateerth Dambal, Mr. Shreeraj Ghorpade (SY-Electronics)	KITCOE, Kolhapur	05/04/2021	Hardware Design
E Summit 2021 – Marketing Box Event	Miss. Manisha Shirapuram - SY Electronics	Entrepreneurship Cell, ICT Mumbai.	12 to 14/03/2021	Management and marketing
EPISTEME 2k20	Mr. Tejas Chavan	DKTE TEI Ichalkaranji	26/10/2020	Softskill

Face recognition based attendance System with temp. Monitoring & face mask detection based door unlock system	Mr. Tejas Chavan, Mr. Jayateerth Dambal, Mr. Shreeraj Ghorpade (SY-Electronics)	DIPEX, ABVP, Maharashtra	23/05/2021	Hardware and software
Smart Weaving Machine Prototype Model (Retrotexrap-I)	Mr. Raviraj Patil Mr. Prajwal Patil Mr. Omkar Patil Mr. Aniket Pakhale	Ministry of Govt of India, AICTE, India	May 2021	National Innovation Contest
PIONEER 2021: Prakalp	Mr. Tejas Chavan, Mr. Jayateerth Dambal, Mr. Shreeraj Ghorpade (SY-Electronics)	KITCOE, Kolhapur	05/04/2021	Hardware Design

3.3.3 No. Of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
Software Incubation Center	Software Incubation Center	Institute (Self)
Entrepreneurship Development Cell	Entrepreneurship Development Cell	Institute (Self)
Technology Business Incubation	Technology Business Incubation	Institute(Self)
Focused Incubation Center for Coated Textile	Focused Incubation Center for Coated Textile	Institute(Self)
DKTE TBI	Textile and Garment Technology	DST GOI, Delhi

Name of the Start-up	Nature of Start-up	Date of commencement
SMART xEduCom LLP	Education e content	09-01-2021
Raviraj Patil, (Student Startup)	JIDO TICS	01-06-2021
Dr. R.N. Patil, Prof. Vaibhav Dhotre	D-SMART Innovative Technologies	17-08-2021

3.4 Research Publications and Awards			
3.4.1 Ph. Ds awarded during the year			
Name of the Department		No. Of Ph.Ds Awarded	
Textiles		02	
E&TC		01	
MBA		01	

3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. Of Publications	Average Impact Factor, if any
National	Textiles	6	0.3
International	Textiles	12	0.75
International	Mechanical	24	-
International	CSE+IT	1	-

International	E&TC	3	3
International	Electronics	24	-
International	Civil EngG	14	5
National	MBA	7	N.A.
International	MBA	11	4.6

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
Mechanical	--
Textiles	05 Chapters
Electronics engineering	1
Civil Engineering	2

3.4.4 Patents published/awarded during the year			
Patent Details	Patent status Published/ Filed	Patent Number	Date of Award
Portable continuous reclamation system	Published	202021026142	-
IOT based Smart Particle	Published	202021026146	-
Design and working of a varying force measuring device	Published	202021026140 A	-
A Thermal Sand Reclamation System For The Foundry Sand Reuse	Published	201921041436	-
Artificial Bee Hive	Published	320647-001	01/09/2020
Chalk and Laser Pointer Holder Device Within Duster Body	Published	333579-001	-
Design and working of a filtration efficiency tester for non-woven material used in air filtration.	Published	202021026036 A	-
Design Of Textile Substrate Which Can Be Inserted Into Suitable Media Such As Face Mask, Surgical	Filed	202021034612	-
A Method To Produce Needle Punched Nonwoven Fabrid Using Elastomeric Staple Fibers	Filed	202021043788 A	-
A Method Of Making Of An Organic Meditation Mat Using Natural	Filed	202021041720	-
A system for Real-Time Grams per Square Meter Measuring of Nonwoven Fabric	Published	202121020590	-
IOT Based ES For Fire Detection And Extinguish In Sugarcane Farm	Filed	202021048551	-
IOT Based Smart Energy Saving Socket	Filed	202021048553	-

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	No. Of citations excluding self citations
Credit Card Fraud Detection Using Supervised Learning Approach	Prof. Dr. S.K. Shirgave	Int. Journal of Scientific & Technology. Research	2020	0.2	DKTE TEI Ichalkaranji	1
Bos 26aurus Urine Assisted Biosynthesis of CuO Nanomaterials : A New Paradigm of Antimicrobial and Antineoplatic Therapy	Dr S R Prasad	Macromolecular Symposia	2020	0.85	DKTE TEI Ichalkaranji	1
Bio-inspired synthesis of catalytically and biologically active palladium nano particles using Bos 26aurus urine	Dr S R Prasad	SN Applied Sciences	2020	-	DKTE TEI Ichalkaranji	7
An Impact of Nationwide Lockdown on Physico-chemical Parameters of Bhogavati River Water	Dr S R Prasad	ES Energy & Environment	2020	-	DKTE TEI Ichalkaranji	1
IOT Based Water Quality Monitoring System	Dr S R Prasad	Int. Journal of Scientific Research & Engg Trends	2021	4.153	DKTE TEI Ichalkaranji	
A review on concept of nanotechnology in veterinary medicine	Dr S R Prasad	ES Food & Agro forestry	2021	1.775	DKTE TEI Ichalkaranji	2
A review on bio-inspired synthesis of silver nano particles: their antimicrobial efficacy and toxicity	Dr S R Prasad	Engineered Science	2021	-	DKTE TEI Ichalkaranji	1
Image Enhancement Based on Opencv Using Python 2.7	Dr S R Prasad	Int. Advanced Research Journal in Sci., Engg & Tech.	2021	7.105	DKTE TEI Ichalkaranji	
Image Enhancement Based on Opencv	Mr A P Athane	Int. Advanced Research	2021	7.105	DKTE TEI Ichalkaranji	

Using Python 2.7		Journal in Science, Engg & Technology				
IOT Based Surveillance Robotic Car Using Raspberry Pi	Dr S R Prasad	Int. Journal of Scientific Research & Engg Trends	2021	-	DKTE TEI Ichalkaranji	
A Critical Review on Design and Development of Gas Sensing Materials	Dr S R Prasad	Engineered Science	2021	-	DKTE TEI Ichalkaranji	6
Studies on Physico-Chemical Properties of Krishna River Water Particularly in Sangli-Kolhapur Districts of Western Maharashtra	Dr S R Prasad	Textile Trends	2021	0.101	DKTE TEI Ichalkaranji	
Simulation of a hybrid equalization for ISI Cancellation in Wireless Systems	Dr A D Kadage	Journal of Analog and Digital Communications (MAT J.)	2021	-	DKTE TEI Ichalkaranji	
Channel Estimation techniques for next generation mobile systems: A brief review	Dr A D Kadage	Wesleyan Journal Of Research (An Int. Research Journal)	2021	-	DKTE TEI Ichalkaranji	
Analysis of Comparative Performance of Channel Estimation in LTE+ Systems	Dr A D Kadage	Vidyabharati Int. Interdisciplinary Res. Journal	2021	-	DKTE TEI Ichalkaranji	
Decision Directed Channel Equalization In LTE+ Systems Multiuser Environmen	Dr A D Kadage	Int. Journal of Scientific & Technology Research	2021	-	DKTE TEI Ichalkaranji	
Turbo decoder performance analysis in multiuser LTE+ systems	Dr A D Kadage	Journal of communication Engg and Its Innovations	2021	-	DKTE TEI Ichalkaranji	
Health Monitoring System for COVID-19 Nonwoven Fabric	Prof P C Dhanawade	Int. Journal of Adv. In Engg &Management	2021	-	DKTE TEI Ichalkaranji	
E- menu ordering System	Mr. V. M. Davande	Int. Journal of Scientific Research in Engg & Mngt.	-	3.18	DKTE TEI Ichalkaranji	

Automation in LPG Cylinder Monitoring System	Prof A R Telepatil	Int. Journal of Scientific Research & Engg Trends	-	-	DKTE TEI Ichalkaranji	-
Review on Embedded Wearable Sensors for Hand Gesture Recognition	Prof A R Telepatil	Int. Journal of Electronics & Telecommunication (JET)	-	0.93	DKTE TEI Ichalkaranji	-
Ayurvedic Plant Leaf Classification using Image Processing Techniques & SVM	Prof. Dr. L.S. Admuthe	Int. Research Journal of Engg & Technology	2020		DKTE TEI Ichalkaranji	
Efficient Steam Utilsation Control System	Prof. Dr. L. S. Admuthe S. J. Patil	Int. Journal of Research in Engg & Science IJRES	2021		DKTE TEI Ichalkaranji	
Embedded system design for forced circulation system n system	Mr.S.D. Gokhale	Int. Journal of Adv. Research, Ideas & Innovations in Technology			DKTE TEI Ichalkaranji	
Generation of different waveforms for stimulation of human body	Mr.S.D. Gokhale	Int. Journal of Adv. Research, Ideas & Innovations in Technology	2021		DKTE TEI Ichalkaranji	
Raspberry pi Vehicle Anti Theft Face Recognition System	Mr.A.V. Shah	Int. Journal of Scientific Research in Engg & Mngt	2021		DKTE TEI Ichalkaranji	
A Robust Passive Blind Copy-Move Image Forgery Detection	Mrs. J. P. Kharat	Int. Journal of Information & Computer Security	2021		DKTE TEI Ichalkaranji	
Delivery Drone	Mrs. J. P. Kharat	Int. Journal of Research in Engg & Sci.	2018		DKTE TEI Ichalkaranji	
A Robust Region Duplication Detection Scheme for Digital Video	Mrs. J. P. Kharat	IJFGCN Accepted for Publication			DKTE TEI Ichalkaranji	
Online Car Parking Allotment System	Mrs.S.A. Pore	Int. Journal Of Innovative Research In Technology	2021		DKTE TEI Ichalkaranji	
Genetically related	Mrs.	Journal of	2021		DKTE TEI	

singers – Acoustic Feature analysis & impact on singer identification	Deepali Loni	Applied Genetics			Ichalkaranji	
Video Magnification For Fingerprint Using Eulerian	Mr. S. M. Karmuse	Int. Journal of Scientific & Technology Research	2020		DKTE TEI Ichalkaranji	
IOT – SASWS – A Revolutionary Framework for Waste Management	Mr. S. M. Karmuse	Int. Journal of creative research thoughts	2020		DKTE TEI Ichalkaranji	
IOT – SASWS – A Revolutionary Framework for Waste Management	Mrs.A.R. Patil	Int. Journal of creative research thoughts	2020		DKTE TEI Ichalkaranji	
Thermal Controlled Contactless Smart Door System and Touchless Sanitizer	Mrs.A.R. Patil	Int. Journal of Engineering Research & Technology	2021		DKTE TEI Ichalkaranji	
Dynamic Road Traffic Violation/Accident Detection and Management	Mrs. A.R.Patil	Int. Journal of Engineering Research and Applications	2021		DKTE TEI Ichalkaranji	
Virtual Telepresence Robot	Mr. S.J. Patil	Int. Journal of Research in Education and Science	2021		DKTE TEI Ichalkaranji	
Fruition Adroit Systematic Transport (F.A.S.T)	Mr. S.J. Patil	Int. Journal of Research in Engg science & Mngt	2021		DKTE TEI Ichalkaranji	
Border Security Robot using IoT	Mr. V. B. Kumbhar	Int. Journal of Innovative Research in Computer and Commu. Engg	2021		DKTE TEI Ichalkaranji	
Smart Vehicle	Mrs. P.S.Puri	Int. Journal of Research in Engineering and Science	2021		DKTE TEI Ichalkaranji	
Cost Effective Braille Text Messenger Using GSM and PIC microcontroller	Mrs.Y.V. Sawant	Int. Journal of Innovative Research in Computer and Commu. Engg	2021		DKTE TEI Ichalkaranji	

Automatic Car Washing System	Mr.Niraj B Kapase	Int. Journal of Research in Engineering and Science	2021		DKTE TEI Ichalkaranji	
Garbage Connect	Mr. Niraj B Kapase	Int. Journal of Research in Engineering and Science	2020		DKTE TEI Ichalkaranji	
Attendance Management system using face recognition and body temperature sensing	Mr.M.K. Patil	Int. Journal of Research in engineering and science	2021		DKTE TEI Ichalkaranji	
Farmer Friendly Drone	Mrs.S.A. Pore	Int. Journal of Scientific Research & Engg Trends	2021		DKTE TEI Ichalkaranji	
Ayurvedic Plant Leaf Classification using Image Processing Techniques and SVM	Prof. Dr. L.S. Admuthe	Int. Research Journal of Engineering & Technology	2020		DKTE TEI Ichalkaranji	
Efficient Steam Utilsation Control System	Dr. L. S. Admuthe Prof. S. J. Patil	Int. Journal of Research in Engg and Science	2021		DKTE TEI Ichalkaranji	
A Comparative Study of various methods for forest change Detection	Dr. V. Jayshree	IJGDC	2020		DKTE TEI Ichalkaranji	
A Forest Change Detection using auto Regressive Model based Kernel Fuzzy Clustering	Dr. V. Jayshree	ETERT	2020		DKTE TEI Ichalkaranji	
Role of Dynamic voltage Restorer (DVR) in smart grid	Mr.R.M. Malkar Mr.V.B. Magdum	IJSART	2020		DKTE TEI Ichalkaranji	
Feature Extraction and FIS Scheme for fault Detection in PV system	Mrs. S.A. Wadekar	IJAREE	2020		DKTE TEI Ichalkaranji	

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
Bos 31aurus Urine Assisted Biosynthesis of CuO Nano materials: A New Paradigm of Antimicrobial and Anti neoplatic Therapy	Dr S R Prasad	Macromolecular Symposia (Wiley)	2020	76	1	DKTE TEI Ichalkaranji
Analysis of comparative performance of channel estimation in LTE+ systems	Dr A D Kadage	Vidyabharati Int. Inter-disciplinary Research Journal	2020	1.469	-	DKTE TEI Ichalkaranji
Decision Directed Channel Equalization In LTE+ Systems Multiuser Environment	Dr A D Kadage	Int. Journal of Scientific and Technology Research	2020	18	-	DKTE TEI Ichalkaranji

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :				
No. Of Faculty	International	National	State	Local
Attended Seminars/ Workshops	2 / 10	--	--	--
Presented papers	2	--	--	--
Resource Persons	--	--	--	--
Attended Seminars/ Workshops	2	44	--	--
Presented papers	2	--	--	--
Resource Persons		2	--	--
Attended Seminars/ Workshops	--	35	--	--
Presented papers	1	--	--	--
Resource Persons	--	2	--	1
Attended Seminars/ Workshops	SVC	--	--	--
Presented papers	4	1	--	--
Resource Persons	--	--	--	--
Attended Seminars / Workshops (Electrical)	--	45	5	2
Presented papers	--	--	--	--
Resource Persons	--	--	--	--
Attended Seminars/ Workshops	--	23	--	--
Presented papers	--	--	--	--
Resource Persons	--	--	--	--
Attended Seminars/ Workshops	2	24	20	5
Presented papers	--	--	--	--
Resource Persons	--	2	--	--

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant (s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Mechanical	Foundry Consultancy-Fan Bracket	Parvati Foundry, Mangaonwadi	5000
Mechanical	Foundry Consultancy-Mount Bracket	Iconic Castings, Tardal	5000
Mechanical	Foundry Consultancy-Hub	Iconic Castings, Tardal	7500
Mechanical	Foundry Consultancy-Clutch Lever	Iconic Castings, Tardal	5000
Mechanical	Foundry Consultancy	Iconic Castings, Tardal	5000
Mechanical	Foundry Consultancy-PRC-14	Parvati Foundry, Mangaonwadi	5000
Mechanical	Foundry Consultancy-PRC-18	Parvati Foundry, Mangaonwadi	5000
Electronics	AI and Machine Learning Lab	Procom Enterprises, Ichalkaranji	50000

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	Knitting Technology	Total Oil Pvt. Ltd, Mumbai.	25,000	04
	Training in Weaving	Abdullat Sanmati Cluster foundation	50,000	10
	Training in Garment Mfg.	MIMA, Malegaon	25,000	10
	Training in Wet Processing	MIMA, Malegaon	25,000	10

3.6 Extension Activities

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

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
NSS	NSS unit of Textile & Engg, Institute, Ichalkaranji.	6	20

Women in leadership	Textile and Engg Institute under NSS and ICC.	4	200
Seminar on "Animal Equality" by Civil Engg Dept	Civil Engineering Department	5	64
Word EN DAY – 5th June 2020	NSS TEI With Gram Panchayat Sangaon	4	100
International Yog Din-21st June 2020	NSS TEI With Art of Living	5	50
Communal Harmony Day & International Nonviolence Day	NSS TEI Unit	5	125
National Integration Day	NSS TEI Unit	3	100
National Youth Day	NSS TEI Unit	5	110
Celebration Of Shiv Jayanti	NSS TEI Unit	3	80

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
N I L			

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 coordinated such activities	Number of students participated in such activities
NSS	NSS unit of Textile and Engg Institute, Ichalkaranji.	Swachh Bharat	6	20
Swatch Bharat Abhiyan during 1 to 15 Aug 2018	NSS TEI Unit	Cleaning roads around Gaonbhag Ichalkaranji	4	80

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
N I L			

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)	participant
Internship	Winter Internship	Alex Industries , Kolhapur	23/01/2021 07/02/2021	All TY students
		Anil Armani & company, Pune	22/01/2021 07/02/2021	
		Ashta Liners Pvt. Ltd. Ashta	05/02/2021 2/12/2021	
		Auto components , Jaysingpur	1/23/2021 2/6/2021	
		Beacon Gear Box	1/30/2021 2/13/2021	
		BlueStar Automobiles, Ichalkaranji	22/01/2021 07/02/2021	
		Devendra Engineering Works , jaysingpur	25/01/2021 04/02/2021	
		Dietmar Systems, Miraj	23/01/2021 07/02/2021	
		EICHER AUTHORISED, Chandrapur	02/02/2021 14/02/2021	
		Excel Engineers , Sangli	30/01/2021 13/02/2021	
		Gear tech Engineers Pvt. Ltd.,Tanang	22/01/2021 07/02/2021	
		Geeta Pumps PVT.LTD. shiroli MIDC	26/10/2021 10/02/2021	
		Gurudatta Industries and Sumit Tin Makers , Yalgud	24/01/2021 06/02/2021	
		Harishchandra Toolings	24/01/2021 08/02/2021	
		Healthcare Industries	02/02/2021 17/02/2021	
		IMF , F.I.E Group , Ichalkaranji	24/01/2021 07/02/2021	
		Jangs Technologies, Kabnoor,	22/01/2021 07/02/2021	
		Kay Power And Paper Ltd. Satara	24/01/2021 06/02/2021	
		Ketomac Engineering, Ichalkaranji	23/01/2021 02/08/2021	
		Kolhapur Auto Works Pvt. Ltd. Kolhapur	27/01/2021 11/02/2021	
		Koshal Engineering, Sangli	22/12/2020 07/01/2021	

		Laxmi Rubber Industry, Tasgaon	23/01/2021 08/02/2021	
		Leena Engineering Works, Solapur	22/01/2021 07/02/2021	
		Mahabal Auto Ancillaries Pvt. Ltd.	25/01/2021 07/02/2021	
		Mahabal Auto Pvt. Ltd , Sangli.	23/01/2021 07/02/2021	
		Mane Foundry, Ichalkaranji	25/01/2021 14/02/2021	
		Marvelous Engineers Pvt. Ltd., MIDC Gokul Shirgaon, Kolhapur.	30/01/2021 13/02/2021	
		Mauli Industries,Shiroli MIDC,Kolhapur	22/01/2021 06/02/2021	
		Micro Engineers ,Ishan Engineering Works	22/01/2021 07/02/2021	
		Netalkar Engineers, Belgavi	25/01/2021 07/02/2021	
		Omkar Enterprises , Jaysingpur	24/01/2021 08/02/2021	
		Pentamech Industry, Ichalkarani	1/3/2021 15/3/2021	
		Prag Industries, Miraj	24/1/2021 5/2/2021	
		Pragati Automation Pvt. Ltd.	23/1/2021 6/2/2021	
		S.R. Engineering, Kupwad	22/1/2021 13/2/2021	
		Sadashivrao Mandlik Sugar Factory Ltd, Hamidwada	29/1/2021 13/2/2021	
		SAI Industries Pvt. Ltd	22/1/2021 5/2/2021	
		Saroj Engineering Udyog Pvt. Ltd., Jaysingpur	1/27/2021 2/10/2021	
		Sharad Sugar Factory Ltd. Narande	1/27/2021 2/11/2021	
		Shimpukade Quality Components Pvt. Ltd. Kolhapur	1/29/2021 2/12/2021	
		Shree Narsinha Engg., Tardal	2/16/2021 3/8/2021	
		Shree Sai Automobiles, Shiroli	1/22/2021 2/7/2021	
		Shri Datt Industries, Agar Bhag, Shirol.	1/22/2021 2/7/2021	
		Siddheshwar Industries, Palus	1/22/2021	

			2/5/2021	
		Sky Industries, Tilawani	1/22/2021 2/7/2021	
		Sound Casting Pvt. Ltd. unit 3,Tardal	2/1/2021 2/11/2021	
		Sourabh Industries, Shiroli MIDC, Kolhapur	1/22/2021 2/7/2021	
		SSS ENGINEERS, Aurangabad	1/23/2021 2/6/2021	
		Sun Auto Components ,Jaysingpur	1/22/2021 2/7/2021	
		Super Craft Foundry, Jaysijgpur.	1/29/2021 2/9/2021	
		Suyesh Foundry Pvt. Ltd. , Kupwad.	1/22/2021 2/5/2021	
		Technique Core Shop	12/1/2020 1/31/2021	
		Techno Plast Industries, Pune	1/27/2021 2/10/2021	
		Varsa tech engineer , Ichalkranji	1/28/2021 2/13/2021	
		Vishwasrao Naik Sah.Sakhar Karlhana Chikhali. Tal- Shirala, Dist- Sangli.	1/23/2021 2/6/2021	
		Western Persicast Pvt Ltd	1/27/2021 2/14/2021	
		Alex Industries , Kolhapur	1/23/2021 2/7/2021	
		Anil Armani & company, pune	1/22/2021 2/7/2021	
		Ashta Liners Pvt. Ltd. Ashta	2/5/2021 2/12/2021	
		Auto components , Jaysingpur	1/23/2021 2/6/2021	
		Beacon Gear Box	1/30/2021 2/13/2021	
		BlueStar Automobiles, Ichalkaranji	1/22/2021 2/7/2021	
		Cooper corporation Pvt Ltd. Satara	22/01/2021 07/02/2021	
		Devendra Engineering Works , jaysingpur	25/01/2021 04/02/2021	
		Dietmar Systems, Miraj	23/01/2021 07/02/2021	
		Eicher Authorized, Chandrapur	02/02/2021 14/02/2021	

Industrial Training	Industrial Training	ATES Technical School, Bengalore Arunodhay Technical Education Solution, Hosapalya, Bangalore	25/01/2021 20/02/2021	TY CSE 52
Industrial Training	Industrial Training	PHN Technology, Pune	20/01/2021 05/02/2021	TY CSE 92
Virtual Internship	Cyber Security Virtual Internship	EduSkill	12/03/2021 12/04/2021	110
Training/ Internship	Training/ Internship	Edgate Technologies Pvt. Ltd. Bangalore	01/12/2020 15/01/2021	17
Training/ Internship	Training/ Internship	Tensor Plus, Ichalkaranji	01/12/2020 15/01/2021	43
Training/ Internship	Training/ Internship	Microtech, Kagal	01/12/2020 15/01/2021	14
Training/ Internship	Training/ Internship	Electro India, Sangli	01/12/2020 15/01/2021	01
Training/ Internship	Training/ Internship	Intellectual equipment	01/12/2020 15/01/2021	01
Training/ Internship	IoT & Raspberry Pi	Electrowing Services	01/12/2020 15/01/2021	01
Industrial Training	Industrial Training	BSNL, Pune	21/01/2021 to 03/02/202	30
Industrial Training	Industrial Training	Protiex, Mumbai	20/01/2021 to 05/02/202	31
Industrial Training	Industrial Training	Buds Engineering, Pune	20/01/2021 to 06/02/202	30
Industrial Training	Industrial Training	Prolific Systems and Technologies, Pune	20/01/2021 to 30/02/202	40
Industrial Training	Industrial Training	Sharada Electronics, Sangli	01/07/2020 to 30/04/2021	32
Project Work	Efficient System utilization control system	Global Texspin Ichalkaranji	21/01/2021 to 03/02/202	4
Project Work	Embedded based force circulation system	Omkar Solar system Kagal	01/07/2020 to 30/04/2021	4
Internship	In-plant Training	Various textile industries like Welspun, Raymond, Trident Group, Vardhaman, Reliance, Jayashree Textiles, Birla Century, Proklean Technology Pvt. Ltd etc. Total no. of companies – 100	05-12-2020 to 05-01-2021	275

Internship	In-plant Training	Various textile industries like Welspun, Raymond, Trident Group, Vardhaman, Reliance etc. (No. of companies- 72)	05-12-2020 to 05-01-2021	292
Pre-placement offer	Internship & Project work	Kusumgar Corporation	26/06/2020	6
Pre-placement offer	Internship & Project work	Vardhman Industries	29/06/2020	7
Pre-placement offer	Internship & Project work	Birla Century	29/06/2020 to 29/09/2020	5
Pre-placement offer	Internship & Project work	Grasim Industries	29/06/2020	1
Internship	Field training	Various Civil Engineering sites approached by students	01/06/2021 to 30/07/2021	61

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

Organisation	Date of MoU signed	Purpose and Activities	Number of students/ teachers participated under MoUs
Cloud Counselage Pvt. Ltd. Mumbai	13/08/2020	Train The Trainers program for faculty, Access to our job portal; Job Cloud, Off-Campus placements updates, Newsletter (updates on hackathons etc.) monthly, Monthly seminars, webinars, etc.	50
BSNL, Pune	27/10/2020	a. To conduct training programs and hands on training for faculties and students b. To organize industrial visits for students c. To provide in plant training to the students d. To organize exchange of knowhow between faculties of the college and the engineers working in BSNL.	32
SVP International School of Textiles and Management, Coimbatore	11/09/2020	Student & faculty exchange and research activities.	Dept. and organization
The Kosygin State University, Russia	20/09/2021	Student & faculty exchange and research activities.	Dept. and organization

DK ASC College Ichalkaranji.	01/10/2021	Student & faculty exchange and research activities.	Dept. and organization
Wollo University Ethiopia	28/09/2020	Student & faculty exchange and research activities.	Dept. and organization
University of Mauritius	18/11/2021	Student & faculty exchange and research activities.	Dept. and organization
Institute of Defence Scientists and Technologists	22/11/2021	Student & faculty exchange and research activities.	Dept. and organization
DK ASC College Ichalkaranji	24/09/2021	Access to our laboratory , Off-Campus graduation placements updates monthly, Resources sharing, Monthly seminars, webinars, etc.	100

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
1,26,56,000/-	1,08,63,646/-

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing Sq.mtr	Newly added Sq.mtr
Campus area	33,151	347 Sq. M.
Class rooms	90	2
Laboratories	123	9
Seminar Halls	07	1
Classrooms with LCD facilities	25	16
Classrooms with Wi-Fi/ LAN	19	3
Seminar halls with ICT facilities	04	0
Video Centre	01	2
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	26	15
Value of the equipment purchased during the year (Rs. in Lakhs)	115.98	63.10
Others	3.68	0.02678

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	Fully	3.8.0	2006

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	51738	317.16	2655	18.84	54393	336.44
Reference Books	22587		219		22806	
e-Books	15112	0.71			15112	0.71
Journals	115	2.76	13	0.25	128	3.01
e-Journals	21814	1.43			21814	1.43
Digital Database	3	----	----	-----	3	----
CD & Video	6915	----	179	----	7094	----
Library automation	1	1.95	----	----	1	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
Dr. S. R. Prasad	Artificial Intelligence supervised and unsupervised learning	ETC Moodle	29/01/2021
P S Badkar	Theory of Machine	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	01/07/2020
U S Bongarde	Applied Thermodynamics	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	27/09/2020
R D Patil	Fluid Mechanics	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	28/08/2020
A M Rathod	Heat and Mass Transfer	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper	06/09/2020
K K Powar	Machine Tool and Processes	Notes, Lab Handout, Teaching Plan, Subject Related Videos, Lab Manual, Previous Year Question Paper Online lecture	26/09/2020
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	Power point presentations for various subjects	Microsoft Power Point Camtasia Software	22/06/2020
Mr. N. B. Kapse Mr. S. M. Karmuse Mr. U.A. Patil	Videos for different subjects	You tube	18/06/2021

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	935	32	510	15	01	03	10	---	---
Added	90	06	---	01	01	01	01	---	---
Total	1025	38	510	16	02	04	11	---	---

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

500 MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Moodle Portal : ICT Tools	https://www.dkte.ac.in/index.php/under-graduate/engineering-department/b-tech-electronics-engineering/b-tech-electronics-moodle
Faculty Blogs	
Video lectures by faculty	
Social Awareness Videos	
Recording Studio	https://www.dkte.ac.in/video

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
13985345	5603048.44	326119	237419

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 equipment's is done by internal laboratory assistant monthly. External maintenance of equipment's 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 the scheme	Number of students	Amount in Rupees
Financial support from institution	Students welfare fund fee concession	5	1,62,634
Financial support from other sources			
a) National	SC	338	3,09,33,407
	ST	6	5,82,764
b) State	EBC	1,329	5,38,01,817
	SBC, VJNT, OBC	1,050	6,77,30,685

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	750 (In each semester 4 hours)	F.Y B. Tech. (Engg. & Textile)

Yoga, Meditation:

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Meditation Spirituality in the way of engineering	17/02/2021	60	Electrical Department

Soft Skill: (Textile)

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill development	18/06/2020 to 19/06/2020 23/06/2020 26/06/2020 to 28/06/2020 02/07/2020 to 03/07/2020 12/09/2020 to 13/09/2020 15/09/2020 to 16/09/2020 26/09/2020 03/10/2020 10/10/2020 17/10/2020 to 18/11/2020 19/01/2021 to 20/01/2021	292	Universal Education, Bangalore
Soft skill development	14/03/2020	275	Universal

	07/03/2020		Education, Bangalore
	20/06/2020 to 21/06/2020		
	24.06.2020 to 25/06/2020		
	30/06/2020		
	01/07/2020		
	04/07/2020		
	05/07/2020		
	21/07/2020 to 30/07/2020		
	08/09/2020 to 11/09/2020		
	17/09/2020 to 20/09/2020		
	28/01/2021 to 30/01/2021		

Soft Skill: (ETC)

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill of placement	07/03/2021	54	Tensor Plus

Soft Skill: (ETRX)

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill of placement	07/03/2021	93	Tensor Plus

Soft Skill: (CSE)

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Technical Training	07/03/2021	60	Tensor Plus
AWS, Linux	25-01-2021 to 20-02-2021	52	ATES Technical School, Bangalore
Full Stack Web Development	25-01-2021 to 20-02-2021	90	PHN Technologies, Pune
Certificate for Completion of C	1/07/2020 to 30/11/2020	36	Spoken Tutorial Project, IIT Bombay funded by MHRD Govt of India
Certificate for Completion of Linux	1/07/2020 to 30/11/2020	40	- do -
Certificate for Completion of Java	1/07/2020 to 30/11/2020	110	- do -
Certificate for Completion of Python	1/07/2020 to 30/11/2020	91	- do -
Certificate for Completion of PHP & MySQL	1/07/2020 to 30/11/2020	22	- do -
Certificate for Completion of CPP	1/01/2021 to 30/03/2021	29	- do -
Certificate for	1/01/2021 to	89	- do -

Completion of PHP & MySQL	30/03/2021		
AWS Cloud Foundation Training	23/04/2021 to 29/04/2021	10	DKTE CSE Faculty

Personal Counselling and Mentoring:

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Mentoring Scheme (ETC)	14/09/2020 to 13/03/2021	235	Departmental Faculties
Mentoring Scheme (ETRX)	14/09/2020 to 13/03/2021	250	Departmental Faculties
Mentoring Scheme (Mech.)	14/09/2020 to 13/03/2021	360	Departmental Faculties
Mentoring Scheme (MBA)	14/09/2020 to 13/03/2021	215	Departmental Faculties
Mentoring Scheme (Text.)	14/09/2020 to 13/03/2021	1037	Departmental Faculties
Mentoring Scheme (CSE)	14/09/2020 to 13/03/2021	350	Departmental Faculties

Remedial Coaching:

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Remedial Coaching (ETRX)	14/09/2020 to 13/03/2021	20	Subject Teachers

.

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

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2020-21	GRE (ETC)	04	04	04	02
2020-21	GATE (ETC)	44	44	00	00
2020-21	GATE+GRE (Mech)	138	97	04	02

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
---	---	---

5.2 Student Progression			
5.2.1 Details of campus placement during the year			
On campus		**Off Campus**	
Name of Organizations Visited	**Number of Students Participated**	**Number of Students Placed**	**Number of Students Placed**
Electronics Engineering	93	55	
Electronics & Telecomm. Engg	54	49	
Computer Science and Engg	60	60	
Information Technology	67	67	
Mechanical	95	66	
MBA			
Opex	05	02	
Pinclick	10	01	
Home Revise	03	01	
Sai Services	03	01	
eClerks	09	01	
Bhutada Investment co.	02	01	
VisudhAjivam	04	02	
TCS (MT)	04	01	
Reliance Digital	04	01	
Prudent	08	01	
Pinclick	06	01	
Akhil Time Management Co.	02	01	
Padhhigh	02	01	
ICICI Banak	35	23	
D-Mart	18	07	
Textiles:			
Birla Century (Ppo)	23	5	
Welspun India Limited	37	6	
Vardhman Textiles Ltd.,	86	9	
B R Specialities, New Delhi (Ppo)	1	1	
Himatsingka Linens	39	3	
Kusumgar Corporates Pvt. Ltd.,	85	1	
Arvind Ltd., Ahmedabad	45	11	
Lnj Group	60	5	
Aquarelle India Pvt. Ltd.,	20	1	
Precot Meridian Ltd., Hassan	10	2	
Reliance Retail Ltd., (Rrl)	87	8	
Murata Machinery Pvt. Ltd.	42	5	
Indaco Jeans Pvt. Ltd., , Tarapur (Spykar)	38	13	
Standard Carpets, Dubai (International)	53	1	
White House	19	3	

Reid & Taylor India Ltd., Mysore	19	7	
Bhaskar Industries Ltd., Bhopal	38	4	
Accenture	2	2	
Sagar Group	27	2	
Prabhu Naidu India Pvt. Ltd., Mumbai	1	1	
Raymond Luxury Cottons Pvt. Ltd., Kagal	15	5	
Prathibha Syntex, Indore	11	5	
Cgm Group, South Africa	20	3	
B.R.F.L., Tarapur	64	13	
Gillanders Arbuthnot Co. Ltd., Ludhiyana	5	2	
Vitthal Corporation Ltd.,	9	5	
Rsj Inspection Service Pvt. Ltd.,	23	1	
Faze Three	41	1	
Gm Syntex, Tarapur	3	3	
J. G. Hosiery Pvt. Ltd., Kalkatta	18	0	
Maxima Fashion Export Pvt. Ltd.	3	1	
Americhen Polymers India Pvt. Ltd.,	16	3	
Trident Group	1	2	
Voith Paper Fabrics India Limited Faridabad, Delhi	15	0	
Dmart , Mumbai	26	5	
Rhodenium Pvt. Ltd., Piragut, Pune	59	11	
Silvercrest Clothing Pvt. Ltd., Bangalore	12	7	
Govt. Resulation Women College	1	1	
Oswal Woollen Mills Ltd., Ludhiana	16	5	
Brfl Textiles Private Limited (Btpl), Tarapur	11	9	
Epic Yarns Pvt. Ltd. (Brfl)	27	4	
Welspun Industries Ltd., Hyderabad	11	1	
Ken Global Design	11	2	
Ginza Industries Ltd.,	5	1	
Premier Group, Hosur	15	4	
Solini International,Vasai	9	2	
Infiloon, Nashik	2	2	

Jockey	10	2	
Nsl Textile Ltd., Hyderabad	11	2	
Arvind Ltd., Santej	1	1	
Alok Industries Ltd., Silvassa	12	4	
Raymond Ltd., Jalgaon	1	1	
Control Union, Navi Mumbai	1	1	
G. M. Fabric,	4	2	
Indo-Count Industries Ltd.	12	6	

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
2020-21	03	B. Tech	ETC	Concordia University	M.E. Electrical & Computer Engg
				Michigan Tech Graduate School	MS program in Mechatronics
				Robinson college of Business, Georgia Uni.	MS Data Sci.& Analytics prog.
2020-21	11	B. Tech	Mech. Engg .	Australian National University, Australia	Mechatronics Engineering
				Michigan Technological University	Mechatronics
				Michigan Technological University	Mechatronics
				Cranfield University	Engg & Management
				University West, Sweden	Robotics
				RWTH Aachen Uni.Germany	Textile
				Texas Tech University, USA	Industrial Engineering'
				T. H. Rosenheim University Germany	Mechanical and Plastic Engineering
				Australian National University Australia	Mechatronics
				University Of Illinois Chicago, USA	Mechanical Engineering
				'Wright State University, USA'	Industrial & Human Factors Engg

5.2.3 Students qualifying in state/ national/ international level examinations during the year (e.g. 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	02(ETC)+1(Mech)+3 (CSE)+08(Text)	EC19S52049256 (Swapnali Kore), EC19S52047206 (Shubham Kadam) + ME19522062689 + CS19S32049138, CS19S32049118, CS19S32047226 + TF19S22047113, TF19S22048052, TF19S22049232, TF19S22049068, TF19S22048096, TF19S22049262, TF19S22049060, TF19S22004072
GMAT		
CAT	3 (Mech)	3718124, 1863651, 4042005
GRE	01 (ETC) + 07(Text)	5754693
TOFEL	07 (Text)	
Civil Services		
State Government Services	01(Text)	
Any Other (IELTS)	4 (Mech.)	141306, 073036, 315277, 236500

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

Activity	Level	Participants

NIL. *Due to Covid-19 Pandemic situation, Cultural activities like singing, dancing, drama etc. are organized from 21st to 23rd May 2021 through online mode.*

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
-----	-----	-----	-----	-----	-----	NIL

Due to Covid-19 Pandemic situation, Cultural activities like singing, dancing, drama etc. are organized from 21st to 23rd May 2021 through online mode.

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

Students are the part of the B.O.S. The B.O.S. constitutes of all the class representatives of every class.

Scope & Objectives of Student Council:
1.   To formulate rules and regulations for selection / election of student & ladies

representative for student council,

2. To carryout selection / election process for student & ladies representative for student council, To plan various cultural and academic activities in the academic year,
3. To give suggestions to Director / Management to enhance facilities for students based on feedback from student / ladies representative,
4. To maintain co-ordination between student and Director / management,
5. To keep discipline in the college campus in co-ordination with students representatives,
6. To make the students participate in the development of the institute as well as in the process develop their personality, organizational skills and career through interactive programs with the faculty, administration and society,
7. The goal of the student council is to provide a common platform to students for co-curricular and extra-curricular activities,
8. To plan various societal activities for NSS,
9. To take necessary steps to encourage students to participate in NSS activities, Building a partnership between the Institute and community with service.

(Textiles)

The Textile Association (I) Ichalkaranji Miraj Unit (TAIMU) Student's Chapter had done the following activities :

- Organized webinar on "How to Write Literature Review in Research", by Mrs. Rajitha Nair, Senior Data Scientist, Researcher, Entrepreneur, Cofounder of Rjitha Nair Business Analytical Solutions, Nashik on 20th June, 2020 from 11.00 am. To 12.30 pm. for Third Year B.Tech. Students & TAIMU Members.
- Organized Technical Book Reading Session on, "Science In Clothing Comfort" - Apurba Das and R.Alagirusamy by Prof. S.N. Jawale& Prof. A.A. Raybagi on 25/06/2020 from 11.00 am. to 12.00 noon.
- Organized a special drive of creating website of every T.Y. B.Tech. students on 25/11/2020
- Organised online MS Team interaction session, "Journey from Thinker to Achiever" with successful alumni of DKTE, Mr. Sunil Ghalsasi, Sr. Vice President, Alok Industries Ltd., Mumbai on Friday, 06th November, 2020, 03:00 PM.
- Organized webinar on "Business Canvas Workshop", by Prof. V.Y. Badave& Prof. H.S. Dayma on 23rd January, 2021 from 11.00 am. to 12.30 pm. for Third Year B.Tech. students & TAIMU Members.
- Organised online MS Team interaction session with successful alumni of DKTE, Mr. Deepak Patil & Mr. Sanjay Quane on 27th January, 2021 at 11.30 AM.
- Organised online MS Team interaction session successful alumni of DKTE, Mr. Pravin Bhagwat, Egypt on29th January, 2021 at 07.00 PM
- Organized webinar on "Concept of Budget & its Impact on Textile Industry" by Mr. Sourabh Toshniwal on 12th Feb., 2021 at 11.30AM.. for Third Year B.Tech. Students & TAIMU Members.

(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:
- On 3[rd]November 2020 Dept. has organized Webinar on "Antenna Theory and Applications",

under (COMSA) for Third Year B. Tech class.

- On 1st December 2020Guest lecture of Digital Image Processing, N. K. Orchid College of Engineering and Technology, Solapur for Final Year B. Tech class.
- On 13th March 2021for Third year B. Tech. class workshop organized on "LabVIEW", IETE students chapter and COMSA
- On 20th and 21st October 2020 for Second year B. Tech. class two days online workshop entitled "Circuit Simulation using Proteus"
- One day mini project design & testing contest entitled "Design Mania" under IETE student chapter & COMSA students association on 06th February 2021 for second year students.

(ETRX)

- The Electronics students association ESSA is reformed on July 2019 which comprises of third year students. The department has IETE student's chapter for third year and 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. The mini project competition was arranged on 5th October 2019 wherein the students from 2nd and 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 29th February 2020. The event received a huge response of students from various colleges for the event Game of Drone, Robotics etc.
- One day workshop on Autonomous robot was arranged by ESSA committee for second year students to make them aware about programming concepts of line follower robots on 10th February 2020.

 (MECHANICAL)

- DKTE Institution's Innovation Council IIC and Mechanical Engineering Department organized a Workshop on 'Prototype Design and Development' on 25th Feb. 2021.Students of Mechanical Engineering Student's Association (MESA)coordinated the function.
- DKTE organized National Level Online Technical Event, "TECH-SYMPOSIUM 2K21" on 29th April 2021 in Online mode. The two events "Battle of Wits" and "Among us" was organized by the Department of Mechanical Engineering. The "Battle of Wits" event was organized in three levels based on professional skills viz. Quiz, Poster Presentation and Extempore. The "Among us" event was organized based on Mobile Games. This event was successfully conducted with the help of Mechanical Engineering Students Association

MESA.

- Online "Send-off" function for Final Year B. Tech Mechanical Engineering students was conducted on Saturday, 22nd May 2021. Around 115 students, all Mechanical Engineering Faculty members attended the function.
- Students are the part of the B.O.S. The B.O.S. constitutes of all the class representatives of every class.

(ELECTRICAL)

- Students are the members of B.O.S. The B.O.S. constitutes of all the class representatives of every class.
- Electrical Engineering students (TY and SY B.Tech.) celebrated Teachers' Day on September 5th to mark the birth anniversary of the country's former President, Scholar, Philosopher and Bharat Ratna Dr Sarvepalli Radhakrishnan. The Invite and Guest of Honour was Dr. D.P. Kotari, Former Vice Chancellor VIT, Vellore, Director in-Charge IIT Delhi, who graced the occasion virtually and shared his views and experiences to all students and faculty members of Electrical Engineering Department.
- Electrical Engineering students and Faculty Celebrated virtually in association with Electrical Engineering IEI Students' Chapter, Engineer's Day on 15th September 2020, in honour of Bharat Ratna Sir Mokshagundam Visvesvarayya as a tribute to one of the greatest engineer of the country for his outstanding contribution to society. Delivered talk on "Engineers and Social Contribution" by Er. Devidas V. Kulkarni - DGM, Maharashtra Energy Development Agency (MEDA), Govt. of Maharashtra
- IEEE Student Branch DKTE (STB17301) team - Diwali 2020 celebrated Solarwali" 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.
- Electrical Engineering Department & IEI Students' Chapter have jointly organized an event related to Smart Campus Drive called 'NAVYUVA' on 05th November 2020. 109 students from various colleges participated in the event, which was conducted in three rounds viz., Hunky Brains, Agent Hercules and Meet your makers.
- Department of Electrical Engineering Students members and Professional members actively involved in IEEE Bombay Section and region 10 through IEEE-DKTE Student Branch.
- Student Chapters allow members to mature to their Professional Status more rapidly by providing support to supplement education programs and helping students develop professional autonomy. Due to Corona pandemic, online interviews were conducted for students to various posts of IE(I) Student Chapter for the academic year 2020-21.'TY electrical' students completed 'technical skill development internship' in month of June.
- More than 20 Students Completed online platform courses from Swayam, Coursera, EDX and others .Many of the students Attended various webinar conducted by IEEE,IE(I), ISGF, Skill share and other forums.

(Civil)

- Activities Conducted Under CESA:-
1. "Teachers' Day" program virtually on 05/09/2020.
2. Technical webinar on the topic "3D Printing for Civil Engineering" on Wednesday 04/11/2020
3. Online competition "AARAMBH" under the coordination of Civil Engineering Student

Association (CESA)
4. Online discussion forum on GATE-2021 of Civil Engineering Department of DKTE
•   IEI STUDENTS' CHAPTER
1. Tech-talk Webinar on The Topic "Latest Trend in Concrete Technology"
2. Technical Webinar on the topic – 'Concrete material science: Past, present and future innovations and technology'
3. Technical Webinar on the topic, "Need of Construction Chemicals in today's scenario"
4. A Technical Webinar on occasion of Engineers Day Celebration Topic-Engineers for a Self-Reliant India
•   Tech-symposium 2K20
DKTE organized National Level Technical Event "Techsymposium 2k20" on 29th February 2020. Large number students from various colleges participated in Techsymposium 2k20. The events organized by Civil Engineering Department were CAD MASTER and IGNITE Paper Presentation. For CAD MASTER and IGNITE Paper Presentation number of participants were 164 and 20 respectively.

5.4 Alumni Engagement
5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):YES
D. K. T. E. Alumni Association, a well knit family comprising of over 15500 renowned alumni from Textiles, Mechanical, Electronics, Electronics & Telecommunication, Computer Science & Engineering and Information Technology & Management Studies streams. In a span of 38 years it is indeed stupendous achievement that we DKTEians have created a niche for ourselves. D. K. T. E. Society's Textile and Engineering Institute has produced distinguished technocrats, successful entrepreneurs and competent managers who are connoisseur in their respective fields. The Alumni Association started working informally since 1989 to bring all fellow alumni on a single platform and serve as a forum to promote and foster good relationship among alumni, present students, management and faculty. Now, this association is officially registered with the Charity Commissioner's Office, Kolhapur on 06/01/2009. The registration number is F/25027/Kolhapur. Informally, the members have been organizing different meetings and get together at various places like Mumbai, Bangalore, Vapi, Delhi, Coimbatore etc. apart from the regular get together on 26 Jan. every year at our Institute.
5.4.2 No. of registered Alumni:
15825 till 2021
5.4.3 Alumni contribution during the year (in Rupees) **:**
Rs. 3,17,700/- in 2020-2021 as membership fee 2 LCD Projectors donated to Electronics departments classroom sum of Rs. 1,50,000/-
5.3.4 Meetings/activities organized by Alumni Association **:**
2 Meetings & 1 Alumni Virtual Get-together common and department wise in 2020-2021

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, 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 HoD's 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.

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

YES, **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. Academicians, Industrialists, Student and Parent. Faculty members meets on frequent basis for revising the curriculum. Based on stakeholders' feedback, curriculum contents are updated and modified.

Every Semester, each department conducts Board of Studies Committee Meeting in which the course structure and syllabus is discussed which is prepared by having valuable inputs by the industry experts and academic experts. The experts of the BoS every time give their expert advice and add their points and thus the structure and the syllabus is finalised. BoS consists of chairman, experts from academics as well as industry, experienced faculty and student representatives. Based on the industry requirement and the suggestions from all the members the final curriculum is made.

❖ 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.
- Institute has started open elective course based on Industry Certification program. The Course Material is made available by industry and examination is also conducted through Portal managed by the industry

❖ 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

The 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.

Separate department library including books, datasheets, project reports is available for students apart from central library.

NPTEL Server installed to access all the NPTEL courses in the institute

❖ 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 and 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 artequipments and instruments to the institute. The faculties are deputed for Industrial trainings in India and abroad on their subject areas.

Also, few industries sponsored open electives and courses are included in syllabus.	

❖ 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. Organising awareness programmes about DKTE's engineering programmes at Bhiwandi, Tirupur, Salem, Karur, Solapur, Malegaon, Burhanpur, etc by faculties
5. The students from nearby junior colleges are invited for the exhibition in order to create the awareness about engineering education.

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

❖ Planning and Development
❖ Administration
❖ Finance and Accounts
❖ Student Admission and Support
❖ Examination: Institute has setup server infrastructure for conducting online examination and evaluation process

---

6.3 Faculty Empowerment Strategies

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

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2021	Dr. M. B. Chougule	IonIdea ICTIEE 2021 workshop on Outcome Based Education Platform	Ion Idea Engage Excellence	Rs. 1000/-

---

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 organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2020-21	Entrepreneurship Development	--	15/07/2020	100	--
	Past, Present and Future of Automotive Design and Career Opportunities for Young Enthusiasts in Automotive Field	--	16/07/2020	24	--
	"Intellectual Property"	--	25/07/2020	24	--
	Online Short Term	--	24/08/2020-	135	--

	Training Programme STTP on "Recent trends in Cutting Tool Technology and Force Measurement using Matlab"		29/08/2020		
	How to Prepare for Mechanical Engineering Technical Competitive Exams	--	25/07/2020	15	--
2020-21	3D Printing	--	3 Days	7	--
2020-21	AICTE Sponsored STTP on AI-ML- 3 phases	--	14 to 19/06/2021	40	--
2020-21	AICTE Sponsored STTP on AI-ML- 3 phases	--	7 to 12/04/2021	40	--
2020-21	AICTE Sponsored STTP on AI-ML- 3 phases	--	19 to 24/12/2020	40	--
2020-21	IIC webinars (2 webinars)	--	26/02/2021 & 30/06/2021	50	--
2020-21	AI, ML, and Deep Learning	--	21 to 26/06/2020	10	--

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year		
Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Inculcating Universal Human Values in Technical Education	01	9/08/2021 to 13/08/2021
Advanced Materials and Additive Manufacturing Systems for Industry 4.0"	01	25/10/2021 to 29/10/2021
Advanced Materials for future sciance	01	6/09/2021 to 13/09/2021
Basic FDP on AICTE-IDEA Lab	01	26/07/2021 to 30/07/2021
3D printing and Design (ATAL FDP)	01	20/09/2021 to 24/09/2021
Advancement in Material Processing Technologies (ATAL FDP)	01	9/08/2021 to 13/08/2021
Advanced Research Methodology	01	26/07/2021 to 30/07/2021
Casting Design and Simulation	01	10/11/2021 to 12/11/2021

Advanced Manufacturing Technology	01	13/09/2021 to 18/09/2021
Additive Manufacturing Processes and Its Application	01	23/08/21 to 28/08/21
Advanced Research Methodology	01	26/07/2021 to 30/07/2021
Innovations In Techno-Management And Strategic Case Based Teaching Learning	01	06/08/2021 to 08/08/2021
Optimization technique for research	01	23/08/21 to 28/08/21
Outcome based Teaching, Evaluation and Evaluation	02	2/08/2021 to 4/08/2021
Advances in Mechanical Engineering for Sustainability		27/05/2021 to 30/05/2021
Recent Trends in Mechanical engineering	03	26/09/2021 to 2/10/2021
"E- Procurement and E-Tendering in Public Procurement: Complexities and Govt. Provision for MII and MSMEs"	01	28/10/2021 to 29/10/2021
Workshop on "Restructuring of Ph.D.(Mechanical Engineering) Course Work Syllabus"	01	01/10/2021
Organized "Ask Me Anything about Startup in India" with Mr. Atulya Joshi	01	6/10/2021
Workshop on "Patent Drafting for Beginners and Art of writing Research paper"	01	2/04/2021 to 3/04/2021
1 Week Int. Virtual Workshop on Research Paradigms	01	3/05/2021 to 8/05/2021
5 Days Digital workshop on 3Ts Teaching Through Technology	01	29/06/2021 to 3/07/2021
Fundamentals of Conventional Machining	01	27/05/2021 to 31/05/2021
Advances in Mechanical Engineering for Sustainability	01	27/05/2021 to 31/05/2021
Final Year B. Tech (CBCS Pattern) Mech. Engg (Thermal /Power Group) & Production Engg syllabus setting	01	12/06/2021
Third Year B. Tech (CBCS Pattern) Mechanical Engg syllabus setting	01	27/05/2021
Smart Manufacturing: Connected Factories	01	17/06/2021
AICTE AQIS's STTP on "Advances in Additive Mfg"	01	20/07/2020 to 25/07/2020
Online FDP on "Additive Manufacturing" by AICTE Training And Learning (ATAL) Academy	01	9/11/2020 to 13/11/2020
Online STTP on "Noise And Vibration Control Of Industrial Rotary Machines"	01	15/03/2021 to 20/03/2021
AICTE AQIS sponsored Short Term Training Program on Advances in Additive Manufacturing	01	20/07/2020 to 25/7/2020

Assembly Line Automation and Machine Building	01	14/12/2020 to 19/12/2020
"Recent Advances in Micro Electro Mechanical Systems, Mechatronics and Their Applications for Future Challenges"	01	07/12/2020 to 12/12/2020
Advanced Measurement Techniques	01	07/12/2020 to 12/12/2020
Recent trends in cutting tool technology and force measurement using MATLAB	05	24/08/2020 to 29/08/2020
Recent Advances in Industrial Automation and Robotics	01	14/12/2020 to 19/12/2020
Artificial Intelligence and Machine Learning	01	19/12/2020 to 24/12/2020
Gatewayto Innovation	01	22/06/2020 to 06/06/2020
Sustainable Environment, Issues and Challenges: A Ray of Hope Post COVID-19	01	04/06/2020 to 06/06/2020
In IonIdea sponsored ICTIEE 2021 Workshop on Outcome Based Education Platform	01	08/06/2021 to 10/06/2021
One-week International Virtual workshop (Spectrum 2021) on research paradigms	01	3/05/2021 to 08/05/ 2021
Three Days International Faculty Development Program on " Innovation, Intelligence And Intellectual Property Rights (IPR)	01	09/06/2021 to 11/06/2021.
One Day International FDP on "Evolution of construction industry to address infrastructure challenge"	01	23/06/2021
Three Day International Level E-Workshop "Landscapes in Research, Language and Literature"	01	01/07/2021to 03/07/2021
Earthquake resistant design of buildings: Provisions of IS-1893 -Part1-2016	01	02/06/2020
Innovations in Green Building and Sustainable Developments	01	04/06/2020 to 06/06/2020
Environmental Sustainability: Combating Air, Water and Noise Pollution	01	05/06/2020
Climate crisis and its effect on biodiversity	01	05/06/2020
Advanced research methodology and innovative teaching pedagogy	01	08/06/2020 to 13/06/2020
Applications of Ferro cement Technology	01	11/06/2020
IUCEE Annual Leadership Summit	01	10/06/2020 to 12/06/2020
Different approaches to solve urban & rural level water problems	01	12/06/2020
Soft Skill Development	01	13/06/2020 to 15/06/2020
Advances in Civil and Structural Engineering (ACSE - 2020)	01	15/06/2020 to 19/06/2020

Pollution Control and Waste Management	01	19/06/2020 to 20/06/2020
Asce Infrastructure Report Card	01	25/06/2020
Using geo information Technology for COVID-19: City level vulnerability assessment and strategy formulation	01	28/06/2020
Satellite Photogrammetry and its application	01	29/06/2020 to 03/07/2020
Intellectual Property Rights (IPR)	01	01/07/2020
Understanding Startups	01	04/07/2020
Introduction to offshore structures – Concept, design, fabrication and installation	01	11/07/2020
Sustainability Aspects and Recent Trends in Civil Engineering-The Future Scenario	01	14/07/2020 to 18/07/2020
IT Skills for Smart Teaching	01	17/07/2020 to 21/07/2020
Nearly Zero Energy Building nZEB	01	10/08/2020 to 14/08/2020
online faculty development Programme on 'Nearly Zero Energy Building (nZEB)'	01	10/08/2020to 14/08/2020
Sustainability Engineering	01	17/08/2020 to 21/08/2020
Raising the research visibility of your institute	01	05/09/2020
Outcomes-Based Education	01	04/09/2020 to 06/09/2020
Recent Advances in Earthquake and Environmental Engineering RAEEE-2020	01	07/09/2020 to 09/09/2020
Causes of structural failures and good practices to prevent catastrophic failures	01	18/09/2020
AICTE Training and Learning (ATAL) Academy Online FDP on "Infrastructure Engineering	01	21/09/2020- 25/09/2020
Recent Advancements in Civil Engineering	01	21/09/2020 to 25/09/2020
Sustainable Environmental Engineering Practices (SEEP 2020)	01	21/09/2020 to 25/09/2020
online workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education	01	21/09/2020 to 25/09/ 2020
Transportation Engg Experts from Globe Trek Engg Corp, Mumbai - Mr. Rohan Chiplunkar & others 3	04	28/09/2020
One Day Online National Level Workshop on "How to Plan a Research" Conducted	01	3/10/2020
Inculcating Universal Human Values in Technical Education	01	05/10/2020 to 09/10/2020
AICTE Training and Learning (ATAL) Academy Online FDP on "Green Technology and Sustainability Engineering"	01	05/10/2020 to 09/10/2020
Man and Nature Concern	01	06/10/2020

Recent Advances in Science and Technology	01	06/10/2020
Inculcating Universal Human Values in Technical Education	01	05/10/2020 to 09/10/2020
	01	
Outcome Based Education	01	06/10/2020 to 08/10/2020
Emerging construction system for mass housing	01	24/10/2020
Advances in Construction and Project Management	01	26/10/2020 to 31/10/2020
Recent Trends in Water Resources and Environmental Engineering	01	30/10/2020 to 31/10/2020
One Week Online Short-Term Training Program (STTP), Phase-I on "Repair and Rehabilitation of Structures "	01	16 to 21/11/2020
Online STTP on "Pedagogy for effective use of ICT in Engineering Education	01	23/11/2020 to 28/11/2020
"Digital instruments in the measurement of water & waste water quality parameters" by Soham Instruments, Kolhapur.	06	02/12/2020
Concrete Technology. Experts from 'Global Instruments' Nashik	04	04/12/2020
Geotechnical Engineering. Experts from Global Instruments Limited, Nashik	04	04/12/2020
Masonry Construction Types and its Seismic Performance		05/12/2020
Determination of Nitrogen and Protein contents in chemical substance using K.D. method by 'Borosil Limited', Mumbai.	06	15/12/2020
Workshop on L2pro (IP E Learning Platform)	01	20/04/2021
Sustainable pavement option – concrete pavement	01	23/04/2021
Valuation of Land and Building/Real Estate	01	05/06/2021 to 06/06/2021
Composting in solid waste management	01	08/05/2021
Durability of concrete and its evaluation	01	08/05/2021
Consultancy in Civil Engineering: Opportunities and Challenges	01	10 to 14/05/2021
Geo-informatics Applications in Water Resources	01	12/05/2021
Civil Engineering Career Opportunities in Technology and Learning Platforms under "JAL JEEVAN MISSION	01	15/05/2021
Introduction To Building Information Modelling	01	22/05/2021
Concrete Cracking	01	28/05/2021
OBE Concepts & Implementation and Digital Preparedness for NBA	01	29/05/2021
Introduction to HEC-RAS Software	01	31/05/2021
Valuation of Land and Building from Bankers Perspective with Case Studies	01	09/06/2021
Course and Instruction Design for Effective Outcome Based Education	01	10/06/2021 to 12/06/2021
Implementation of NEP-2020 in HEI's	01	16/06/2021

Training on Digital interfacing with Torsion testing m/c and Brinell /Rockwell hardness testing m/c by Aitawade industries	01	28/09/2021
Concrete Technology and Sustainable construction Practices	01	21/09/2021 to 25/09/2021
Outcome Based Education and Accreditation	01	27/11/2021
Valuation of Land and Building from Bankers Perspective with Case Studies	01	09/06/2021
Course & Instruction Design for Effective Outcome Based Education	01	10/06/2021to 12/06/2021
Implementation of NEP-2020 in HEI's	01	16/06/2021
Concrete Technology and Sustainable construction Practices	01	21/09/2021 to 25/09/2021
Outcome Based Education and Accreditation	01	27/11/2021
AICTE Training and Learning (ATAL) Academy Online FDP on "Infrastructure Engineering"	01	21/9/2021to 25/8/2021
Pedagogical techniques in Electronics and Electrical Engineering	5	10 to 14/08/2020
Machine Learning: Algorithms and Applications in Data Science	1	02 to 07/11/2020
Beginner's Trading Certification"	1	15/6/2020 to 15/7/2020
Block chain	2	31/8/2020 to 04/9/2020
Programming Foundations with JavaScript, HTML and CSS	1	10/9/2020 to 25/09/2020
UNIVERSAL HUMAN UES	1	21/9/2020 to 25/09/2020
Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education	1	1/6/2020 to 5/6/2020
Design of Analog Layout & Opportunities and Challenges in Semiconductor Domain	1	1/6/2020 to 4/6/2020
MATLAB for ALL	2	4/6/2020 to 8/6/2020
Deep Learning and AI	3	24/5/2020 to 15/06/2020
Pedagogical techniques in Electronics and Electrical Engineering	5	10 to 14/08/2020
Effective Use of ICT Tools in Online Teaching	1	22/6/2020 to 4/7/2020
A one-week Short Term Training Program (STTP) on "Business Intelligence ",	7	14 to 19/12/2020.
Quality and Excellence Issues in Higher and Technical Education	21	06/11/2020
Webinar series on Advanced Technologies	21	19 to 24/10/2020

Artificial Intelligence and Machine Learning Applications in Biomedical Engineering	01	21/09/2020 to 25/09/2020
EduSkills Training Program for CCNA Certification	02	20/01/2021 to 5/2/2021
EduSkills Training Program for AWS Cloud Foundation Certification	02	8/2/2021 to 13/02/2021
Cyber security Foundation, Gateway & Essential Train the Trainer Course of Palo Alto Cyber security by EduSkills	02	11/01/2021 to 15/01/2021
Cyber Ops Associate Training by EduSkills	01	23/03/2021 to 5/4/2021
AICTE Sponsored STTP on AI-ML, 3rd phase	09	14 to 19/06/2021
AICTE Sponsored STTP on AI-ML, 2nd phase	09	07 to 12/04/2021
AICTE Sponsored STTP on AI-ML, 1st phase	09	19 to 24/12/2020
Recent trends in Wireless communication Technology	01	27 to 29/05/2021
Exploring Ideas to scalable Product design Skills(ATAL FDP)	01	21 to 25/06/2021
Artificial Intelligence in Telecommunication	01	28 to 30/06/2021
Webinar series on "Implementation of National Education Policy-[NEP] 2020"	01	28 to 30/04/2021
ATAL FDP on "Machine Learning and Computer Vision"	01	21 to 25/06/2021
Internship Program on Machine Learning using Python	01	19/04/2021 to 10/05/2021
AICTE sponsored FDP on System on Chip Design- Basics to Development of Chips	01	07 to 19/12/2020
FDP on Advanced Research Methodology and Innovative Teaching Pedagogy, by IEI and ISTE	1	08/06/200 to 13/06/2020
FDP on Advance Research Methodology and Innovative Teaching Pedagogy, TGP College of Engg and Tech, Nagpur.	5	08/06/2020 to 13/06/2020
Knowledge Generation During Covid - 19 Pandemic - Qualitative Research, Bombay Teachers' HSNC University, Mumbai	1	01/06/2020 to 06/06/2020
Online short-term course on Digital Marketing, Globsyn Business School	2	02/06/2020 to 10/06/2020
Online short-term course, Product and Brand Management, Globsyn Business School	2	12/06/2020 to 19/06/2020
Workshop on Implementation of National Education Policy-2020, Govt. College of Engineering, Karad	1	28/04/2021 to 30/04/2021
One-week virtual workshop on Research Paradigms, St. Francis College, Koramanagala, Bangaluru, Karnetaka	1	03/05/2021 to 08/05/2021

STTP on Data Analytics in Business, Srinivas Institute of Technology, Mangaluru, Karnataka	1	03/05/2021 to 08/05/2021
FDP on Inculcating Universal Human Values in Technical Education, BY AICTE	1	23/07/2020 to 27/07/2021
FDP on Contemporary issues, assessment, collaboration, research & publication, Swami Shukdevan & PG college, Shahjahanpur UP	1	15/06/2020 to 21/06/2020
FDP on Unlock India- A management Perspective, JSPM, Pune	1	06/06/2020 to 08/06/2020
Online course on Performance Management and Competency Mapping, Globsyn Business School	1	10/06/2020 to 18/06/2020
Webinar on Online Teaching Learning and online assessment demo, Inpods	3	05/06/2020
FDP webinar on Outcome Based Education Software, Vmedulife software services	1	04/06/2020
Webinar on Simulation Driven Innovation for e mobility, Altair and KLE Technological University	1	20/06/2020
Online session on IKIGAI for start-ups, DKTE's TEI and OPEX	9	28/07/2020

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

Teaching		Non-teaching	
Permanent- 203	Fulltime-203	Permanent-204	Fulltime-204

6.3.5 Welfare schemes for

Teaching	COVID-19 INSURANCE POLICY
Non-teaching	COVID-19 INSURANCE POLICY
Students	-

6.4 Financial Management and Resource Mobilization

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

An audit examines financial records and transactions to verify they are accurate. audits look at financial statements and accounting books to compare information.

Internal audits take place within institute. As the owner, institute initiate the audit while someone else in account section conducts it. Internal audit is conducted for

- Propose improvements
- Monitor effectiveness
- Make sure your institute is compliant with laws and regulations
- Review and verify financial information
- Evaluate risk management policies and procedures
- Examine operation processes

An external audit is conducted by a third party, such as an accountant, the IRS, or a tax agency. The external auditor has no connection to institute. external auditors must follow generally accepted auditing standards (GAAS).the main objective of an external audit is to determine the

accuracy of accounting records. The auditor analyzes the fairness and accuracy of institute's financial statements. Auditors review transactions, procedures, and balances to conduct a financial audit.

External Audit is done by: Chartered Accountant S. R. Shaha & company. Proprietor M No. 013159

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
Total corpus fund generated: Rs. 84,840/-		

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.
- Awareness about institution progress like MOU's, new lab setup, faculty developments etc is informed to parents.
- 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.
- A 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 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.
- Many new courses are added, some of which are audit courses.
- 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
2020-21	**NIL**	---	---	---

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**
Blood Donation Camp	09/08/2021	42	73
Donation to the SHAHID FAMILY (In Terms of money)	15/08/2021	38	46

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

- **Sustaining green performance:**
  o Plantation and tree nurturing trees at Mouje Sangaon Village
  o Curriculum included with Environmental studies
  o Rain water harvesting system
  o Solar Water heating system
  o Observation of environmental nature awareness days and events
  o Architectural design for natural ventilation
  o Procurement of energy efficient devices
  o Generators with noise guards
  o Display board to aware to avoid wastage of food and water
  o Use of minimum prints with utilization both sides of paper
  o Turning off monitors after the work
  o Declaration of No smoking zones in the Institute.
  o Disposal of solid and E waste through transfer to authorized agencies.

- **Green spaces in the campus and their maintenance:**
  Institute has substantial allocation of space for green cover layout resulting in good canopy. The Institute has garden supervisors, gardeners and a comprehensive set of garden equipment. Campus has landscaping with green grass, ornamental plants, and shady trees. Trimmed away branches, dried leaves are used to mulch the soil and to avoid evaporation after watering.

  Names of plants and trees are displayed as a symbolic to get about local identification of the species nurturing value in the mind of passerby.

  Trees and plants are of immense importance as they maintain aesthetics and have potential to make ambience living. They have important part in our well being. A garden might serve as a tranquil retreat in everyday life.

Photo 2: Informative boards displaying tree species and local name nurturing value in the mind of passerby

2.1 Common trees in campus :

Varieties of trees occurring in surrounding area of the Institute are as follow. There are big old trees in various places in campus which are maintained considering their ecological services. Some of the common tree species in campus are as follow.

Sr. No.	Common name	Scientific name	Importance
1	Ashok	*Saraca indica*	Controls sound by green belt development
2	Saptaparni	*Alstoniascholaris*	Suitable for avenue and park planting.
3	Neem (Kadunimb)	*Azadirachta indica*	The branches are wide and spreading forming crown
4	Almond (Badam)	*Terminalia catappa*	Large leaves, deep shade
5	Eucalyptus (Nilgiri)	*Eucalyptus grandis*	Fast growing evergreen tree
6	Aapta (Apta)	*Bauhinia racemosa*	Religious value
7	Tamrind (Chinch)	*Terminilia indica*	Deep shade giving
8	Jackfruit (Phanashi)	*Artocarpus integra*	Important fruit plant
9	Palash (Palas)	*Bute mnosperma*	Important ecological services
10	Banyan (Vad)	*Ficus benghalensis*	Important ecological services
11	Pimpal	*Ficus relegiosa*	Ecologically important native to India
12	Bore	*Zizipusmauritiana*	Drought resistant

Table 1-Common trees in the campus

These and other species of flowering plants occur in the campus enhancing scenic view.

Other flora contributing beauty as well as lush greenery in the campus constitutes ornamental plants which add beauty and aesthetics.

Ornamental plants: Thuja from Cypress family, species of palm, Golden Durand are common.

Photo 3: Shade giving canopy formed by tall trees in the campus

Photo 4: Aesthetic view of central garden

Present Energy Consumption And Conservation Measures:

Present need of monthly electricity is 315 Kw. approx. Utility of electricity is for operating laboratory and workshop machines, process units, computers, lighting, cooling system in few rooms, running fans and exhausts etc.

Use of energy efficient devices is made by Institute.

Classrooms are provided with broad windows for natural lighting and ventilation thereby reducing power consumption.

Instruction to avoid misuse of electricity is displayed near to switch boards.

Solar water heating is provided for hostel for hot water provision

Photo 5 and 6: Ordinary fluorescent lamps are replaced by CFL in passages

Photo 7- Solar water plant on roof for hot water requirement

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

S.N.	NAME OF THE EVENT	DAY	DATE
01	Meeting of Office holders for planning the activities	Monday	01/06/2020
02	World Environment Day	Friday	05/06/2020
03	International Day of Yoga	Sunday	21/06/2020
04	Meeting with Local Volunteers	Friday	03/07/2020
05	Guru Pournima &Veer Smaran	Sunday	05/07/2020
06	Kargil Vijay Din	Sunday	26/07/2020
07	Lokmanya Tilak Punya Tithi	Saturday	01/08/2020
08	Swach Bharat Abhiyan Pakhwada	Saturday to Saturday	01 to 15/08/2020
09	Kranti Din	Sunday	09/08/2020

10	Independence Day	Saturday	15/08/2020
11	Ganesh Festival Programme	Saturday to Wednesday	15 to 26/08/2020
12	Meeting with Limited Students	Monday	17/08/2020
13	Teacher's Day	Saturday	05/09/2020
14	International Literacy Day	Tuesday	08/09/2020
15	Engineers Day	Tuesday	15/09/2020
16	International Peace Day	Monday	21/09/2020
17	N S S Day	Thursday	24/09/2020
18	Communal Harmony Day & International Nonviolence Day	Friday	02/10/2020
19	UNO Day	Saturday	24/10/2020
20	National Integration Day	Thursday	19/11/2020
21	National Youth Day	Tuesday	12/01/2021
22	Celebration Of Shiv Jayanti	Friday	19/02/2021
23	Women Day	Monday	08/03/2021

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_ExamConduction_New
Controller of Examinations (CoE) Office (Faculty)	Winter 2016	Instructions to Jr 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.	21 to 26/06/2021	50

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 students 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. **Conduct of Workshops/Seminars/Webinars/Guest Lectures :**
   To establish practical knowledge in the field of civil engineering we have organized various workshops and seminars by eminent resource persons from inter and intra departments. Students get to see the insight and perspective of the guest speaker's particular field.

2. **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.

3. **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.

4. **Pre-placement 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.

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

Electrical Dept.:

1. **Industrial Visits:**
   Organisation of Field / Industrial Visits Field visits to industry are organized to give a practical exposure to the students. The department has conducted few industrial visits to Electrical Equipment Manufacturing companies. Students have the opportunity to see new things and learn about them in a more unstructured way.

2. **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.

3. **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.

4. **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.

5. **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. Mandatory industrial training of minimum 15 days to all the students after fifth semester at various industries.
2. Power Plant Engineering subject is introduced to accommodate needs of Thermax PVT. LTD. Automotive Fabrication (BIW) subject is introduced to meet needs of TTL PVT. LTD. Specific need and skill based courses introduced in the syllabus to make syllabus industry linked and technologically relevant.

ETC Dept.
1. **Extracurricular activities:**
   Conduct of Extracurricular and technical activities Students' committees are formed for conduct of various Celebration of important days such as Engineers Day and Teachers Day etc. Regular technical activities for the students conducted through the student chapter of ETC Engineering Department
2. **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.
3. **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.
1. Department of Management Studies has the best practice of providing Business Standard newspaper to all the students every day.
2. 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".
3. Industry Interaction to cope-up the syllabus with industrial requirements, members from Industry are included on Board of studies BOS MBA.

4. Memorandum of understanding (MoU's) with industries is signed to boost the industrial working culture in students.

CIVIL Dept.
1. Conduct of Workshops/Seminars/Webinars/Guest Lectures To establish practical knowledge in the field of civil engineering we have organized various workshops and seminars by eminent resource persons from inter and intra departments. Students get to see the insight and perspective of the guest speaker's particular field.
2. Activities by students for environment protection Activities like tree plantation, Awareness programmes, Swachata programs are organised for the protection of environment.
3. Organisation of Field / Industrial Visits Field visits to industry are organized to give a practical exposure to the students. The department has conducted few field visits to construction sites of various civil engineering structures. Students have the opportunity to see new things and learn about them in a more unstructured way.
4. Wall Magazine "Civil Horizon" Students can exhibit their art as Paintings, Photographs, Technical Snaps, Matters etc. in a separate wall magazine "Civil Horizon" (Notice Board)
5. Students Internships at working sites Students are sent to actual construction sites for experience. During an internship, students work on real projects, get acquainted with the current market trends, sharpen their technical skills, and learn in-demand technical skills. The value of the internship really shines through when given the opportunity to work in the field and experience what the job is really like.
6. Academic activities for Students Use of ICT facilities in the class room for the students. Introduction of the online attendance of students for its visibility to students and their parents. Use of ICT facilities in the class room for the students.
7. Conduct of Extracurricular and technical activities Students' committees are formed for conduct of various Celebration of important days such as Engineers Day and Teachers Day etc. Regular technical activities for the students conducted through the student chapter of Civil Engineering Department (CESA- Civil Engineering Students Association).
8. Interaction with professional bodies Interaction with professional bodies through The Institution of Engineers (India) Students Chapter in the department. Technical events are conducted through the collaboration with professional bodies.
9. Industry Interaction To cope up the syllabus with industrial requirements, members from Industry are included on Board of studies BOS of Civil Engineering. Memorandum of understanding (MoU's) with industries are signed to boost the industrial working culture in students.
10. Outcome Based Education Introduction of the outcome-based education is made in teaching learning process. Process defined for attainment measurement of the Programme outcome using direct and indirect tools.

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

- DKTE is committed to usher in socio - economic transformation by providing inclusive innovative quality education of global standards to fully meet the expectations of the stake holders as initiated by the founding fathers.
- Enrich library and provide latest teaching learning process to promote effective teaching, learning. To provide holistic value based education and inculcate entrepreunal abilities so that the students are well groomed in knowledge, skills and values to have the ability to face the challenges of the corporate world and life.
- Institute provided holistic education to develop skills, knowledge and values through well structured curriculum and instructions.
- Institute has provided career development services to students with respect to higher Education, opportunities for growth.
- Institute provided students prerequisite training for building and developing competencies for the placement under special TP cell.
- A National Technical Symposium organized by the institute for every year is intended to give students a stepping-stone for entering into the engineering industry.
- 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 equipment 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.
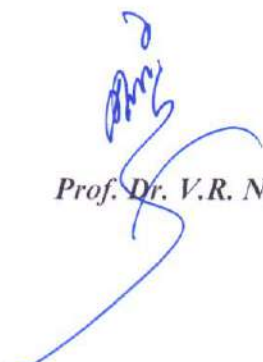
- At the same time students from different programs participate in the project design contests floated by the different leading industries addressing to different socio economical issues. After getting selected in these design contests students have got even placements in the reputed companies on the 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 emphasise on offering students different options under open elective, Elective & Professional electives, in various disciplines. Also with the provision of offering Honors degree in various disciplines, focus will be to encourage more students to opt for this option. Students will be encouraged to undergo training at different industrial organizations and foreign university/ research centres. Also students will be encouraged to undergo, more industry oriented certifications like RedHat, Swift Certification Apple certification and other relevant certifications.

It has been planned to explore, utilisation of IDEA Lab incepted under funding from AICTE, New Delhi, for the innovation, creativity enhancement of the students. Facilitate students with new lab equipment and resources which will enable them to get practical skills with state of art technology and motivate students to participate in various project contests and acquire better technical competence.

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

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

_____

Signature of the Chairman, IQAC.

_____

Signature of Director of the Institute.

((((((***)))))

Annexure-I

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
TT	15/06/2018	IELOE1: Production Planning and Control	1/02/2021
TT	15/06/2018	ELLOE1: PLC & SCADA (Open Elective)	1/02/2021
TT	15/06/2018	ITLOE1: Enterprise Resource Planning And E-Commerce (Open Elective)	1/02/2021
TT	15/06/2018	MBLOE1: Costing (Open Elective)	1/02/2021
TT	15/06/2018	TTL315: Uster Technology	1/2/2021
TT	15/06/2018	TTD321:Internship – I & Internship – II	13/07/2020
TT	15/06/2018	Textile Mill Planning And Organisation	13/07/2020
TT	15/06/2018	Project Phase – I & Project Phase - II	13/07/2020
TM	15/06/2018	IELOE1: Production Planning and Control	1/02/2021
TM	15/06/2018	ELLOE1: PLC & SCADA (Open Elective)	1/02/2021
TM	15/06/2018	MBLOE1: Costing (Open Elective)	1/02/2021
TM	15/06/2018	TMD320: Internship – I & Internship -II	13/07/2020
TM	15/06/2018	Project Phase – I & Project Phase - II	13/07/2020
TP	15/06/2018	ELLOE1: PLC & SCADA (Open Elective)	1/02/2021
TP	15/06/2018	IELOE1:Production Planning and Control	1/02/2021
TP	15/06/2018	MBLOE1: Costing (Open Elective)	1/02/2021
TP	15/06/2018	TPD320: Internship – I & Internship -II	13/07/2020
TP	15/06/2018	Project Phase – I & Project Phase - II	13/07/2020
TC	15/6/2018	IELOE1:Production Planning and Control	1/02/2021
TC	15/6/2018	ELLOE1: PLC & SCADA (Open Elective)	1/02/2021
TC	15/6/2018	ITLOE1: Enterprise Resource Planning And E-Commerce (Open Elective)	1/02/2021
TC	15/6/2018	MBLOE1: Costing (Open Elective)	1/02/2021
TC	15/06/2018	TCD321: Internship – I & Internship -II	13/07/2020
TC	15/06/2018	Project Phase – I & Project Phase - II	13/07/2020
TC	15/06/2018	Textile Process Planning And Management	13/07/2020
TF	15/06/2018	IELOE1:Production Planning and Control	13/07/2020
TF	15/06/2018	ITLOE1: Enterprise Resource Planning And E-Commerce (Open Elective)	1/02/2021
TF	15/06/2018	MBLOE1: Costing (Open Elective)	1/02/2021
TF	15/06/2018	FTD321: Internship – I & Internship -II	13/07/2020
TF	15/06/2018	Project Phase – I & Project Phase - II	13/07/2020
TT/TM/TP/TC/TF	15/06/2018	ATL302: Computer Operating Skill	1/02/2021
ET	15/06/2018	Operating Systems (ETL245)	13/07/2020
ET	15/06/2018	Python Programming Lab (ETP348)	13/07/2020
ET	15/06/2018	Database Engineering (ETL352)	13/07/2020
ET	15/06/2018	Database Engineering Lab (ETP356)	13/07/2020
ET	15/06/2018	Java Programming Lab (ETP358)	13/07/2020
ET	15/06/2018	Cloud Computing Lab (ETP458)	13/07/2020
ET	15/06/2018	IOT Honour Course	13/07/2020

ET	15/06/2018	Entrepreneurship Development (ETI311)	13/07/2020
Electronics Engg -ELL	13/7/2020	Automation and Process Control ELL701	13/7/2020
Electronics Engg -ELL	13/7/2020	Architecture of Industrial Automation Systems ELL702	13/7/2020
Electronics Engg -ELL	13/7/2020	Architecture of Industrial Automation Systems Lab ELL703	13/7/2020
Electronics Engg -ELL	13/7/2020	Industrial Robotics Mechanics and control ELL704	13/7/2020
Electronics Engg -ELL	13/7/2020	Control Logix Controller ELL705	13/7/2020
Electronics Engg -ELL	13/7/2020	Siemens TIA Portal Step 7 WinCC PLC HMI ELL706	13/7/2020
Electronics Engg -ELL	13/7/2020	Control Logix Controller Lab ELL707	13/7/2020
Electronics Engg -ELL	15/06/2018	Mini Project-III Lab(Arduino Based) ELD-309	13/7/2020
Electronics Engg -ELL	15/06/2018	Mini Project-IV Lab (Raspberry piBased) ELD-319	13/7/2020
Electronics Engg -ELL	15/06/2018	Renewable Energy Sources (Mandatory Audit)ELI310	13/7/2020
Electronics Engg -ELL	13/07/2020	Automation and Process Control ELL701	13/7/2020
Electronics Engg -ELL	20/6/2019	Automation and PLC Programming ELL404	13/7/2020
Electronics Engg -ELL	20/6/2019	Internet Of Thing (IOT) ELL405	13/7/2020
Electronics Engg -ELL	1/1/2020	Digital Marketing ELL422	13/7/2020
Electronics Engg -ELL	20/6/2019	PLC based Industrial Applications ELL416	13/7/2020
Electronics Engg -ELL	20/6/2019	Embedded Based Application ELL417	13/7/2020
Electronics Engg -ELL	15/06/2018	Technical Textiles (TMLOE1)	13/7/2020
Electronics Engg -ELL	15/06/2018	Introduction to JAVA Programming (CSLOE2)	13/7/2020
Electronics Engg -ELL	15/06/2018	Fundamentals of Mechatronics (MELOE1)	13/7/2020
Mechanical Engg. ME	15/06/2018	Entrepreneurship & Development (MEL313)	13/7/2020
Civil Engg CE	17/06/2019	CEP210_Programming and Computational Methods Lab	13/07/2020
Civil Engg CE	17/06/2019	CEP221_Computer Aided Drawing Lab	13/07/2020

Annexure-II

Title of field Projects	No. of students enrolled
TT	
Effect of Dyeing on Properties of Polyester/Viscose Blended yarns	5
Investigation of Rotor yarn Properties manufactured with different draw frame passages.	4
A study on shirting fabric produced from excel And polyester yarns	4
Studies on properties of polyester/wool blend fabric	4
Effect of Material and pick density on UV properties of Fabric.	6
TPE	
Comparative study of effect of cot hardness on yarn parameters in Ring Spinning and Compact spinning	4
TC	
Comparative Study of Adsorption for Dyes from Textile Effluent Using Low Cost Agricultural Waste	4
Energy Conservation in Pretreatment	4
Application of Lichen on Cotton	4
Application of Banana Pseudo Stem Extract in Dyeing – A Sustainable Approach	4
Study on Primary Treatment of Textile Effluent	4
Development of Multifunctional Bandage	4
Development of Filtration Membrane by Using Walnut Shell Activated Carbon	4
MMTT	
Comparative study of the fabrics made from normal polyester filament yarn and kooltex polyester filament yarn	4
FT	
Quality improvement of workplace using lean tool	4
Product development from silk and cuprammonium	4
Online Internship of T.Y. B. Tech. all(TT,TM,TP,TC,TF)	**275**
Online Internship of Final year B. Tech all(TT,TM,TP,TC,TF)	**292**
All students of TY B Tech had completed Industrial training	
CSE & IT	
Industrial Training	148
Cyber Security Virtual Internship from 12/03/2021 to 12/04/2021	**110**
IT	
Industrial training TY B. TECH IT	**10**
ET	
Internship at Tensor Plus, Ichalkaranji	43
Internship at Microtech, Kagal	14
Internship at Edgate, Bangalore	17
Internship at Electro India, Sangli	01
Internship at Intellectual equipment	01

Internet of Things and Raspberry Pi Programming by Electro wing Services	01
ELL	
BSNL, Pune, Protiex, Mumbai, Buds Engineering, Pune, Prolific Systems and Technologies, Pune, Sharada Electronics, Sangli	163
Omni Directional Conveyor sorting Machine	4
Object detection using Open CV and Raspberry Pi	4
Virtual Telepresence Robot	4
Efficient System utilization control system	4
Generation of different waveforms to simulate the body mechanism	4
Garbage Connect	4
Braille Text Messenger	4
RPM calculation using Image Processing	4
Embedded based force circulation system	4
Automatic Grain Dispenser system	4
Thermal controlled contactless smart door system	4
Sugarcane billet classifier	4
Accident detection and management	4
A logically diagnosis intelligent system	4
Smart Bag	4
Delivery Drone	4
IoT based patient health monitoring system using raspberry pi	4
Manhole monitoring system	4
Automatic Car Washing System	4
Raspberry pi based anti-theft vehicle face detection	4
IoT based gesture controlled robotic ARM	4
Smart wheelchair module	4
Password based circuit breaker	4
AI integrated smart autonomous covid defence robotic system	4
IoT based smart AMBU-BAG compressing machine for ventilators	4
IoT basedanti-pooching alarm system for valuable trees	4
Upgradation of weaving tech (Retro	4
Farmer friendly drone	4
Online car parking allotment system	4
Smart Vehicle System	4
Mobile battery charging using coin insertion	4
Attendance using face recognition	4
Self-driving car	4
Fruition Adroit systematic Transport	4
IoT based smart band for women safety	4
Sterilization of dental chair using UV Rays	4
Upgradation of weaving tech (Retro Texrap 1)	4
Health monitoring chair	4
Border security robot	4
Agriculture field Robot	4

Mech	
Design, Development and manufacturing of bamboo cutting and slicing machine	4
Mini CNC carving Machine	4
Prototype model for laser engraver	4
Design and development of set up for heat treatment arrangement for industrial small components	4
Design & Development of fixture for Rocker Arm	4
Design and Development of air leakage tester machine for pump component	4
Internships compulsory for all T.Y. B.Tech Students	**141**
CE	
Internship & Report on Field Training	61
Surveying Field Project	87
MBA	
Project Report and Viva Voce (50 days Internship)	**108**

Annexure-III

Sessions conducted by Dr. Sreekumar:

Class	Day and Time	Topic
Third Year B.Tech. (TT/TC)	Sat. 07/08/2021 10.30 am to 12.30 pm	Manufacturing of Carbon Fibres& it's potential application
Third Year B.Tech. (MMTT/TPE/FT)	Sat. 07/08/2021 03.00pm to 5.00 pm	Manufacturing of Carbon Fibres& it's potential application
Second Year B.Tech. (MMTT/TPE/FT)	05/02/2021 03.00 pm to 5.00 pm	Developments in Synthetic Fibres
Second Year B.Tech. (TT/TC)	06/02/2021 03.00 pm to 5.00 pm	Developments in Synthetic Fibres

Sessions Conducted by Dr. G. Janakiraman:

Date	Topic	Time at which lecture delivered		Audience (Specify UG/ PG/ Doctoral / open to all)	Number attended	Were abstract and slides/material on the lecture distributed
		From	To			
14/12/2020	Optimization of pre-spinning process parameters	10.50	13.50	IV Year / III Year B. Tech (Text. Tech.)	82	Yes – Soft copy of Lecture Points
14/12/2020	Suitability of process parameters for post-spinning	15.00	17.00	IV Year / III Year B. Tech (Text. Tech.)	82	Yes – Soft copy of Lecture Points
15/12/2020	Optimization of pre-spinning process parameters	10.50	13.50	IV Year / III Year B. Tech (Man Made Text. Tech.)	125	Yes – Soft copy of Lecture Points
15/12/2020	Suitability of process parameters for post-spinning	15.00	17.00	IV Year / III Year B. Tech (Man Made Text. Tech.)	125	Yes – Soft copy of Lecture Points
16/12/2020	Maint. approach to pre-spinning machines	10.50	13.50	IV Year / III Year B. Tech (Text. Plant Engg)	102	Yes – Soft copy of Lecture Points
16/12/2020	Maint. approach to post-spinning machines	15.00	17.00	IV Year / III Year B. Tech (Text. Plant Engg)	102	Yes – Soft copy of Lecture Points