Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**KOLHAPUR INSTITUTE OF TECHNOLOGY'S COLLEGE OF ENGINEERING (AUTONOMOUS)**
Name of the head of the Institution	**Dr. V.V. Karjinni**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**09168781199**
Mobile no.	**7769001199**
Registered Email	**info@kitcoek.in**
Alternate Email	**iqac@kitcoek.in**
Address	**R.S.No. 199B/1-3, Gokul Shirgaon**
City/Town	**Kolhapur**
State/UT	**Maharashtra**
Pincode	**416234**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**08-Jun-2017**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Mrs. Deepali K. Jadhav**
Phone no/Alternate Phone no.	**+919158580202**
Mobile no.	**9158580202**
Registered Email	**iqac@kitcoek.in**
Alternate Email	**jadhav.deepali@kitcoek.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.kitcoek.in/agnis_upload/about-kit/nacc-record/naac-annual-quality-assurance-report-2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.kitcoek.in/agnis_upload/academics/academic-calender/academic-calender-sem-2-2019-20-autonomous.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.12**	**2015**	**03-Mar-2015**	**31-Dec-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**02-Jul-2012**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Identification of mentee institute for mentoring NAAC related activities	05-Sep-2019 1	2
Dr. V.V. Karjinni, Director, KIT CoEK, has been selected by AICTE as Margdarshak for mentoring HEI	05-Jul-2019 1	2
Mentor- Mentee Institute Interaction	06-Nov-2019 1	1
NBA visit for Electronics and Telecommunication Engineering Program and program got accredited for 3 years.	08-Nov-2019 2	15
One Day Regional Workshop on Orientation Program on NEET and MS-CET for Junior College Faculties	21-Dec-2019 1	125
One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process for Polytechnic Faculties	21-Dec-2019 1	100
Collection of Paper Publication in Journal details from all faculty members in institute through Google Form.	01-Feb-2020 5	165
Collection of Paper Publication in Conference details from all faculty members in institute through Google Form.	01-Feb-2020 5	165
Expert Talk on NBA and OBE works at two day FDP NBA and Outcome Based Education at VSM	07-Feb-2020 2	40
NBA Compliance of Computer Science and Engineering and Civil Engineering Programs	14-Feb-2020 1	50
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**6**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• Identification of mentee institute for mentoring NAAC related activities 2 Colleges from Shivaji University – JJMCOE, Jaysingpur and SETI, Panhala • Dr. V.V. Karjinni, Director, KIT CoEK, has been selected by AICTE as Margdarshak for mentoring HEI's towards institution building and accreditation related initiatives. 2 Colleges from VTU, Karnataka VSM's Institute of Technology, BasavVidya Nagar, Karnataka S.S.E.T's S.G.Balekundri Institute of Technology, Belgaum • Mentor Mentee Institute Interaction with JJMCOE, Jaysingpur • NBA visit for Electronics and Telecommunication Engineering Program and program got accredited for 3 years. • One Day Regional Workshop on Orientation Program on NEET and MSCET for Junior College Faculties • One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process for Polytechnic Faculties. • One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process for Polytechnic Faculties. • Collection of Paper Publication in Journal details from all faculty members in institute through Google Form. • Collection of Paper Publication in Conference details from all faculty members in institute through Google Form. • Expert Talk on "NBA and OBE works" at two day FDP 'NBA and Outcome Based Education' at VSM's Somashekhar R. Kothiwale Institute of Technology, Nipani, Dist: Belgavi, State: Karnataka by Dr. V.V.Karjinni, Director, KITCoEK and Mrs. Deepali K. Jadhav, Head IQAC, KITCoEk under AICTE Margdarshak for mentoring HEI's towards institution building and accreditation related initiatives. • NBA Compliance of Computer Science and Engineering and Civil Engineering Programs • Online submission of Annual Quality Assurance Report (AQAR) for year 201819 on NAAC HEI Portal. • Conduction of Student Satisfaction Survey through Google Form. • Conduction of COVID19 awareness quiz through Google Quiz • Five different activities are conducted regarding Project Based Learning (PBL).

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

Plan of Action	Achivements/Outcomes
1. Academic Calendar for both semester is prepared, prior to the start of semester	Throughout the semester academic activities are conducted according to calendar.
2. Training for faculty members and students for PBL will be arranged throughout the entire year.	Total 5 different activities are conducted regarding PBL
3. Applied for NBA accreditation for E & TC departments	Received 3 years NBA accreditation for E & TC department
4. Applied for NBA compliance for civil and CSE departments	Received 3 years NBA accreditation for Civil department
5. Implementation of on line feedback system for • Teaching Staff • Library facilities • Hostel facilities • Non-teaching staff feedback	All Departments regularly following the process
6. Collection of Paper Publication in Journal details from all faculty members in institute through Google Form	Received 190 responses (last 5 year data)
7. Collection of Paper Publication in Conference details from all faculty members in institute through Google Form	Received 88 responses (last 5 year data)
8. Mentor- Mentee Institute Interaction	Mentor- Mentee Institute Interaction with JJMCOE, Jaysingpur
9. One Day Regional Workshop on Orientation Program on NEET and MS-CET for Junior College Faculties	125 Faculties from different junior colleges participated for workshop.
10. One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process for Polytechnic Faculties	100 Faculties from different Polytechnic colleges participated for workshop
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC	08-Dec-2020

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 of Submission	2020
Date of Submission	25-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	1. Faculty and Staff Attendance Monitoring System based on Biometric – Fingerprint Recognition and Face Recognition System 2. Student Admission – Re Admission Monitoring System based on Contineo Software 3. Student Attendance Monitoring System based on Contineo Software 4. Student online Feedback System 5. Student Academic Semester / Year wise Results System based on Contineo Software 6. Students On Screen Examination Question Paper Evaluation System, Result Analysis System based on Contineo Software 7. Parent Portal based on Contineo Software: to inform parents about their ward's attendance and academic events as well as the examination results. 8. Faculty and Staff leave record management based on EMployee Software. 9. Moodle Platform :(a) to upload study material, Question Bank of concerned subjects by the course teacher in soft form, (b) to conduct Quiz, (c) Announcements by Course teachers

Part B

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	UBIO	Biotechnology Engineering	08/02/2020
BTech	UCSE	Computer Sciences and Engineering	01/02/2020
Mtech	UCSE	Computer Sciences and Engineering	01/02/2020
BTech	UENV	Solid Waste Monitoring Laboratory UENV0532	01/07/2019
BTech	UENV	Mini Project Laboratory UENV0541	01/07/2019
BTech	UENV	Wastewater	01/01/2020

Programme	Code	Course	Date
		Engineering Laboratory UENV0631	
BTech	UENV	Design and Drawing of Environmental Systems Laboratory UENV0634	01/01/2020
BTech	UETC	Enhancing Soft skills & Personality Development (Audit Course II) UETC0461	01/07/2019
BTech	UETC	Industrial Management (Audit Course III) UETC0561	01/07/2019
BTech	UETC	Engineering Economics (Audit Course IV) UETC0661	01/07/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Biotechnology Engineering	01/07/2019	UBIO0504	01/07/2019
BTech	Biotechnology Engineering	01/07/2019	UBIO0561	01/07/2019
BTech	Biotechnology Engineering	01/01/2020	UBIO0601	01/01/2020
BTech	Biotechnology Engineering	01/01/2020	UBIO0661	01/01/2020
BTech	Environmental Engineering	01/01/2019	UOEL0631	01/01/2019
BTech	Electronics and Telecommunication Engineering	01/07/2019	UETC0461	01/07/2019
BTech	Electronics and Telecommunication Engineering	01/07/2019	UETC0561	01/07/2019
BTech	Electronics and Telecommunication Engineering	01/07/2019	UETC0661	01/07/2019
BTech	Electronics and Telecommunication Engineering	01/07/2019	UETC0761	01/07/2019

BTech	Production Engineering	20/02/2019	UPRD0624	20/02/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Rapid Prototyping	20/02/2019
BTech	Environmental Laws and Policies	01/06/2019
BTech	IoT Lab	01/06/2019
BTech	Basics of Network Engineering	01/06/2019
BTech	Software Systems	01/06/2019
BTech	Digital Image Processing	01/06/2019
BTech	Software Defined Network	01/06/2019
BTech	High Performance Computing	01/06/2019
BTech	Natural Language Processing	01/06/2019
Mtech	Data Science	01/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Sciences and Engineering	01/07/2019
BTech	Environmental Engineering	01/07/2019
BTech	Electronics and Telecommunication Engineering	01/07/2019
BTech	Electronics Engineering	01/07/2019
BTech	Electrical Engineering	01/07/2019
BTech	Civil Engineering	01/07/2019
BTech	Biotechnology	01/07/2019
BTech	Information Technology	01/07/2019
BTech	Production Engineering	01/07/2019
BTech	Computer Sciences and Engineering	01/07/2019

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Metamorphosis - A life skills workshop for TY Biotech Engg. students (5 full days in 2 phases)	03/12/2019	68
Professional Certification	01/01/2019	138
International Webinar Series on "Sustainable Environment, Issues and Challenges: A Ray of Hope Post COVID-19"	04/06/2020	115
National Webinar on "Pollution Control and Waste Management"	19/06/2020	104
TATA tech Distance ready engineers program	01/08/2019	18
Automotive Electronics By KPIT Technologies Pune I)PACE Program II) Genisys Program	01/01/2020	25
Fundamentals of Advanced Automobile Design	01/07/2020	94
Advanced Automobile Design	01/07/2019	84
Fundamentals of Advanced Automobile Design	01/07/2019	79
Ready Engineer Programme by Tata Technologies	01/01/2019	88
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Biotechnology	32
BTech	Computer Science and Engineering	57
BTech	Environmental Engineering	5
BTech	Civil Engineering	120
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Feedback on Curriculum, infrastructure and overall facilities: To achieve the Institute's vision to be a center of excellence in technical education, the program curriculum, its delivery evaluation plays the most vital role. The curriculum of all the programs is the riding vehicle through which teachers impart their knowledge to the most important stakeholder of this institute, students. The effective curriculum helps prepare students to kick-start their careers in their respective fields. To prepare a quality curriculum, an effective feedback system is necessary. At the institute, feedback on curriculum, infrastructure and overall facilities is taken from students, alumni, parents, faculties, and employers. Academic Feedback is conducted twice a semester- Formative (in the mid of semester) and Summative(at the end of semester). The feedback is conducted through a software developed in-house. Students give the feedback by anonymously logging into the software. This encourages students to give free and fair feedback. The questionnaire mainly concentrates on the teaching- learning aspects. The questionnaire is followed by a comment section where students can give their suggestions. Immediately after the feedback, faculty members can log into the software and see feedback given by students. A HoD can check the feedback reports pertaining to his/her department which include average, faculty wise, subject wise, class wise, number of students participated, students suggestions/comments report. And the Director can check same feedback reports of all departments. The Director discusses the reports in his meeting with the HoDs rigorously. In the they prepare an action plan based on the feedback and suggestions received from the students. HoDs, in turn, communicate the action plan to respective faculty members. Based on the feedback score, faculty receives appreciation letter if they excel or improvement letter if the performance is poor. Other feedbacks are collected during the end of the academic year (Graduate feedback), alumni meet (alumni), parents' meet (parents), HR meet or campus recruitment (employers), and end of semester departmental meetings (faculty). The feedback consists of questionnaires that are to be rated by the respective stakeholders. The students, faculties, and parents are asked about the difficulty level of curriculum, evaluation scheme, credit distribution, lab to theory course ratio, books mentioned in the curriculum, understanding and confidence levels of the students, employability potential, etc. The alumni and employers are asked to rate the curriculum in terms of industry relevance, technological advances, employability potential, research potential, etc. Analysis and Actions taken on Feedback on Curriculum: The collected feedbacks are analyzed by departmental IQAC coordinators and reported to the departmental Board of Studies (BoS). The BoS, which comprises of internal faculty members, industry/field experts and academicians from other institutes, considers the feedbacks while designing the curriculum. discussions at-length are carried out on feedbacks received and necessary actions/revisions are suggested in the curriculum. The approved curriculum is then forwarded to the final approval of the Academic Council of the institute, after which it is formally implemented effective from the next academic year.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Biotechnology	60	48	41
BTech	Civil Engineering	120	140	121
BTech	Computer Science & Engineering	180	242	202
BTech	Electrical Engineering	60	57	50
BTech	Electronics & Telecommunication Engineering	120	135	121
BTech	Environmental Engineering	60	52	44
BTech	Mechanical Engineering	180	184	156
Mtech	Biochemical Engineering & Biotechnology	18	2	1
Mtech	Computer Science & Engineering	18	9	4
Mtech	Electronics & Telecommunication Engineering	18	7	4
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	3019	79	152	15	13

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	Numberof smart classrooms	E-resources and techniques used
167	167	11	41	20	6
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

The college has since last several years practiced a system of mentoring called the student mentoring, whereby a full time teaching faculty was provided to every ward to look after his/her academic and psychological well being and also monitor class attendance and performance. Under the Mentor system, at the beginning of the academic session, the group wise names of the mentors mentees are displayed. The mentors are responsible for academic progress and psychological wellbeing of their mentees. They are also entrusted with the task of monitoring the attendance and academic progress of the students. They also provide primary psychological counseling to those who need them and refer them for more professional counseling, if required. At the beginning of the academic session, the mentors conduct orientation program for the mentees, whereby they are acquainted with the institution, its goals and mission, the facilities available and the regulations of the autonomous institute. The mentors maintain the biographic details of each individual mentee including educational background and socio-economic status. They also maintain record of their class attendance, class-performance and academic progress. The mentors use both formal and informal means of mentoring. The mentor system, apart from its formal part, also exists as a robust informal mechanism to boost inclusiveness, gender sensitivity and social responsibility of students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3019	167	1:18

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
171	167	4	Nill	29

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Mrs. P S Patil	Assistant Professor	Ph.D. (Chemical Engg)
2020	Mrs. M S Kalas	Associate Professor	Ph.D. (Computer Engg)
2020	Mr. S S Karidkar	Assistant Professor	Ph.D. (Mechanical Engg)

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	Computer Science Engineering	IV	22/05/2020	11/07/2020
BTech	Computer Science Engineering	II	22/05/2020	10/07/2020
BTech	Civil	VIII	22/10/2020	10/11/2020

BTech	Civil Engineering	VI	22/05/2020	08/07/2020
BTech	Civil Engineering	IV	22/05/2020	07/07/2020
BTech	Civil Engineering	II	22/05/2020	06/07/2020
BTech	Biotechnology	VIII	22/10/2020	10/11/2020
BTech	Biotechnology	VI	22/05/2020	04/07/2020
BTech	Biotechnology	IV	22/05/2020	03/07/2020
BTech	Biotechnology	II	22/05/2020	02/07/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
10	2288	0.44

2.6 – Student Performance and Learning Outcomes

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

https://www.kitcoek.in/best-engineering-college-kolhapur-autonomous-engineering-college.php

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
PENV	Mtech	Environmental Engineering	14	14	100
PBEB	Mtech	Biochemical Engineering & Biotechnology	6	6	100
UPRD	BTech	Production Engineering	68	68	100
UMCH	BTech	Mechanical Engineering	141	140	99.29
UENV	BTech	Environmental Engineering	73	73	100
UETC	BTech	Electronics & Telecommunication	72	71	98.61

UITE	BTech	formation Technology	62	62	100
UCSE	BTech	Computer Science & Engineering	72	72	100
UCVL	BTech	Civil Engineering	147	144	97.96
UBIO	BTech	Biotechnology	44	44	100
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2.7 – Student Satisfaction Survey

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

https://www.kitcoek.in/agnis_upload/about-kit/nacc-record/student-satisfaction-survey-kit.pdf

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

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
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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
Nill	90	Kolhapur Zilla Dudh Utpadak Sangh, Kolhapur	0.75	0.75
Nill	1095	Aarhus University, Denmark	80	40
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

10

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
Startup Ignition Program- One Day Workshop	Mechanical Engineering	15/09/2019
One Day Workshop on Business Model Canvas Outreach Program	Mechanical Engineering	17/09/2019
PRAKALP (Project Competition in PIONEER-2020)	Mechanical Engineering	15/02/2020
TRIGGER Club activity: Two day hands on training program on simulations of manufacturing factories.	Mechanical Engineering	20/01/2020
Workshop on "Raspberry-Pi"	Electronics and Telecommunication	01/09/2019
Robotics	Electronics and Telecommunication	05/09/2019
Awareness About Mini Project Selection	Electronics and Telecommunication	28/01/2020
FDP on Robotics, IoT Embedded System	Electronics and Telecommunication	01/10/2020
Value added program on ARDUINO	Electronics and Telecommunication	02/02/2020
Workshop on Antenna S/W HFSS	Electronics and Telecommunication	06/10/2020
Guest Lecture on Placement Awareness	Electronics and Telecommunication	06/02/2020
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
To extract recover the metals from E-waste	Samruddhi TBI Award	Samruddhi TBI Foundation	19/06/2020	To extract recover the metals from E-waste
Effect of magnetized water on performance evaluation of concrete	Samruddhi TBI Award	Samruddhi TBI Foundati	19/06/2020	Effect of magnetized water on performance evaluation of concrete
iPilot : Intelligent Rider Virtual Assistance	Samruddhi TBI Award	Samruddhi TBI Foundati	19/06/2020	iPilot : Intelligent Rider Virtual Assistance
Smart Car Black Box System	Samruddhi TBI Award	Samruddhi TBI Foundati	19/06/2020	Smart Car Black Box System
Design Development of	Samruddhi TBI Award	Samruddhi TBI Foundati	19/06/2020	Design Development of

Desktop CNC				Desktop CNC
Development of an attachment of Can Sealing Machine to reduce product cycle time	Samruddhi TBI Award	Samruddhi TBI Foundati	19/06/2020	Development of an attachment of Can Sealing Machine to reduce product cycle time

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
KITE	Mr. Vanayak Pachlag	Self Sponsored	VedBiz	Start-up	07/02/2020
KITE	Mr. Sudhanva Deshpande	Self Sponsored	Fusion	Virtual start-up	01/11/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Computer Science Engineering	1
Biotechnology Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Science and Humanity (First Year)	8	2
International	Science and Humanity (First Year)	4	2.5
International	Civil Engineering	12	3.2
International	Environmental Engineering	16	7.35
International	Electronics and Telecommunication	26	5.36
National	Computer Science and Engineering	4	3
International	Computer Science and Engineering	18	3

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

Department	Number of Publication
Mechanical Engineering	2
Science and Humanity [First Year]	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Dynamic Trust Management for Company Based Mobile Grid Application	Filed	201921047137	19/11/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Nutritional Analysis of Sugarcane – Papaya wine	Dr. Mrs. Pallavi S. Patil	International Journal of Innovative Technology and Exploring Engineering	2019	0	KIT COEK	Nill
A review on natural lip salve	Dr. Mrs. Pallavi S. Patil	International Journal of Advance Research, Ideas and Innovations in Technology	2019	0	KIT COEK	Nill
Diagnosis of Epileptic Seizure a Neurological Disorder by Implementation of Discrete Wavelet Transform Using Electroencephalograp	Dr. S. R. Chougule	Springer International conference on communication systems and networks (ComNet	2019	Nill	KIT COEK	Nill

Diagnosis and Classification of Epileptic Seizure a Neurological Disorder Using Electroencephalograp	Dr. S. R. Chougule	IEEE Xplore Digital Library	2019	Nill	KIT COEK	Nill
Passive Blind Forensic Scheme for Copy-Move Temporal Tampering Detection	Dr. S. R. Chougule	International Conference on Advances In Communication and Computing Technology (ICACCT)-	2019	Nill	KIT COEK	Nill
A SIFT with RANSAC Based Spatial Tampering Detection in Digital Video	Dr. S. R. Chougule	International Journal of Computer Sciences and Engineering	2019	Nill	KIT COEK	Nill
A robust passive blind copy-move image forgery detection	Dr. S. R. Chougule	Int. J. Information and Computer Security Inderscience Publication	2019	Nill	KIT COEK	Nill
A Passive Blind Forgery Detection Technique to Identify Frame Duplication Attack	Dr. S. R. Chougule	ultimedia Tools and Applications. Springer Publication SCI-E and	2019	Nill	KIT COEK	Nill
Impact of COVID19 on stock Market Performance	U P Gurav, Dr Nandini Sidnalnal	IJET	2020	Nill	KIT COEK	Nill

using efficient LBL-LSTM mathematical model						
Lbl - Lstm : Log Bilinear And Long Short Term Memory Based Efficient Stock Fore casting Model Cons idering External F luctuating Factor	U P Gurav, Dr Nandini Sidnalnal	IJET	2020	Nill	KIT COEK	Nill

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
LBL LSTM -stock market prediction model cons idering external f luctuating factors	Uma Gurav	IJEEAT	2020	3	1	KITCOEK
RNNLBL :A Recurrent neural networks and log bilinear model based efficient stock fore casting model	Uma Gurav	IJIITE	2020	3	1	KITCOEK
Performa nce Optimi zation of VCR Diesel Engine using Soybean	Pravin R. Kubade, Hrushikesh B. Kulkarni	Springer-Lecture notes in mechanical engineerin g	2019	9	1	KITCOEK

Oil based Biodiesel					

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	Nill	9	Nill
Presented papers	3	Nill	Nill	Nill

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Material Testing	G/38527 : RMK Infrastructure Pvt. Ltd.	3960
Civil Engineering	Material Testing	G/38588 : Art World through ER. Aniket Pravin Patil	6000
Civil Engineering	Material Testing	G/38591 : RMK Infrastructure Pvt. Ltd.	8019
Civil Engineering	Material Testing	G/38591 : RMK Infrastructure Pvt. Ltd.	3960
Civil Engineering	Material Testing	G/38419 : RMK Infra Pvt. Ltd.	10890
Civil Engineering	Material Testing	G/38433 Yashomala Construction, Kolhapur	3200
Civil Engineering	Material Testing	G/38433 Yashomala Construction, Kolhapur	5000
Civil Engineering	Material Testing	G/38443 : Pooja Kalyani sanjay Ghodawat group of institution	2000
Civil Engineering	Material Testing	G/38526 : RMK Infrastructure Pvt. Ltd.	5940
Civil Engineering	Material Testing	G/38525 : DY. Engineer Class I Rural Water	1000

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

Name of the	Title of the	Agency seeking /	Revenue generated	Number of trainees

Consultan(s) department	programme	training	(amount in rupees)	
No Data Entered/Not Applicable !!!				
No file uploaded.				

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 participated in such activities	Number of students participated in such activities
NSS Residential Camp	KITs NSS Unit	4	28
Road Safety Awareness Lecture	KITs NSS Unit	4	105
Street Play On Road Safety	KITs NSS Unit	4	90
Road Safety Awareness campaign	KITs NSS Unit	4	130
Full Attendance Day	KITs NSS Unit	4	1300
What Is Exactly CAA NRC Act?	KITs NSS Unit	4	108
Walk-o-Thon	KITs NSS Unit	4	58
"Me Vote Ka Karnar?"	KITs NSS Unit	4	125
Chalk Box Donation	KITs NSS Unit	4	90
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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	Number of students Benefited
No Data Entered/Not Applicable !!!			
No file uploaded.			

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 participated in such activites	Number of students participated in such activites
Swachh Bharat	KITs NSS Unit	School Swachata Abhiyan	4	90
Swachh Bharat	KITs NSS Unit	Gram Swachata Abhiyan	4	100
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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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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	Duration To	Participant
Project work	Studies on Nanoparticle synthesis and characterization	Dr. Nimbalkar (Asst.Prof. , Dept. of Botany, Shivaji University Kolhapur)	19/08/2019	31/03/2020	Final year Students (3)
Project work	Studies on anti-cancer activities of natural plant extracts on cell lines	Stellixir Biosciences Bangalore	15/06/2019	10/01/2020	Final year Students (6)
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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/Activities	Number of students/teachers participated under MoUs
BIM technologies, Australia.	31/05/2020	Training and Internship faculty and students	Nill
Green sustainability and youth Knowledge foundation India	30/05/2020	Consultancy, collaborative research , student project, internship training and placement	Nill
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
91	73.99

4.1.2 – Details of augmentation in infrastructure facilities during the year	
Facilities	Existing or Newly Added
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Vidyasagar Library Management Software	Fully	1.1 Online Web based	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	60272	16747199	792	146352	61064	16893551
e-Books	9157	13570	Nill	Nill	9157	13570
Journals	102	3804222	102	199157	204	4003379
e-Journals	27854	9022384	Nill	Nill	27854	9022384
Digital Database	Nill	Nill	1	13570	1	13570
CD & Video	1872	187200	Nill	Nill	1872	187200
Library Automation	60272	37500	792	8000	61064	45500
Weeding (hard & soft)	1930	1158000	Nill	Nill	1930	1158000
Text Books	1	169083	Nill	Nill	1	169083
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.Maheshkumar Shrikant Chavan	Digital Signal Processing	Webex ,PPTs	15/03/2020
Dr.Yuvraj Mahadeo Patil	Digital Communication,Information Theory and Coding Technique	Webex ,PPTs	15/03/2020
Mr. Atul Ravichandra Nigavekar	Embedded System Design,Linear Integrated Circuits	Webex ,PPTs	15/03/2020
Mr.Sameer Ramchandra Karadkar	Vedic Mathematics	Webex ,PPTs	15/03/2020
A.M.Qureshi	Multidegree Vibration Analysis	You Tube	25/05/2020
Dr. S.S. KARIDKAR	Value Analysis and Job Evaluation and Merit Rating	You Tube, google meet	08/05/2020
Dr. S.S.Shinde	(Production Economics) Isoquants, NPV	OBS,KineMaster, PPT	05/05/2020
Dr. S. M. Pise	Analysis of Mechanical Elements	You Tube , Zoom	09/05/2020
A. S. Patil	ADHOC Network WAN Video Lectures	Screen cast-o-matic/Apowersoft Screen Recorder, launched on youtube and shared google drive link	01/04/2020
Dr. A. R. Thorvat	Research Methodology (Audit Course - IV)	MOODLE ZOOM Meeting	07/01/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1563	22	200	20	0	9	10	200	20
Added	64	0	0	0	0	0	0	0	0
Total	1627	22	200	20	0	9	10	200	20

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

200 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
Departmental ICT facility	http://172.16.100.3/localg

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 incurredon maintenance of physical facilites
133.3	97.92	27	23.92

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)

Physical- The Institute has a Estate Office. The Estate Office is headed by an Estate Officer with a Civil Engineer and a clerk under him. All the Departmental maintaining and utilizing of physical and support facilities are sent to the Estate office which prepares an Estimate for the work, gets the approval of the Secretary or Building committee as the case may be. Once administrative approval is obtained for the estimate 3-5 quotations are called which are opened in the presence of the Director/Secretary and the final approval for the work is obtained. The Work order is then issued and the execution is carried out under the departmental supervision of the Estate office. The bills are then put-up with approval of Director and passed for payment. For large works a retention amount to recover for damages and inferior works of 5-10 is kept for liquidated damages. Laboratories – All Departments have their own Library In charge who proposes an annual budget for his/her Lab under two heads – Recurring and Non-Recurring. The HOD in consultation with Seniors decides the urgency and priority of the Lab and refines the budget for his/her Dept. The budget is then Compiled by the HOD and put up to the Central Budget for Approval of the Board Equipment Committee. After approval the HOD asks the Lab in charge to call for quotation and get the equipment's purchased after approval of Equipment Purchase committee. Academic- The Lab-In charge/faculty puts up his requirement as per the pre-sanctioned budget for maintaining and utilizing of equipment's and accessories to the Departmental HOD. The HOD gets the approval of the Director who in turn gets the approval of the Secretary or Equipment committee as the case may be and calls for 3-5 quotations in sealed envelope which are opened in the presence of the Director/Secretary and the final approval for the work is obtained. The Work order is then issued and the execution is carried out under the departmental lab in charge/HODs supervision. The bills are then put-up with approval of Director and passed for payment. Library- Library has a Committee whose meetings are held at regular intervals for quality improvement of Library services. In addition to departmental faculty, student representatives are also contributing their suggestions in this committee. The book requisition submitted by the departments are scrutinized and purchase order is processed as per standard procedure. The books are organized subject wise as per standard library classification system. Students can browse the collection through web OPAC, open access to the physical collection for better utilization of the library. Sports complex- Permission to Director is put up directly to Director for Purchase of New sports equipment's. The store dept is instructed by Director to get quotation in discussion with Physical Director . 3-4 quotations are obtained from parties and put up for purchase in front of college purchase committee. Annual maintenance is done for Gymnasium equipment's such as

changing the rope ,oiling greasing etc. The playground after every rainy season

https://www.kitcoek.in/gymkhana-kit-college-of-engineering-kolhapur.php

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	NIL	0	0
Financial Support from Other Sources			
a) National	Social Welfare Department -SC, VJ NT, OBC, SBC, Tribal Development department - ST,Joint Director (Technical Education) - EBC/EWS	1963	75275455
b)International	NIL	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Signals Systems	01/08/2020	5	Department of Electronics Engineering
Environmental Engineering-I	01/08/2020	26	Department of Environmental Engineering
Computer Graphics	01/08/2020	10	Department of Computer Science Engineering
Metamorphosis - A life skills workshop for TY Biotech Engg. students (5 full days in 2 phases)	01/08/2020	68	The wise wings
Ready Engineer Program	01/08/2019	84	TATA Technology Ltd.
Soft Skill Development	13/11/2019	43	Apt Tech-Solutions, Kolhapur
Soft Skill Development	13/11/2019	43	Campus For You, Kolhapur
Soft Skill Development	13/11/2019	43	O2 Breathing Brains, Sangli

Yoga Day	21/06/2019	66			Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur
Personal Counselling and Mentoring	01/08/2019	2013			Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur
			View File		

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	India First Leadership Talk Series Episode 2 on "Planning for Career" under MHRD's Institutional Innovation Council	Nill	120	Nill	43
2019	Guest lecture on opportunities in Govt.sector and prepration by Omkar Shendure Exu.Engg.WRD	81	81	3	3
2019	Seminar on Higher Education Job Opportunities after GATE for T.Y. Mechanical Engineering	30	32	1	1
2019	GATE Biote	20	Nill	2	Nill

	chnology Coaching at the Dept. for Final Year students				
2019	Interactive Session on Campus Recruitment Preparation	40	40	Nill	Nill
2019	Sessions on preparation of competitive Examination and GATE Exams	30	32	1	1
2019	Interaction with SEED infotech Ltd., Pune regarding Japanese language for all Engineering Students	Nill	70	Nill	Nill
2019	A seminar on " Career opportunity for Engineers & Strategy to crack GATE for BE students	Nill	77	1	1
2019	Seminar on " Career opportunities for all Engineering students in Civil Services	Nill	46	1	1
2019	Orientation program for Civil services & Engineering Services	Nill	51	1	1

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
No Data Entered/Not Applicable !!!		

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
KPIT, Pune	49	12	Makjai labs, Kolhapur	1	1

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B E Civil Engineering	Civil Engineering	NICMAR, Hyderabad	Advance Construction Management, NICMAR, Hyderabad
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	VIT Vellore	M Tech (Biotechnology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	IIT Guwahati	M Tech (Biotechnology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	Amity University,Mumbai	M.Tech (Food Technology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	ICT,Mumbai	M.Tech (Bioprocesses Technology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	ICT,Mumbai	M.Tech (Bioprocesses Technology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering	ICT,Mumbai	M.Tech (Bioprocesses Technology)

2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	IIT Guwahati	M Tech (Biotechnology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	IIT Delhi	M.S (Research Biochemical Engg. & Biotechnology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	IIT,Madras	M Tech (Bioprocesses Technology)

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

Items	Number of students selected/ qualifying
GATE	16
CAT	4
GRE	9
TOFEL	5
Civil Services	1
Any Other	3

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

Activity	Level	Number of Participants
Shooting Competion 3	Inter-Zonal	68
Annual Sports Day 3	Institute level	250
Annual Social Gathering - MERAKI 3	Institute level	550

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	1st Prize-Carrom	National	1	Nill	2017103770	Shinin Mujawar
2019	III Wrestling	National	1	Nill	2016085269	Gouri Ranjit Patil
2019	III Wrestling	National	1	Nill	2016084814	Jayant Deshmukh

2019	II Basketball (M)	National	1	Nill	1718000582	Sarthak Patil
2019	1st Prize - for Best Actor category for one-act play "Data" in One act play competition Dajikaka Gadgil Karandak organized in Pune	National	Nill	1	NA	Group
2019	1st Prize-General championship RajarshiChh. Shahu College, Kolhapur State Level Speech Competition .	National	Nill	1	1718000299	Swarada Phadnis
2019	1st Prize-General championship RajarshiChh. Shahu College, Kolhapur State Level Speech Competition	National	Nill	1	1920000462	Pranjali Suryawanshi
2019	3rd Prize-Yashwant Shabdgaurav state-level Speech Competition Organized by Yashwantrao Chavan Pratishtan,	National	Nill	1	1718000299	Swarada Phadnis

	Mumbai, Na vamaharash tra Youth campaign						
2019	3 rd Prize-Cricket	National	1	Nill		1819010058	Rajas Pawaskar
2019	3 rd Prize-Cricket	National	1	Nill		1819010050	Kiran Ga neshachary a

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

Students play an important role in the execution of activities of different committees formed at institute level. For the year 2019-20 students from different disciplines represented at institute level committees. These institute level committees work at front of academic as well as administrative matters. Following are the names of students, who represented at these committees in year 2019-20. 1. ISTE Student Committee - Karan Patil- ISTE Student Chariman, Core Committee members - Yuvraj Shankar Bhalekar, Yashashree Pachlag, Kaushalya Patil, Pratik Nesarkar, Shalmali Jadhav, Shruti S Gurav, Sushmita Rajput 2. Sport Representative- Shruti S. Gurav 3. NSS representative - Mr. Pushparaj Karekar 4.Ladies representatives - Heena Bhat , Garima Bhat 5.Internal Quality Assurance Cell Student Representatives- Mr. Abhay Singh 6. Anti Ragging Committee Student Representatives – Sayali S. Kulkarni, Takawade Shoheb Noushad, Mr. Pratik Anant Upadhye

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Kolhapur Institute of Technology's College of Engineering, Kolhapur has registered Alumni Association. Following is the list of Office bearers for KIT Alumni Association (KITAA). Mr. Sajid Hudli – President Mr. Sunil Kulkarni ,Vice - President Dr. D. V. Ghewade – Secretary,Mr. S. S. Shaha – Treasurer, Mr. R. A. Nikam –,Member, Mr. S. M. Pise , Member , Mr. N. B. Sambre , Member , Mrs. T. T. Mohite Patil – Member, Mr. V. K. Desai – Member Various activities were held under KIT Alumni Association in a view of development of institute. Such activities consist of Placement activities for students, Interaction with students through Expert Lectures, Workshops, Higher Studies Opportunities, Skills Development etc.

5.4.2 – No. of registered Alumni:

240

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meetings are conducted at institute through Alumni Association as well as Departmental activities. KIT's alumni have played significant role in development of institute through various support activities like placement of students, training/ internships to students, expert lectures , departmental advisory board etc. Alumni talks are organized by the departments in order to take inputs of Alumni and enhance the interactions with the students. .

Experienced alumni and senior professionals have contributed their valuable time and experience in delivering expert talks for student at different departments like Computer Science Engineering, Mechanical, Civil and Environmental Engineering departments. Alumni are also involved in the department BOS advisory board for curriculum formation for all departments. Accordingly, the alumni attend the meetings of advisory board of the concerned departments each year and contribute in development of the curriculum. The department of Environmental Engineering have conducted activities of alumni talks as "Reconnect: An Online Student – Alumni Dialogue Initiative" in the year 2019-20. Under this initiative they have conducted total 20 Alumni talks and Webinar series of alumni for students . The department of Computer Science Engineering has conducted an Expert lecture on "Opportunities in Machine Learning" on 30/09/2019 by Mr. Amit Vhatkar, IIT Bombay who is alumnus of the department.

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)

The college has defined the hierarchical structure for delegation of authority as follows. 1. Board Of Trustees discuss all important issues regarding the policy decisions with Governing Council (BOG). 2. Governing Council , Internal Quality Assurance Cell (IQAC) and Academic Council (AC) discuss with the Director of the institute. 3.The Director then delegates the authorities to all deans viz, Dean Academics , Dean Quality Assurance ,Dean PG Research , DEAN III , Dean Students Activity, Dean Examination Evaluation,Dean Alumni Corporate Relation and Registrar. 4. Estate Office , Accounts, Establishment Office ,Office Superintendent and TP Officer report to Registrar for their day to day activities. 5.Dean Academics and Dean Students Activity then delegates the authorities to all the Heads of the Departments viz, Head BSH Engineering , Head Mechanical Engineering,Head ETC Engineering, Head Electrical Engineering , Head Computer Science Engineering , Head Civil Engineering , Head Biotechnology Engineering, Head Environmental Engineering, Librarian and Physical Director . 6.The college has various active committees with respect to Decentralization of work and participation in decision making. All the stake holders viz Trustee members, Faculty members, Non Teaching .staff ,students ,parents, Alumni , Technocrats from various Industries and academicians from other Institutes participate enthusiastically in the process of decision making. Varipus committees involved are a. Board of Trustees b. Board Of Governing Council c. Standing Committee d. Grievance Redressal Committee e. Finance Committee f. College Development Committee. g. Academic Standing Committee h. Academic Council i. Disaster Management Committee j. Management Council k. Internal Complaints Committee l. Internal committee for the students with Disabilities m. Student Development Cell n. Anti Ragging Committee o. Lapses Committee p. Equal Opportunity Cell q. Board of Examinations

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Every department has established Board of Studies (BOS) as per the UGC guidelines and Autonomous Structure.

	For development of curriculum the BOS operates under the leadership of the chairman who is the head of the department and the secretary is the academic coordinator of the Program. Members are faculty members, Experts from industries and academicians from other renowned institutes. The meeting of BOS committee is called regularly twice in a year. Discussion on structure and syllabus up gradation is held in the meeting and then it is finalized. For quality improvement, inputs are obtained by following means- • Interaction with the industry through R and D cell. • Interaction with parents through Parent Teacher Association • Interaction with academicians through workshops • Suggestions from Department Advisory Boards, Program Assessment Committee • Comparative study curriculum of various universities through Open sources. The salient features are as follows. 1. Curriculum components are selected and updated by considering the thrust areas and needs of various Industrial and Public Domains. 2. The Curriculum is categorized as Program Core courses, Professional Electives, Open Electives, Audit Courses etc. 3. Project Based Learning (PBL) – Business Club is implemented for FY students and PBL projects and Presentations are conducted for SY students of all UG.
Teaching and Learning	1. The Academic Calendar is developed by Dean Academics for FY, SY, TY Classes and FY,SY M Tech classes for 2019-20. 2. The semester wise Teaching –Learning process and all Examinations are scheduled as per the Academic calendar for FY, SY B Tech Classes and FY, SY M Tech classes for 2019-20. 3. The Academic Calendar for Final year is followed as per the decision of Shivaji University Kolhapur. 4. The semester wise Teaching –Learning process and all Examinations are scheduled as per the Academic calendar for TE, BE Classes as per the schedule decided by Shivaji University Kolhapur for 2018-19. 5. The academic Audit is conducted at central level twice in every semester. The Moodle records, Contineo records, Academic Diary of all faculty members are assessed department wise during the academic audit. 6. The Teaching Learning process is supported by

	conduction of Guest Lectures, Industrial Visits, Workshops, Projects/ Mini projects, Webinars, NPTEL Lectures /Videos, Soft Skill Development Programs etc. Use of Moodle platform • This platform is developed as a resource to the students. All Course related information material, model answers for Unit Tests and University Examination Paper, attendance of students, test performance of students are uploaded on the Moodle by the faculty. Monitoring students performance through • Internal Unit Test-I and II / ISE I,MSE,ISE II • Improvement test • Assignments, quiz and seminars, projects Monitoring the teaching process through • Online feedback from students (Mid semester and end semester) • Oral feedback from students in the student council meeting with Head of department and Dean (Academic) and during mentoring sessions. • Academic audit by peer committee • Audit of completed syllabus (Monthly) • Result analysis at the end of semester examination. Addressing issues of individual student • Additional classes for slow learners • Personal guidance to students approaching with difficulties • Mentoring of students to motivate for betterment of performance • Psychological Counseling Addressing issues related to course • Extra lectures are allocated in the time table for courses of difficult nature. • Teaching methodology workshops are conducted • Lectures are conducted on prerequisite topics • Expert lectures are conducted on topics related to the course, but, outside the syllabus • Remedial lectures are conducted for slow learners and for students with lateral entry admitted late. Addressing issues of faculty • Course assignment as per Competency Matrix. • Mentoring and guidance to faculty for a course handled by him/her by senior/competent faculty Inputs from IQAC, Department Academic advisory committee, ParentTeacher association and various feedback mechanisms is considered for improvising the teaching-learning .
Examination and Evaluation	Examination: In an Academic year total three examinations per semester are centrally conducted by the Examination Cell such as Mid Semester

| | Examination (MSE), End Semester Examination(ESE) and Makeup Examination. Examination is conducted under Senior Supervisor as per rules defined by Academic Council. After exam is over answer sheets are sealed and transferred for cutting and scanning facility. Before cutting, answer sheets will be allocated a unique code and student information will be masked. After cutting, papers are scanned by two-way scanner which will save the answer sheets into a PDF format. The generated PDF copies will be allocated to the subject wise assigned evaluators randomly. Once the evaluation of all the courses is completed by evaluators then 100 paper showing schedule to students is carried out by concerned department. The formats of submission of Insemester Evaluation(ISE) marks is decided by the Board of Examination/Academic council and the concerned faculty enters the marks in software accordingly. Results are declared by Examination cell within five to six days after completion of evaluation. Evaluation: The process of evaluation will be onscreen evaluation system using continuo software. A separate onscreen evaluation centre will be facilitated to the evaluators where the evaluation would be done and the marks will be entered online in the given software. The onscreen evaluation software will also simultaneously display the model answer sheet of the respective paper. Every evaluator will be given a separate username and password for logging into the software to do evaluation. Minimum mandatory time of evaluation for every paper will be decided by the Academic Council. The moderation of evaluation would be performed as per rules designed by the Academic Council. After all the evaluation is done, result reports will be generated. During the onscreen evaluation process continuous online reports of moderation, pending evaluations, and assessment completed subjects would be available. This would increase the speed of evaluation process. The format of submission of marks will be decided by the Board of Examination/Academic Council. Finally, results will be generated and declared by Examination Cell. |

Research and Development		The institute has central R D committee in place, comprises of experts from different institutes and research organization, as well as there is representation from all the programs of the institute. To motivate and imbibe the research culture amongst the faculty and students' certain policies are framed out and made available on the institute website. The objectives of these policies are to motivate faculty and students for initiating some research, publishing research articles in reputed journals, filing patents, submitting funding proposals for getting grants from different bodies like AICTE, UGC, DST, NABARD etc. Policies are also in place for sponsoring faculty members for pursuing Ph. D. Qualifications. To motivate students towards research, research sensitization scheme of Shivaji University, Kolhapur is implemented. Through this scheme, best research project of the institute is getting Rs. 10,000/- as a seed money for the project work. Every year at the end of academic year project exhibition is organized for all the programs and best projects have been awarded. Further help is provided for the awarded projects for start-ups, commercialization and patent filing. Workshops, seminars and expert lectures are conducted for making awareness about IPR, how to write research proposals, how to prepare thesis etc. During the academic year 2019-2020, twenty proposals were submitted to AICTE AQIS, worth Rs 2,77,50,401/-. Five proposals were submitted to UGC-STRIDE 2019-20 worth Rs. 2,72,58,190/-. During academic year2019-2020, total 46 proposals were submitted worth Rs. 7,26,90,598/-
Library, ICT and Physical Infrastructure / Instrumentation		1.Library Committee meetings are held at regular intervals for quality improvement of Library services. The departmental faculty, student representatives contribute their suggestions in this committee. 2.Library Circulation is fully automated. The services like Web OPAC (Online Public Access Catalogue),CAS(Current Awareness Service),SDI (Selective Dissemination of Information) are the special facilities of Central Library for the

	benefit of stakeholders. The Library software is also available through mobile App for the students. 3.For enrichment of knowledge, subscription of J-Gate and Knowledge Hub Digital library e- resource where 27854 e journals and more than 9000 e books are accessed throughout KIT campus. Institutional membership of DELNET(Developing Library Network) which gives access to more than 10,000 e-books and e journals and NDL(National Digital Library) which gives access to million of e resources. 102 Print journals worth Rs.1.99 Lakhs and 452 Books worth Rs1.76 Lakhs (Gross) are procured during 2019-20 by the Central Library. 4.Institutional repository of Ph.D. Thesis and Published papers of faculties are also maintained by library. The faculty publication repository is maintained on Moodle. 5.The software is developed for book bank through inter departmental project. 6.In addition to this central facility, all Departments are having their own departmental library with a good collection of books, Project Seminar reports. Library automation was enhanced with around 500 volumes newly added
Human Resource Management	1. Permanent Faculty recruitment is done by following the procedures and rules of Staff Selection as per the UGC norms and Shivaji University, Kolhapur. 2. In case if a need arises to recruit a faculty on temporary basis, the selection is done through walk-in -interviews by publishing advertisement in newspapers. The candidates are selected on the basis of course knowledge and communication skills. These are judged from the demonstration lecture given by the candidate and Technical interview of the candidate by the expert committee. 3. Qualified and experienced faculty is identified and appointed as guest faculty or adjunct faculty. 4. Higher administrative post, attractive pay package is offered to eminent faculty. 5. The institute provides freedom of work, opportunity to excel in the individual's domain area and functional office infrastructure. 6. While Recruiting faculties preference is given to candidates with high academic , research , industrial background.

Industry Interaction / Collaboration	The Institute has a well established Industry Institute Interaction cell. Cell organizes "Techno Leadership Talk" focusing on topics such as Governance, Leadership, ethics, future trends, Environment, Risk taking delivered by prominent Industry persona for faculties and students. Cell has formed Department Industry Advisory panel for Board of Studies (BOS) to provide valuable inputs for syllabus structuring in Autonomous curriculum, guidance for Internship, Training for faculties and students. Cell has signed Memorandum of understanding (MoU) with many Industries to provide framework of concepts, roles and responsibilities. Cell has also initiated Centre of Excellence (CoE) to improve expertise in certain areas and make the most of its resources to help the Industry-Academia for overall development. Due this exposure our students have won many prizes and have actively participated in competitions like e-Bootathon, Hackathon, Tata Technologies Ready Engineer these are to name a few. In Tata Technologies Ready Engineer program our students have won first prize in National level. These Competitions help students to have practical knowledge, current trends in Industries to make them Industry Ready.
Admission of Students	1. FY B Tech and FY M Tech admission process is conducted centrally by Directorate of Technical Education Maharashtra (DTE). 2. 80 percent of the seats are filled up through the Central Admission Process as per the norms set by DTE Maharashtra. 3. 20 percent seats are filled up as Institute Quota seats on Merit basis. The applications are invited for Institute Quota seats by the advertisement published in newspapers. 4. Direct Second Year Engineering admission process is also conducted centrally by DTE Maharashtra. Total intake capacity for direct second year in 10 of sanction intake.

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

E-governace area	Details
Planning and Development	1.To develop the Department Specific Laboratories required for Electrical Engineering Department. 2.To initiate the activities of Incubation Centre in KIT campus. 3. To motivate faculty

	members, staff, alumni and students to undertake developments of start-ups in different domains in KIT campus. 4. To initiate CTIF- Global Capsule (Denmark) Centre in KIT 5. To start a new program M Tech (Civil and Structures)
Administration	1.Faculty and Staff Attendance Monitoring System based on Bio-metric -Fingerprint Recognition and Face Recognition System 2.Faculty and Staff Leave Record System based on E-mployee System Software.
Finance and Accounts	Finance and Accounts: 1) Student Fee receipts are generated through Contineo Software. 2) Option is given to Students as well as other stakeholders for making payments to college online. 3) Statutory payments for example TDS, Provident Fund, etc. are made online. 4) In addition, other major payments for example electricity bills, salaries, vendor payments etc. are made online.
Student Admission and Support	We provide a counseling center in college campus through out the admission process of FY B Tech to help the aspiring Engineering candidates and their parents. We have PG Facilitation Center in college campus. We implement FY M Tech admission process as per the guidelines given by Directorate of Technical Education Maharashtra. We have total 2904 UG students and 155 PG students admitted in this year.FY and SY B Tech and M Tech Students attendance,Feedback,Fees,Examination and Evaluation,Result Analysis monitoring is done through Contineo platform.
Examination	In an Academic year total three examination per semester are centrally conducted by the Examination Cell such as Mid Semester Examination (MSE), End Semester Examination(ESE) and Makeup Examination.Examination is conducted under Senior Supervisor as per rules defined by Academic Council. After exam is over answer sheets are sealed and transferred for cutting and scanning facility. Before cutting, answer sheets will be allocated a unique code and student information will be masked. After cutting, papers are scanned by two way scanner which will save the answer sheets into a PDF format. The generated PDF copies will be allocated

to the subject wise assigned evaluators randomly. Once the evaluation of all the courses is completed by evaluators then 100 paper showing schedule to students is carried out by concerned department. The formats of submission of Insemester Evaluation(ISE) marks is decided by the Board of Examination/Academic council and the concerned faculty enters the marks in software accordingly. Results are declared by Examination cell within five to six days after completion of evaluation.

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
2020	Mrs.Ranjeeta Pandhare B.	Data Science	TEQIP-III FDP	1000
2020	Mr. Rajendra Petkar B.	Machine Learning using Python	FDP	800
2020	Mr. Rajendra Petkar B.	Synergogy : An Innovative Model for Knowledge Creation	FDP	2000
2020	S S Jamdade	Recent Trends in Advanced Materials for Engineering Technology	Government College of Engineering, Karad	2000
2020	J.S.Bhat	Recent Trends in Advanced Materials for Engineering Technology	Government College of Engineering, Karad	2000
2020	Dr. Pravin R. Kubade	Recent Trends in Advanced Materials for Engineering Technology	Government College of Engineering, Karad	2000
2020	Dr. Pravin R. KubadeDr. Pravin R. Kubade	Optimization Techniques Awareness on Research	AMGOI	1000
2020	Mr Sandesh Balwant Sangale	One Week FDP on Machine Learning and	Government College of Engineering,	2000

2020	Mr Sandesh Balwant Sangale	One Week STTP on Recent Trends in Advanced Materials for Engineering and Technology under TEQUIP-III	Government College of Engineering, Karad	2000
		Artificial Intelligence under TEQUIP-III	Karad	
2020	Dr. S.S.Shinde	Startup Conference , Hubali	Deshpande Foundation, Hubali	3715
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Advanced Finite Element Analysis using Ansys Workbench	Nill	30/06/2019	01/07/2019	8	Nill
2019	Robotics , IoT and Embedded	Nill	29/09/2019	01/10/2019	13	Nill
2019	Faculty interaction with industry person for student internship.	Nill	12/12/2019	12/12/2019	4	4
2019	Three Days FDP on Engineering Faculty Enhancement	Nill	22/12/2019	24/12/2019	6	Nill
2020	Webinar on "Coping After COVID 19: A New Era	Nill	02/05/2020	02/05/2020	27	5

	for Students Academicians"					
2020	One week webinar series on "Advance CNC and VMC programming"	Nill	02/06/2020	06/06/2020	25	Nill
2020	One Week Online Faculty Development Program on "Stepping towards Problem and Project Based Learning for Academic Excellence	Nill	09/06/2020	13/12/2020	6	Nill
2020	Online one week webinar on "AutoCAD 2D Basics"	Nill	12/06/2020	16/06/2020	6	Nill
2019	Finite Element analysis and its field applications	Nill	11/06/2019	15/06/2019	8	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Seismic Analysis of Multistoried RC Building using SAP2000 and ETAB	1	22/06/2020	26/06/2020	5
Sustainable Environment – An Engineering Perspective	1	13/07/2020	13/07/2020	1

(SEEP: 2020)				
ASSAM ENGINEERING COLLEGE GUWAHATI Organized One Week Online Faculty Development Program on "Sustainable Environment – An Engineering Perspective, 2020"	1	13/07/2020	18/07/2020	5
Paradigm shift in higher education institutes: Opportunities and challenges	1	01/06/2020	12/06/2020	12
Research, funding project and IPR	1	07/05/2020	10/05/2020	4
NAAC awareness programme for faculty	1	08/05/2020	14/05/2020	7
Renewable Energy and its role in Indian power sector	1	16/12/2019	28/12/2019	13
Chemistry and Engineering aspects of water remediation	1	01/07/2019	05/07/2019	5
Genetic Engineering: Theory and Applications	2	01/07/2019	31/10/2019	48
Enhancing Teaching skills-engineering Faculty Workshop	1	22/12/2019	24/12/2019	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
167	167	99	99

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Deputation of faculty for full time Ph.D. program with financial assistance. • Job offer to the successor of staff on availability of vacancy basis. • Advance payment and loan to staff. • Direct deduction from salary towards monthly instalments of Life Insurance Corporation (LIC) scheme / KIT Credit Society loan re payment. • Concession in the mode of payment of Tuition fee (equal monthly instalments EMI) for the wards of staff. • Immediate medical aid to accident affected staff. • First aid unit in every department / building.	Job offer to the successor of staff on availability of vacancy basis. • Advance payment and loan to staff. • Direct deduction from salary towards monthly instalments of Life Insurance Corporation (LIC) scheme / KIT Credit Society loan re payment. • Concession in the mode of payment of Tuition fee (equal monthly instalments EMI) for the wards of staff. • Immediate medical aid to accident affected staff. • First aid unit in every department / building.	Students Welfare fund for medical check-ups. • Insurance policy for students • Payment of fees in instalments for economically weaker students

6.4 – Financial Management and Resource Mobilization

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

Institution conducts internal and external financial audits regularly: Annual Financial audit is done by external agency: Sushant Phadnis and Company.(Certified Chartered Accountant Firm)

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
–	0	–

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6.4.3 – Total corpus fund generated

8694165

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Dean Academic/IQAC
Administrative	No	Nill	Yes	Registrar

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

Biotechnology – 1. Parent – Teacher Meeting once in a Semester 2. WhatsApp

group of Parents Class wise 3. Student Mentoring Civil - 1.Parents meet 2019-20: Parents meet was organised during 6th October 2019 to interact on students performance and feedback from parents were collected. Total 70 parents attended the meeting from S.Y,T.Y and B.E CSE -Parent-Teacher meets are conducted by CSE Department on 21th July , 2019 ,20th October, 2019 ETC and Electronics - 1. Parent – Teacher Meeting once in a Semester 2. WhatsApp group of Parents Class wise 3. Student Mentoring Mechanical - 1. Parent – Teacher Meeting once in a Semester 2. WhatsApp group of Parents Class wise 3. Student Mentoring

6.5.3 – Development programmes for support staff (at least three)
1.Abhishek Hemant Gurjar has participate in one week workshop on "Skill Enhancement of Lab Assistants" organised by department of computer science and Engineering D.Y.Patil college of Engineering and technology Kolhapur during 23rd Dec 2019-28th Dec 2019.

6.5.4 – Post Accreditation initiative(s) (mention at least three)
PBL activities :Business Club applied to FY B Tech , PBL is implemented for few courses to develop problem solving skills.Projects based on one theory course are implemented by SY,TY B.Tech students

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Identification of mentee institute for mentoring NAAC related activities	05/09/2019	05/09/2019	05/09/2019	2
2019	Dr. V.V. Karjinni, Director, KIT CoEK, has been selected by AICTE as Margdarshak for mentoring HEI's towards institution building and accreditation related initiatives	05/09/2019	05/09/2019	05/09/2019	2

2019	NBA visit for Electronics and Telecommunication Engineering Program and program got accredited for 3 years.	08/11/2019	08/11/2019	10/11/2019	15
2019	One Day Regional Workshop on Orientation Program on NEET and MS-CET for Junior College	21/12/2019	21/12/2019	21/12/2019	125
2019	One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process for Polytechnic Faculties	21/12/2019	21/12/2019	21/12/2019	100
2020	Collection of Paper Publication in Conference details from all faculty members in institute through Google Form	01/02/2020	01/02/2020	05/02/2020	165
2020	Expert Talk on "NBA and OBE works" at two day FDP 'NBA and Outcome Based Education' at VSM's Somashekhar R. Kothiwale Institute of Technology, Nipani, Dist:	07/02/2020	07/02/2020	08/02/2020	40

	Belgavi, State: Karnataka by Dr. V.V.Karjinni, Director, KITCoEK and Mrs. Deepali K. Jadhav,				
2020	NBA Compliance of Computer Science and Engineering and Civil Engineering Programs	14/02/2020	14/02/2020	14/02/2020	50
2020	Online submission of Annual Quality Assurance Report (AQAR) for year 2018-19 on NAAC HEI Porta	14/03/2020	14/03/2020	14/03/2020	20
2020	Conduction of Student Satisfaction Survey through Google Form	21/03/2020	21/03/2020	21/03/2020	700

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Membership of Society of Women Engineers - SWE	01/07/2019	30/06/2020	50	Nill
One day seminar on "Women development and menstrual hygiene" under Women development and	03/11/2019	03/11/2019	20	30

Gender Equality Cell				
Women's day celebration- A talk for all faculties on topic "Train your Mind for Better Mental Health" under Internal Complaint committee of college and Institute of Engineers, Kolhapur Local Chapter	07/03/2020	07/03/2020	22	28

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

Percentage of power requirement of the University met by the renewable energy sources
1. Expert talk on "Environment and Employment" by Mr. Anil Naniwadekar 2. Expert talk on "Climate Change" by Mr. Nitin Doiphode arranged by Fridays for Future group on 3rd August 2019 3. "Rally was held for "Environmental Consciousness" under Fridays for Future group on 28th Sept 2019 4. "Watershed Management" activity at Adimallaiya village by Sagarseva group of students and faculties joint with Civil department. 5. "Flood relief camp" for flood affected people was arranged by Students and faculties 6. At Mahasainik Darbar Hall on 17th Sept 2019 7. At Kaneri Mutth on 19th Sept 2019 8. "Flood Relief Fund" of Rs.2 Lac was collected in college and given to District Collector of Kolhapur 9. Activity of "Collection and disposal of Single use Plastic" from whole campus of college was held with the help of 250 students and faculties on 2nd November 2019 10. Shram Sanskar Shibir, Sawarde, 2nd Feb to 7th Feb 2020

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	Nill
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	2
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational	Number of initiatives taken to engage with	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

	advantages and disadvantages	and contribute to local community					
2019	2	Nill	01/07/2019	1	Topographical survey of Adi Mallayya hill near Nipani and provision of watershed development structures for water conservation	Watershed Management Techniques like deepening streams on upstream of check bunds and excavation of contour trenches on hilly slope with the help of local people	35
2019	2	Nill	24/09/2019	1	Swachhata Hi Seva Campaign (Tree Plantation)	Tree plantation activity by students of Biotechnology Engg. Dept. Overall 60 students participated across the department	61
2019	Nill	2	29/08/2019	1	Helping flood affected schools	Distribution of stationary kit in Flood affected school Annasaheb Rajmane Vidyalaya Rui Taluka Hatkanagale District Kolhapur	3

2019	Nill	2	03/10/2019	1	Helping flood affected schools	Distribution of stationary kit in Flood affected school Shri Narsinh Highschool Nittur Taluka Chandgadh District Kolhapur under TTL CSR Activity	4
2020	1	Nill	08/03/2020	1	Corona Virus Awareness Program	Initiative taken by Dept. of Biotechnology Engg. to spread awareness of Corona virus among people by distributing leaflets of information, DO's DON'T's, sample bottles of hand wash made in Dept. of Biotechnology Engg. KITCOEK	55
2020	Nill	6	01/03/2020	3	Covid 19 Quiz	Organized Covid awareness Quiz For BECSE	60
2020	Nill	6	01/03/2020	1	E-Services Presentation	BECSE students presented on E-Services	60

2020	Nill	6	02/05/2020	1	Webinar on "Coping After COVID 19: A New Era for Students Academicians"	How to cope with post Covid-19 era	50
2020	Nill	6	14/03/2020	1	Corona Virus Awareness Program	An awareness program was conducted for all the divisions of F.Y B.Tech students by enGENEers and leaflets, hand wash samples were distributed to all HOD's of various departments, Director of KITCOEK	32
2020	Nill	6	21/04/2020	1	Covid Awareness QUIZ	Organized Covid 19 awareness QUIZ for faculties	79

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Academic Rules and Regulations (UP PG)	01/07/2019	All the academic related rules and regulations, roles and responsibilities of

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
21 Days Induction Programme as per AICTE Norms for FY students	01/08/2019	21/08/2019	746
Inspirational Talk on "Kargil War and Opportunities for Engineers in Defence"	05/10/2019	05/10/2019	200
Organized Exhibition of books on and by Swami Vivekanand	21/01/2020	21/01/2020	500
Session on Internship with Global Multinational Companies	04/05/2020	04/05/2020	60
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. 1000 trees were planted in the campus under "One student One Tree Drive" as per AICTE requirement on dates 21, 24, 25 the Sept 2019 as jointly venture of college. 2. 300 trees were planted under "Miyawaki plantation" Sept, Oct 2019 by Institute. 3. Depth of farm pond has been increased by 10 feet resulting in increase of ground water recharge potential around 20 the activity was done joint with Civil department. 4. E-waste- reduce, reuse and recycle continuously has been done in all departments. 5. Rainwater conservation practices in campus through continuous deepening of farm pond in front of KIT Boys hostel. 6. Gulley plugging with provision of Check Dams on the water stream on upstream side of existing well in the campus. 7. Campus cleanliness drive 8. Digitization of Central HoD/Dean meetings (Notice, Agenda, Minutes shared through email) and other important circulars and notices (over WhatsApp)

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 1.Title of the Practice: V-Lab Nodal Centre under NMEICT of ME (MHRD), New Delhi Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur is registered as V-Lab Nodal Centre (NC 08) under College of Engineering Pune. Virtual Labs project is an initiative of Ministry of Human Resource Development (MHRD), Government of India under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a paradigm shift in ICT-based education. Under Virtual Labs project, over 120 Virtual Labs consisting of approximately 900 web-enabled experiments were designed for remote-operation and viewing. The Virtual Labs are being jointly developed by IIT Delhi, IIT Bombay, IIT Madras, IIT Guwahati, IIT Roorkee, IIT Kanpur, IIT

Kharagpur, IIIT Hyderabad, Amrita Vishwa Vidyapeetham Coimbatore, College of Engineering Pune, Dayalbagh Educational Institute Agra and NITK Surathkal. 2. Objectives of the Practice 1. To provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars. 2. To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation. 3. To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation. 4. To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distances. 3.The Context Traditional lab training is challenging, can be dangerous, or even impossible in some cases. Therefore, Virtual Lab will be the best solution to above problems. Virtual labs help build a realistic learning environment so that learners get complete training and are more prepared. 4.The Practice In initial stage, this practice was carried out in the following flow: 1.Being an NMEICT-MHRD initiative, MoU for Virtual Lab with COEP for KITCoEK as a Nodal Center was signed. 2.Ms. Shivani Kale, Assistant Professor, Department of Computer Science and Engineering, KITCoEK was deputed as Nodal Officer. 3.Next, to percolate the Virtual Lab activities, department wise faculty coordinators were appointed 4.Students and faculties were registered on Virtual Lab portal under KIT as Nodal Center 5.Various workshops were conducted on Importance of Virtual Lab for faculty as well as students. 6.Students and faculty participated in Virtual lab Content Development Hackathon 7.Students and faculty used Virtual Labs of different engineering discipline of different institutes such as IIT Hyderabad, IIT Dayalbagh, IIT Delhi, IIT Kharagpur, IIT Kanpur, Amrita Lab, College of Engineering, Pune, etc. 8.Virtual Lab usage report submitted to COEP after completion of every semester. 5.Evidence of Success 1.Students received online practical experience during the pandemic increasing the usage of Virtual Labs to 40. 2.Students and faculties got familiar with how Virtual Labs work and have participated and won Silver Developer Certificate for Virtual lab Content Development at BIET Jhansi in e-BOOTATHON: A National Level Hackathon for virtual content development sponsored by TEQIP-III organized by Bundelkhand Institute of Engineering and Technology, Jhansi in association with IIT Kanpur, Rajkiya Engineering College, Bandra and AKTU Lucknow. 3.The institute has started its own virtual lab content development according to curriculum by starting Virtual Lab@KITCOEK-Pre-Incubation Start Up Project under KITE in which 200 students from all departments are working. 6.Problems Encountered and Resources Required Initially, the idea of practicing virtually was quite strange for students as well as faculties as, normally, the word 'practical' denotes hands on activities. Therefore, it took some time to make them aware about the actual benefits of the Virtual Lab. Talking about resources, there is a need of a dedicated server with 24/7 internet facility so that high quality streaming takes place. Best Practice 2 1. Title of the practice:"Reconnect: Student-Alumni/Industry Dialogue Initiative" Alumni and student talk is a regular practice followed in various departments of the institute for many years. Our alumni are always interested and have great enthusiasm to share their experiences and practices in their respective fields. To bridge the gap between theoretical knowledge and actual practices on the field such alumni and students talks found very beneficial. Students get motivated to set high goals for their career after listening to these talks. 2. Objectives of the practice: 1. To reconnect with alumni and industry people for growth and development of the students. 2. To strengthen the linkage between students and alumni/industry so that the students get latest industry exposures through various activities and internships. 3. To keep students updated with the current industrial scenario and futuristic views of the industrialists. 4. The Context: Academic

and professional development and growth of the students is best possible with adequate exposure from industrial environment and professional inputs. In today'sworld,multidisciplinary approach is much required and, therefore, sharing knowledge andexperience has become essential need.In this regard, expertise of the esteemed alumni who are working in various professional/industrial contextswill broaden the student's knowledge base and vision for their career growth. Experienced alumni and senior professionals are an excellent resource to guide and nurture the budding engineers. So this initiative is expected to make good engineers, responsible citizens and progressive professionals in the coming world. 5. The Practice: Though such talks were arranged face to face previously, due to unavailability of the alumni or due to travel issues, the number of such talk was little. However, this time due to Covid-19 and subsequent lockdown, the students were at home in dilemma of how to utilize this lockdown. The present practice helped them to gain essential industry and professional knowledge from many alumni-experts working in different industries/professions by sitting at home and made them utilize this lockdown for their professional development. Most of these talks were arranged online through Zoom/Google Meet/Webex and/or Facebook/Instagram/YoutTube Live. Considering the current need in the respective domain, each department contacted the respective alumni experts from various industries/professions. The sessions were arranged by taking their availability and conveyed to the students through e-posters. The sessions were kept interactive so that the students get opportunities to talk with the experts directly and clear their doubts. After sessions, online feedback was collected to understand the relevance and benefit for the students. 6. Evidence of success: The alumni turn professionals from many well-known industries/companies voluntarily contributed in this activity. Around 50 talks were conducted wherein around 1000 students got benefitted. The details on alumni/industry expertsand topics covered are given in notes section below. Some of the comments as received in the feedback are worth sharing here. 1. Amazing session, please arrange such sessions, which are required in professional world. 2. The session was excellent, it was well needed to the aspirants entering in the professional field. 3. Conduct more webinars to gain more knowledge. 4. Would like to interact such expertise more where we can get hand with the trends in industry. 5. Thank you for these sessions in this pandemic situation. It helps me a lot to plan the next step. Due to this activity, many of our students got internship in various companies where our alumni are already working. 6. Problems encountered and Resources Required: Problems: For face to face activities, availability of the alumni expert and travelling were the major issues which were resolved in online nature. However, the online platform has its own common challenges which were faced by us also. A few of them are: 1. As most of the session were conducted from home, connectivity problems due to power failure and internet connectivity 2. Unavailability of advanced equipment such as digital camera, mike, etc. 3. Unavailability of required resources at students end. Resources required: 1.Good alumni network 2. Online platform 3. A studio with all necessary good quality digital equipment like Camera, Mic, etc. 7. Notes Details on alumni/industry experts and topics covered: (PLEASE refer the website link)

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

https://www.kitcoek.in/internal-quality-assurance-cell.php

7.3 – Institutional Distinctiveness

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

Concrete Contribution in Preventing COVID-19 The institute's Department of

Biotechnology Engineering, established in 2002, is playing a significant role in various emerging needs in the field of Biotechnology. It is the first AICTE and DTE approved department successfully running in Maharashtra. Under B.Tech. (Biotechnology) and M.Tech. (Biochemical Engineering and Biotechnology) courses the department provides research opportunities to students in various fields of Biotechnology such as Biopharmaceuticals Developments, Industrial Biotechnology, Food Biotechnology, Environmental Biotechnology, Biomedical Engineering, etc. along with fundamental research areas like genetic engineering, animal and plant biotechnology, cell and tissue engineering etc. Recently, the COVID – 19 Pandemic has shown us the importance of Biotechnology research where every Biopharma and Pharma companies are behind vaccine and drug research on COVID-19. Ahead of the major pandemic situation due to COVID-19 in India i.e. in first and second week of March 2020, the Department of Biotechnology took initiative in spreading awareness in the society around under Corona Virus Awareness Program held on 8 March 2020, the Women's Day, at The Gandhi Maidan, Kolhapur. For this, students and faculty came up with simple, common terminologies used to identify virus infection, symptoms, and made a guideline for precautions to be taken under such infections. Leaflets of guidelines were distributed along with soap and alcohol based hand wash samples to a large crowd. Use of hand wash and science behind preparation and action of it was taught during this phase to students. Also during program students of Biotechnology made people aware of viral structure, viability, and survival of virus on different surfaces, high risk group, and control measures for the same. Faculties of the department were interviewed by The Daily Lokmat, a state level newspaper, under the same program. Due to this program thousands of people from Kolhapur got well aware about the COVID-19 and its nature and started taking precautions. As one of the most recent area in research our students from Biotechnology department also took initiative for vaccine development. Our final year students working in the field of Bioinformatics in herbal drug development are working on protein of SARS-Cov 2. Not only current students, but our alumni are also contributing through their research work to overcome the pandemic disease. Mr. Rahul Patil, Executive Director, Mylab Discovery Solutions, Pvt. Ltd., Lonavla is one of the alumni of the department of Biotechnology Engineering (2006 batch) who has contributed in testing kit for COVID-19. Similarly, other alumni are working in different research and biopharmaceutical companies like Ms. Snehal Pisal (2016 batch) who is working as a team member and analyst on COVID-19 vaccine research at Sanofi Genzyme, Ireland Mr. Swapnil Ghasari (2017) who is working as Research Officer for COVID-19 Vaccine at Gennova Biopharmaceuticals Ltd., Pune and Ms. Krutika Khinvasara (2016) who works as scientific researcher at BioBtech, Mainz in mRNA vaccine domain for COVID-19.

Provide the weblink of the institution
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8.Future Plans of Actions for Next Academic Year

1. Depute faculties for attending NAAC - Revised Accreditation Framework workshops. 2. Participation in Train the Trainer activities related to accreditation and institute capacity building 3. Mentoring at least 5 nearby institutes regarding accreditation under 'Margdarshak' Scheme. 4. Arrange regional level workshop for Polytechnic faculties regarding Capacity building through NBA Process. 5. NBA Compliance of Mechanical and Environmental Engineering Department. 6. Strengthen Incubation Centre with integrated startup capacity. 7. Implementation and use of virtual lab. 8. Proposal to offer B.Tech Honors program in all disciplines. 9. Setting Industry Advisory Panel (IAP). 10. Introduce Certificate Courses during the next academic year