Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**KOLHAPUR INSTITUTE OF TECHNOLOGY'S COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR**
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	**private**
Name of the IQAC co-ordinator/Director	**Deepali Jadhav**
Phone no/Alternate Phone no.	**+919158580202**
Mobile no.	**9158580202**
Registered Email	**jadhav.deepali@kitcoek.in**
Alternate Email	**deepkjadhav80@gmail.com**

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.kitcoek.in/agnis_upload/about-kit/nacc-record/annual-quality-assurance-report%202017-18.pdf
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	**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
One Day Regional Workshop on Orientation Program on NEET and MS-CET for Junior College Faculties	29-Dec-2018 1	150
One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process for Polytechnic Faculties	29-Dec-2018 1	150
NBA of 3 Programs: Environmental Engineering, Mechanical Engineering, Biotechnology Engineering	10-Aug-2018 3	45
One Day KIT Capacity Building Workshop for Quality Assurance	17-Aug-2018 1	183
Interaction Session with Dr. R.K.Kamat, IQAC Coordinator, Shivaji University, Kolhapur	20-Jun-2018 1	20
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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
No Data Entered/Not Applicable!!!				
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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 :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[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)

One Day KIT Capacity Building Workshop for Quality Assurance on 17th Aug 2018

NBA of 3 Programs: Environmental Engineering, Mechanical Engineering, Biotechnology Engineering

One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process

One Day Regional Workshop on Orientation Program on NEET and MS-CET for Junior College Faculties

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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
3. Training for faculty members and students for PBL will be arranged throughout the entire year.	Total 7 Workshop conducted
2. Workshop for faculty for Quality Assurance will be organized in month of August.	One Day KIT Capacity Building Workshop for Quality Assurance is organized on 17th Aug 2018 in which total 183 faculties are participated
1. Academic Calendar for both semester is prepared, prior to the start of semester	Throughout the semester academic activities are conducted according to calendar.
[View File](#)	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC Commitee	23-Feb-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	2018
Date of Submission	03-Mar-2018
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)	Following systems are implemented in year 201819: 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 4. Student Attendance Monitoring System based on Contineo Software 5. Student Feedback System based on Contineo Software 6. Student Academic Semester / Year wise Results System based on Contineo Software 7. Students On Screen Examination Question Paper Evaluation System, Result Analysis System based on Contineo Software 8. Parent Portal based on Contineo Software: to inform parents about their ward's attendance and academic events as well as the examination results. 9. Faculty and Staff leave record management based on EMployee Software. 10. 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	01/07/2018
BTech	UCVL	Civil Engineering	01/07/2018
BTech	UCSE	Computer Science Engineering	01/07/2018
BTech	UELN	Electronics Engineering	01/07/2018
BTech	UENV	Environmental Engineering	01/07/2018
BTech	UITE	Information	01/07/2018

BTech	UMCH	Mechanical Engineering	01/07/2018
BTech	UPRD	Production Engineering	01/07/2018
BTech	UETC	Electronics & Telecommunication	01/07/2018
Mtech	PENV	Environmental Engineering	01/07/2018
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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	Basic Sciences Humanities	01/08/2018	Basic Mechanical Engineering - UBSH0110	01/08/2018
BTech	Basic Sciences Humanities	01/08/2018	Computer Aided Engineering Drawing - UBSH0206	01/08/2018
BTech	Biotechnology Engineering	01/07/2018	Bio-Chemistry - UBIO0304	01/07/2018
BTech	Computer Science Engineering	01/07/2018	Data Structures - UCSE0303	01/07/2018
BTech	Electronics Engineering	01/07/2018	Electronics Measurement & Instrumentation - UELN0305	01/07/2018
BTech	Elecronics & Telecommunication	01/07/2018	Analog Circuits I UETC0302	01/07/2018
BTech	Civil Engineering	01/07/2018	Surveying I - UCVL0304	01/07/2018
BTech	Environmental Engineering	01/07/2018	Computer Aided Design Laboratory - UENV0335	01/07/2018
BTech	Production Engineering	01/07/2018	Computer Aided Machine Drawing - UPRD0333	01/07/2018
BTech	Production Engineering	01/07/2018	Foundry Technology - UPRD0302	01/07/2018
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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	Computer Science and Engineering	01/08/2018
BTech	Electrical Engineering	01/08/2018
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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
No Data Entered/Not Applicable !!!		

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
Employibility Enterprneurship skill development program in collaboration with Singapore Polytechnic, Singapore	01/09/2018	30
Activities under Business Club (AUB)	01/01/2019	637
Technological Presentation Activity (TPA)	19/01/2019	821
Spoken Tutorials	01/01/2019	75
Five Days Workshop on " Total station and Geospatial Technology (GIS)	09/09/2018	25
One Day seminar on "Architectural Concrete"	03/10/2018	100
Two days National workshop on, "Structural Audit, Retrofitting and Non Destructive Testing on Concrete Structures"	04/09/2018	150
IIRS 36th 12 weeks Outreach Programme on Bascis of RS,GIS and GNSS	04/09/2018	10
IIRS 37th 2 weeks Outreach Programme on RS Digital Image analysis	04/09/2018	3
IIRS 38th 1 week Outreach Programme on Advanced geospatial modeling	04/09/2018	2

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Bascis of animal cell culture	6
BTech	Tata Power SED, Mumbai	11
BTech	Laurel Technologies Pvt. Ltd.	6
BTech	Anant Estate Developer and Builder,Kolhapur.	5
BTech	BAI	9
BTech	Bedekar builders& developers	8
BTech	S N BUILDERS & DEVELOPERS	14
BTech	Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd, Kolhapur	8
BTech	Priora Water Solutions Pvt Ltd, Pune	4
BTech	ACR MACHINING PVT LTD	4

1.3.2 – Field Projects / Internships under taken during the year

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. These feedbacks are collected during the end of the academic year (students), 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	Computer Science Engineering	120	150	126
BTech	Mechanical Engineering	120	150	122
BTech	Electronics Telecommunication Engineering	60	80	62
BTech	Electronics Engineering	60	75	57
BTech	Electrical Engineering	60	75	53
BTech	Civil Engineering	120	140	119
BTech	Environmental Engineering	60	70	44
BTech	Biotechnology	60	70	55
Mtech	Electronics Telecommunication Engineering	18	18	11
Mtech	CAD/CAM/CAE	18	18	17
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2905	155	141	15	15

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
156	156	4	41	10	5

View File of ICT Tools and resources

View File of E-resources and techniques used

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

The 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
2905	156	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
156	156	0	0	23

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Mr. S.S.Kadam	Assistant Professor	NPTEL Course Work Completed
2018	Mr. Sayaji Patil	Assistant Professor	NPTEL Course Work Completed
2018	Mr. R.C. Bhedasgaonkar	Assistant Professor	NPTEL Course Work Completed
2018	Mr. N.S.desai	Assistant Professor	NPTEL Course Work Completed
2018	Mr. H.M.Thakur	Assistant Professor	Best ISTE faculty

Year	Name	Designation	Award
			adviser 2018 award of Maharashtra Goa region
2018	Mr. B.S. Kamble	Assistant Professor	NPTEL online Certification Course In Principles of casting Technology with score of 86 and stood among top 5
2018	Mr. A. S. Patil	Assistant Professor	1st Prize in 8th National Conference on Emmerging Trends in Engineering Technology NCETET 2018 Organized by BVCOE, Kolhapur on 10th March 2018
2019	Dr.P.P.Powar	Assistant Professor	Sucessfully awarded Ph.D in Mechanical engineering fromSVNIT,Surat, under the title of Experimental studies and modelling of surface roughness and tool wear during turning operation under minimum quantity lubrication for AISI 4340 and AISI 1040.

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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	UMECH	B.E.SEMVIII	24/05/2019	03/07/2019
BTech	UMECH	T.Y SEM-VI	23/05/2019	09/06/2019
BTech	UMECH	S.Y. SEM-IV	19/05/2019	07/06/2019
BTech	UMECH	F.Y.SEM-II	17/05/2019	01/06/2019
BTech	UCSE	F.Y.SEM-II	17/05/2019	01/06/2019
BTech	UCSE	S.Y. SEM-IV	19/05/2019	07/06/2019
BTech	UCSE	T.Y SEM-VI	25/05/2019	19/08/2019
BTech	UCSE	B.E.SEM-VIII	24/05/2019	31/07/2019

BTech	UETC	F.Y.SEM-II	17/05/2019	01/06/2019
BTech	UETC	S.Y. SEM-IV	19/05/2019	07/06/2019
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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
179	36102	0.50

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)

Program outcomes, program specific outcomes (Included in each departments website tab): https://www.kitcoek.in/ Course outcomes link (Included in syllabus pdf): https://www.kitcoek.in/online-syllabus.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
UBIO	BTech	Biotechnology	31	30	96.77
UENV	BTech	Environmental Engg.	58	54	93.10
UCVL	BTech	Civil	134	100	74.62
UELN	BTech	Electronics Engg.	71	69	97.69
UETC	BTech	Electronics Telecommunication Engg	67	60	89.55
UPRD	BTech	Production engg	71	71	100
UMECH	BTech	Mechanical Engg.	140	120	85.71
UCSE	BTech	Computer Science Engg.	80	76	95
UITE	BTech	Information technology	74	72	97
UMECH	BTech	Mechanical Engg.	140	120	85.71
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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/internal-quality-assurance-cell.php

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr. U. S. Bhapkar
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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
International	Dr. Ganesh S. Kamble	Post Doctoral Research Fellowship	01/06/2018	Ministry of Science and Technology, P.R. China
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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
Students Research Projects (Other than compulsory by the University)	365	PMC Bank	0.03	0.03
Minor Projects	365	Shivaji UNiversity	0.1	0.1
Minor Projects	365	Research sensitization Scheme for college students, Shivaji University,Kolhapur	0.4	0.4
Minor Projects	730	Shivaji University, Kolhapur	0.55	0.55
Major Projects	730	Shivaji University, Kolhapur	2.35	2.35
Major Projects	730	Shivaji University,	2.5	2.5

		Kolhapur		
Major Projects	730	Shivaji University, Kolhapur	3.05	2.77
Major Projects	10	National Institute of Urban Affairs, New Delhi	11.4	11.4
Major Projects	365	Shivaji University, RIS	11.9	11.9
Major Projects	730	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

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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
FDP on "Cyber Security and Data Science " under PMMMNMTT organized by Shivaji University ,Kolhapur and KITCOEK with RUSA Maharashtra	Computer Science and Engineering	31/01/2019
Workshop under Google Club Python 3	Computer Science and Engineering	17/03/2019
Workshop under Google Club Cloud Computing Quiklabs	Computer Science and Engineering	30/07/2018
Live Facebook Session : Indias First Leadership Talk	Mechanical Engineering	24/01/2019
Live Facebook Session : Indias First Leadership Talk	Mechanical Engineering	08/01/2019
Intellectual Property Rights - Patent Filling Process	Mechanical Engineering	10/01/2019
Innovation Patents, Branding Trademark, Entrepreneureship Digital Eye etc. - Live Facebook Session	Mechanical Engineering	10/01/2019
Orientation Program Conducted for Workshop and Awareness Camp	Mechanical Engineering	17/07/2018

related Enterpreneur Skill Development			
Successful Stragies For Students and Industry people at KITCOEK under CII and ED CELL	Mechanical Engineering	08/08/2018	
Workshop on "PLC programming" organized under IETE, Ms. Shruti Korane, SCADA Technology, Pune	Electronics and Telecommunication Engineering	06/10/2018	
One week ISTE, IETE approved STTP for faculty on "Emerging trends in Signal Processing"	Electronics and Telecommunication Engineering	08/01/2019	
Guest lecture on "Machine learning" organized under IETE	Electronics and Telecommunication Engineering	09/01/2019	
Seminar for TE students on "Recent trends in wireless communication" organized under IETE	Electronics and Telecommunication Engineering	10/01/2019	
Guest lecture on "Research paper writing and patent filing" organized under IETE	Electronics and Telecommunication Engineering	12/01/2019	
Two Days Value added Workshop on "PCB Designing" organized under IETE	Electronics and Telecommunication Engineering	02/02/2019	
Two Days Workshop on "Arduino" organized under IETE	Electronics and Telecommunication Engineering	17/03/2019	
Guest lecture on "Embedded System",	Electronics and Telecommunication Engineering	02/08/2018	

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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
Mulching paper laying machine	Miss Prajkta Durgawale	DIPEX	05/03/2019	Won 1st Prize
Project Competition (Technotsav 2019)	Mr.Ubaid Shaikh, Sushant More, Nihal Jamadar and Omkar Varne	DYPCOEK	14/03/2019	Won 2nd Prize
Weeder and Sprayer Machine	Neeraj Kestikar, Prithiviraj D. Shinde Patil, Omkar A.Mali	Anveshana 2019 Science and Engineering Fair organised by Anveshana	18/02/2019	Won 2nd Prize

and Kirtiraj R.Ingavale	International Foundation, Mumbai			
Best research project award (B.E.I.T students)	Prajwal Patil, Pradip Katkar, Vikas Yedave, Suraj Yejare	Seed Research Funds ,SUK	09/10/2018	Best Research Project

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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
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Production Engineering	2

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)
International	Computer Science and Engineering	6	5.39
International	Production engineering	6	4.5
International	Information Technology	1	4.09
International	Information Technology	2	5.87
International	Electronics and Telecommunication	4	5.01
International	Environmental Engineering	10	5.17

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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
Computer Science and Engineering	1
Information Technology	1
Biotech Engineering	3
Electronics and Telecommunication Engineering	2
Electronics Engineering	4

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Identification of an ideal structure for water conservation in rural areas using SWAT model	Published	201821047989 A,	08/12/2018
Effects of Nano Material on COD of Waste Water	Published	201921018867A	07/06/2019
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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
Cluster Head Selection for Energy Efficient and Delayless Routing in Wireless Sensor Network	Dr. Amit Sarkar	Springer US	2019	48	KITCOEK	48
Analysis of process parameters in wire edm with stainless steel 410 using topsis method	Dr.G.R. Naik	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	1	KITCOEK	1
Natural language interface for querying hardware and software configuration of a local area network	Dr.G.R. Naik	Int. J. Comput. Sci. Eng	2019	1	KITCOEK	1
Performance of composite steel-	Dr. Vilas V. Karjinni	The Indian Concrete Journal	2018	4	KITCOEK	4

concrete shear walls with encased vertical steel sections			

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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
Cluster Head Selection for Energy Efficient and Delayless Routing in Wireless Sensor Network	Dr. Amit Sarkar	Springer US	2019	4	48	KITCOEK
Design and Investigation of compact microstrip patch array antennas for narrowband applications	Dr. Mrs. S. R. Chougule	Springer and 3rd International conference ICACIE 22-24 Dec. 2018,SOA Deemrd University Bhubaneswar, India	2018	3	0	KITCOEK
Natural language interface for querying hardware and software configuration of a local area network	Dr.G.R. Naik	Int. J. Comput. Sci. Eng	2019	8	1	KITCOEK
Performance of composite steel-concrete shear walls with	Dr. Vilas V. Karjinni	The Indian Concrete Journal	2018	5	4	KITCOEK

encased vertical steel sections				

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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	0	112	2	33
Presented papers	10	2	0	0
Resource persons	0	1	0	5

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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)
Computer Science and Engineering	Online Exam	IICAR,CAIIB,VIT vellore,Mahagenco,Railway Protection Force,TIBF,IDBI Bank,Prathamik Shikshak Bank etc.	256800
Civil	Development of Chitranagari Kolhapur	Dy Engineer MIDC Kagal Sub Division Chitrangari of Torsteel	20900
Civil	Road Project	ShriNarsinh Construction	49800
Civil	Road Project	Mahesh B. Bhosale	9000
Civil	Zp Rural Water Supply	Dy. Engineers ZP Rural water Supply	1500
Civil	Development of Chitranagari Kolhapur	Nilesh Laxman Patil	2000
Civil	Road Project	Yuvaraj Yashwant Patil Contractor	27600
Civil	Government Road Project	Karan Earthmovers	242040
Civil	Private Building Project	The Manager M/s Rajesh Raghuvir Mantri Mumbai	67000
Civil	Road Project	ShriNarsinh Construction	10000

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Mechanical	PMKVY	Mechanical Sector	321563	125
Civil	PMKVY- Construction Laboratory Field Technician	Construction sector	127500	25
Computer Science and Engineering	PMKVY	Software Sector	286350	75
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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
IIRS 33rd Outreach Programme on Advanced Image analysis	ISRO-IIRS	1	2
One day Workshop on"Geospatial Technologies and Sendai framework for Disaster risk reduction"	ISRO-IIRS	1	99
IIRS 34th Outreach Programme on "Geospatial Inputs for Enabling Master Plan Formulation under AMRUT Sub- scheme"	ISRO-IIRS	1	16
IIRS 35th Outreach Programme on Advanced geospatial modelling	ISRO-IIRS	1	24
IIRS 36th Outreach Programme on Bascis of RS,GIS and GNSS	ISRO-IIRS	1	9
IIRS 37th Outreach Programme on RS Digital Image analysis	ISRO-IIRS	1	2
IIRS 38th Outreach Programme on Advanced geospatial	ISRO-IIRS	1	1

modelling			
TREE PLANTATION ACTIVITYIN COLLEGE CAMPUS	NSS	4	50
Visit to Anath Ashram	ASSET (Student Association of ETC)	5	6
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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
Ganesh Idol Donation Camp	Civil Engineering Students Association (CESA)	Ganesh Idol Donation Activity at different places in Kolhapur Town for Reducing Pollution of River Well Water	8	60
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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
Technical seminar	110	CREDAI, Kolhapur and KIT	1
Technical workshop	108	IEI, Kolhapur and KIT	2
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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
Internship, on-the-job	Online, offline UPS,	Deltron power,	12/08/2019	26/08/2019	02

training, project work	solar inverter, solar charger	Ujlaiwadi, kolhapur			
Internship, on-the-job training, project work	Transportation display, industrial display, industrial parameter board, electronic display boards	BIG Electronics and automation, Kolhapur	01/06/2019	30/06/2019	01
Internship, on-the-job training, project work	SMPS and PCB design	Electrosal Hi-Tech. Pvt.Ltd.	01/06/2019	30/06/2019	01
Internship, on-the-job training, project work	Manufacturing process testing of 3 phase distribution transformer	Power Engineers, MIDC, Gokul shirgaon, kolhapur	03/08/2019	17/08/2019	01
Membership	Field training	BAI, Pune	01/07/2018	31/12/2019	09
MoU	Field training	CREDAI, Kolhapur	01/07/2018	31/12/2019	16
Industry problem based research	Industrial project on bacterial isolations	Embio Ltd. Mahad	01/07/2018	31/03/2019	3
Internship	Internship	SCADA Technology Solutions Pvt. Ltd.	25/05/2018	09/06/2018	30
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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
Servo control, Belgaum	21/04/2018	Training, Research, Consultancy, Internship and placement	200
Embio Ltd.	22/10/2018	1] Industrial summer training for students and faculties 2] Job placements 3] Guest / expert lectures	20

EdGate Technologies Pvt. Ltd. Texas Instruments Innovation Centre	30/06/2019	Industrial Training, Student Development Program	27

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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
1644.4	292.8

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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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 software1.1	Fully	1.1 online	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	59612	16334656	660	412543	60272	16747199
CD & Video	1872	187200	0	0	1872	187200
Library Automation	59612	30000	660	7500	60272	37500
Weeding (hard &	1930	1158000	0	0	1930	1158000

soft)						
Others(spe cify)	1	169083	0	0	1	169083
Journals	0	3548213	102	256009	102	3804222
e-Books	0	0	9157	0	9157	0
e-Journals	0	8892348	27854	130036	27854	9022384
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. P.S.Gosavi	Introduction to Noise and Vibration	Moodle	30/01/2019
Mr. R.C.Bhedasgaonkar	Pumps and Compressors	Moodle	30/01/2019
Mr. S. S. Varur	Engg. Survey	Moodle	30/08/2018
Mr. S.G.Sawant	Project Management	Moodle	30/09/2018
		View File	

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	1483	20	100	20	0	9	10	100	20
Added	80	2	100	0	0	0	0	100	0
Total	1563	22	200	20	0	9	10	200	20

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

220 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
112	113.39	49.8	99

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

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. Academic The Lab-In charge/faculty puts up his requirement as per the pre-sanctioned budget for maintaining and utilizing of equipments 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 Committee 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 scrutinised 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.

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	Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna (EBC), Post Matric Scholarship to OBC, SBC, VJNT, Tuition Fees Examination Fees to OBC, SBC, VJNT, GoI Post-Matric Scholarship Social, Freeship	1881	88428574

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Defence Establishment Visit	04/10/2018	96	Shourya and MESCO
Defence Quiz Competition	04/09/2018	80	Shourya
Defence S.S.B.Workshop	26/02/2018	12	Rtd. Commander Sachin Jog, Pune
Yoga Day	21/06/2018	40	Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur
Personal Counselling and Mentoring	01/08/2018	2013	Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur
Yes - Art of Living	20/02/2019	200	Art of Living
Two Week Certificate Course on "Global and National Perspective of Sustainable Sanitation Approaches and Technology Interventions" organized under Sanitation Capacity Building Platform supported by National Institute of Urban Affairs, New Delhi	26/11/2018	15	National Institute of Urban Affairs, New Delhi Sanitation Capacity Building Platform, New Delhi Ecosan Foundation Pune Kolhapur Institute of Technology's College of Engineering, Kolhapur
Two Days International Workshop on "Recent Advances in Pavement Material, Construction and Evaluation	04/03/2019	130	Harmaya University, Ethiopia, Kolhapur Institute of Technology's College of Engineering, Kolhapur
Internal Auditor	31/03/2019	24	SGS India Pvt. Ltd.

Programme – Integrated Management System (ISO 14001: 2015, ISO 45001: 2018)				Pune
Defence S.S.B.Workshop	01/01/2019	10		Rtd. Commander Sachin Jog, Pune

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Reinvent Design Technologies	0	40	0	11
2019	Career Counselling	18	31	11	16
2018	India First Leadership Talk Series Episode 1 on "India First Leadership Talk Series" under MHRD's Institutional Innovation Council	0	120	0	43
2019	Seminar on GATE AND IES Preparation	120	0	1	0
2018	Motivational Talk on "Work Culture in IT industry	0	120	0	0

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof	Number of	Number of	Nameof	Number of	Number of

organizations visited	students participated	stduents placed	organizations visited	students participated	stduents placed
GE India Industrial Pvt Ltd, Pune	15	2	Hydrosphere Envirotech Pvt Ltd. Navi Mumbai	1	1

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	Dept. of Tech. Shivaji University Kolhapur	M Tech (Food Tech)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	Amity University Mumbai	M Tech (Food Tech)
2019	2	BE Biotechnology Engineering	Biotechnology Engineering Department	ICT Mumbai	M Tech (Pharmaceutical Biotech.)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	IIT Madras	M Tech (Bioprocess Engg.)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	IIT Delhi	M.S. (Biochemical engg. And Biotech.)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	ICT Mumbai	M Tech (Bioprocess Technology)
2019	1	BE Biotechnology Engineering	Biotechnology Engineering Department	IIT Guwahati	M Tech (Bioprocess Technology)
2019	3	BE Environmental Engineering	Environmental Engineering Department	National Institute of Construction Management and Research	Post Graduate Programme in Health, Safety and Environment Management (PGP – HSEM)
2019	1	BE Environmental Engineering	Environmental Engineering	Walchand College of Engineering,	M. Tech. Environmental Engineering

2019	2	BE Environmental Engineering	Environmental Engineering Department	University of Salford, Manchester, UK	MSc Safety, Health and Environment

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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	6
GRE	1
TOFEL	2
Any Other	6

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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
Annual Gathering - MERAKI	Institute Level	500
Annual Sports Day	Institute Level	150
Shooting Competition	Interzonal	68

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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
2018	2nd Prize - Natyamanch Vibrant	National	0	1	1718000142 1617020051 2016084954 2016084776 2016085303	Mr. Nachiket Panaskar Civil Mr. Shubham Patil Ms. Pranjali Punekar Mech Ms. Pranali Parit Mr. Sidhhit Nabar Prod
2018	1st Prize - Veer Savarkar Vaktrutva Competition	International	0	1	1718000299	Ms. Swarada Phadnis ENTC
2018	1st Prize - Maharashtra State	National	0	1	1718000299 1718000142 2016085303	Ms. Swarada Phadnis

	Houshi State Level Competition					Mr. Nachiket Panaskar Civil Mr. Siddhit Nabar Prod
2018	1st Prize – D B Patil Vaktrutva Competition	National	0	1	718000299	Ms. Swarada Phadnis ENTC
2018	Silver Medal – Chess Tournament, West Zone	National	1	0	201608484	Ms. Shruti Gurav ENTC Ms. Gayatri Jadhav
2018	3rd Prize – Dajikaka Gadgil Karandak Pune	National	0	1	1718000142	Mr. Nachiket Panaskar Civil

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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 2018-19 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 2018-19. Student Council 2018-19 Representatives- 1. Ms. Pradnya Vivekanand Pise – Academic Topper FE 2. Ms. Shreya Murlidhar Desai - Academic Topper SE 3. Mr. Neeraj Satish Kestikar - Academic Topper TE 4. Ms. Pinky Kanaram Saran - Academic Topper BE 5. Mr. Pratik Rajendra Patil – Sports 6. Mr. Sourabh Balkrishna Adate – NSS and Adult Education 7. Ms. Sayali Sunil Kulkarni – Ladies Representative 8. Ms. Deepti Sham Thombare - Ladies Representative Internal Quality Assurance Cell Student Representatives- 1. Mr. Karan R. Powar Anti Ragging Committee Student Representatives – 1. Mr. Amar Diliprao Pawar 2. Ms. Sayali S. Kulkarni 3. Ms. Nisha Sanjay Barge 4. Mr. Shubham S. Buddhe

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) :

13000

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 etc. Following are the details of Alumni Meeting conducted in year 2018-19 at different departments. • Alumni meet was organised at Electronics and Telecommunication Engineering Department on 01/09/2018. 23 no. of alumni were participated for this meet. • Environmental Engineering Department had also conducted Alumni Meet on 16/03/2019. 26 no. of Alumni from different batches were present for this Alumni Meet. Interactions were held about alumni's journey in professional life as well as about field requirements from environmental graduates. • Another Alumni Meet was held at Electronics Engineering Department on 01/06/2019. Alumni from 1994 batch were invited for this Alumni Meet. 38 no. of alumni were marked their presence for this meet. This batch have gifted EPSON work force M205 to the department. Alumni contributed 13,000/- Rs. for the betterment of 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, Controller of Examination , Registrar and TP Officer . 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 Production Engineering, Head Electronics 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. 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
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.
Library, ICT and Physical Infrastructure / Instrumentation	Library : 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 (Special Dissemination of Information) are the special facilities of Central Library for the benefit of stakeholders. 3.For enrichment of knowledge, subscription of J-Gate and Knowledge Hub Digital library e-resource worth Rs. 1.30 Lakhs, 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.2.56 Lakhs and 1422 Books worth Rs.5.72 Lakhs are procured during 2018-19 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 660 volumes newly added. ICT facilities: 1.ICT has been improved by adding 100 Mbps bandwidth for internet facilities. 20 Mbps bundled VPN over OFC has been added as an alternative source for internet 2.10 classrooms equipped with Smart TV 3. 43 LCD Projectors Almost 70 classrooms are provided with LCD and Wifi/LAN for ICT enabled classrooms. 4.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 Papers , attendance of students, test performance of students are uploaded on the Moodle /Contineo software platform by the faculty.Faculty members, staff and students register for Webinars, NPTEL /Swayam moocs / Lectures /Videos , Soft Skill Development Programs etc 5.Students feedback is conducted centrally as a online process on Contineo. 6. Parents can log in and see their wards attendance records, answer books , results through the Parents Portal on Contineo software. 7. Students can log in and see their assessed answer books through Paper-showing schedule. 8.CSE/IT departments have developed their own link for ICT based resources to students. 9.ICT based Moodle is being used by teachers for E-content development. Infrastructure/Instrumentation: Physical Infrastructure- New 5 laboratories were added with latest state of the art facilities for student's practical performance and in line with Project based learning pedagogue.New addition in Infrastructure is 5 laboratories and budget utilized for infrastructure is Rs.292.80 lacs .
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.
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 among 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 doing 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 move forward in the direction of Product Development, Seed money is provided for the final year best innovative projects of all the programs. Every year at the end of academic year project exhibition is held for all the programs and best projects have been awarded during graduation day ceremony. Further, for awarded projects guidance for commercialization and patent filing is provided. 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 2018-2019 funding proposal submitted throughout the year is worth Rs. 10 Crore plus and funds received is Rs 72,00,250/-/-

| Teaching and Learning | 1.The Academic Calendar is developed by Dean Academics for FY, SY B Tech Classes and FY,SY M Tech classes for 2018-19. 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 2018-19. 3. The Academic Calendar of Third Year and 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 Papers , 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, Parent-Teacher association and various feedback mechanisms is considered for improvising the teaching-learning .
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 of 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

	Programs. 4. Project Based Learning (PBL) implemented for One course in every semester of First Year and Second Year of all UG Programs to develop problem solving skills, technical empowerment of students through project design and development . 5. Use of smart TV enables students and teachers to learn in innovative and interactive ways.
Examination and Evaluation	The Controller of Examination and the Board of Examinations (BOE) decide the policies regarding Conduct of Examinations and process of evaluation. The strategies adopted are as follows. 1.The Student Academic Semester / Year wise Results System based on Contineo Software. 2.Students On Screen Examination - Question Paper Evaluation System , Result Analysis System based on Contineo Software. 3.100 transparent system of Students paper showing activity as per he declared schedule based on Contineo Software. 4.Parent Portal based on Contineo Software : to inform parents about their ward's attendance and academic events as well as the examination results.
Industry Interaction / Collaboration	The Institute has a well established Industry Institute Interaction cell with a central III Coordinator and each Program having a program III Coordinator. Various activities are carried out under the Industry Institute Interaction cell which include • Industrial Training for students • Industrial training for faculty • Internships for the students • Industry sponsored projects • Industrial visits • Expert lectures from Industry- Both Technical and HR • R D and Consultancy projects under taken by faculty for Industry. In addition to MOU's signed by the Institute ad Departments in the earlier years the following MOU's were signed during the current year. 1.Kolhapur Dudh Utpadak Sang- Gokul Dudh -MOU signed on 27th July 2018 for the purpose of Industrial exposure- Consultancy- R D 2.CTFI- Vishvaniketan- Network, Kumbhivali, Tal- Khalapur, Dist- Raigad -MOU signed on 3rd October 2018 for the purpose of Project Based Learning, Project Exhibitions, Conferences, Internships 3.6 Sigma Foundation for Engineering Research,

	Kolhapur-MOU signed on 11th September 2019 for the purpose to get Sponsorships for projects and to conduct Practical's for students

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

E-governace area	Details
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,
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.
Planning and Development	1. To develop the Department specific Laboratories required for Electrical Engineering Department. 2.To initiate the activities of Incubation Center 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) Center in KIT 5. To start a new program M Tech (Civil and Structures)
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 bill, salaries, etc. are made online
Examination	1. In an Academic year total three examinations per semester are centrally conducted by the Examination cell such as MSE, ESE, makeup and 100 examination of Summer term . 2.The examination are conducted under Senior Supervisor as per rules defined by Academic Council.

After the exam is over the answer scripts are sealed and transferred to cutting and scanning facility. 3.The process of evaluation is an on-screen evaluation., the answer scripts are scanned and saved into PDF format. The generated PDF copies are allocated to the course wise assigned evaluators randomly. 4. Once the evaluation of all the courses is completed by evaluators then 100 paper showing schedule to students is carried out by concerned department. 5.The format of submission of In Semester Evaluation (ISE) marks is decided by the Board of Examination/Academic Council and the concerned faculty submits the marks accordingly. 6. Results are generated and declared by Examination Cell within five to six days after completion of assessment,Grade Moderation of an examination.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr.Y.M.Patil	----	IETE	6000
2018	Dr. Mrs. M.R.Dixit	----	IETE	6000
2018	Dr.Mrs. S.R.Chougule	----	IETE	6000
2018	Mr.A.R.Nigavekar	----	IETE	6000
2018	Mrs. A. A. Shinde	----	IETE	6000
2019	Deepali K. Jadhav	FDP on Machine Learning Artificial Intelligence at GCE Karad(10-14 June 2019)	TEQUIP III	2000
2019	Ranjeeta B. Pandhare	FDP on Machine Learning Artificial Intelligence at GCE Karad(10-14 June 2019)	TEQUIP III	2000
2019	Ms Richa Belgaonkar	Hands on experimentation in deep	ISTE	2000

2019	Rabade Sandip S.	NPTEL online Certification Course	NPTEL	1100
2019	Pujari Jambukeshwar	FDP on Machine Learning Artificial Intelligence at GCE Karad(10-14 June 2019)	TEQUIP III	2000

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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	Faculty Development Programme in Cyber Security and Data Sciences (PMMMNMTT)		31/01/2019	06/02/2019	54	0
2018	KIT capacity building for quality assurance		17/08/2018	18/08/2018	154	0
2019	Emerging Trends in Signal Processing		08/01/2019	12/01/2019	27	0
2018	One day Workshop on "Geospatial Technologies and Sendai framework for Disaster risk reduction"		10/07/2018	10/07/2018	28	0
2018	Two days National		04/09/2018	05/09/2018	28	0

	workshop on, "Structural Audit, Retrofitting and Non Destructive Testing on Concrete Structures"					
2018	One Day seminar on "Architectural Concrete"		03/10/2018	03/10/2018	25	0
2018	One Day Seminar/Workshop on "River Pollution and Technology" organized in association with Kirloskar oil Engines Pvt. Ltd. under Vasundhara Film Festival		04/10/2018	04/10/2018	15	2
2018	Two Week Certificate Course on "Global and National Perspective of Sustainable Sanitation Approaches and Technology Interventions" organized under Sanitation Capacity Building Platform supported by National		26/11/2018	08/12/2018	15	2

	Institute of Urban Affairs, New Delhi and F					
2019	Two Days International Workshop on "Recent Advances in Pavement Material, Construction and Evaluation		04/03/2019	05/03/2019	6	0

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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
Two days workshop on Improving Outcomes of Problem and Project based learning methods	29	27/03/2019	28/03/2019	2
Sructural Audit, Retrofitting and NDT on Concrete Structures	5	04/09/2018	05/09/2018	2
Finite Element Analysis and its Field Applications	6	11/06/2019	15/06/2019	5
Two days workshop on Design and Development of Curriculum in PBL	27	20/12/2019	21/12/2019	2
Recent Advances in Pavement Material,Construction and Evaluation	12	04/03/2019	05/03/2019	2

| One Week FDP on Machine Learning Artificial Intelligence at GCE Karad, TEQIP-III | 15 | 10/06/2019 | 14/06/2019 | 5 |
| One day workshop on "Stepping towards Problem and project based learning- An Introductory workshop" | 60 | 24/10/2018 | 24/10/2018 | 1 |

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
186	186	101	101

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Total 7 Welfare Schemes – • Deputation of faculty for full time PG and Ph.D. programs 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.	Total 6 Welfare schemes : 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.	Total 3 Welfare schemes: 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)

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
AARHUS University Denmark	8000000	Erasmus Project for Capacity building in the field of higher Education
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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		Yes	Dean Academics
Administrative	No		Yes	Registrar

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

1. Parent-Teacher meets are conducted by CSE Department on 7th July , 2018 ,9th September, 2018,16th February, 2019 2. Parent Teacher meets are conducted by Mechanical and Production Engineering Departments every semester to make aware the new introduction, improvement and new policies 3. Parent Teacher meet conducted by Civil Engineering Department on 9 September 2018 through which a) Students Internship was arranged by distinguished parents representing Professional associations ,b) 16 students participated in Internship activity jointly organised by Civil engineering Department and CREDAI, Kolhapur for academic year 2018-19. Parents of civil engineering students are associated with CREDAI kolhapur. Second Parents meet was organized by Civil engineering Department on 16 March 2019 to interact on students performance and collect feedback from parents . 4.First year Department, Electronics, ETC, Biotech ,Mechanical Departments have organized parents meets to inform parents about their wards progress, to felicitate Toppers , students with co-curricular and sports achievements,Final year placed students.

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

No Data Entered/Not Applicable !!!

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

1. 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 B Tech students. 2.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Interaction Session with Dr. R.K.Kamat, IQAC Coordinator, Shivaji University, Kolhapur	20/06/2018	20/06/2018	20/06/2018	20
2018	One Day KIT Capacity Building Workshop for Quality Assurance	17/08/2018	17/08/2018	17/08/2018	183
2018	NBA of 3 Programs: Environmental Engineering, Mechanical Engineering, Biotechnology Engineering	10/08/2018	10/08/2018	12/08/2018	45
2018	One Day Regional Workshop on Capacity Building of Polytechnic through NBA Process for Polytechnic Faculties	29/12/2018	29/12/2018	29/12/2018	150
2018	One Day Regional Workshop on Orientation Program on NEET and MS-CET for Junior College Faculties	22/12/2018	29/12/2018	29/12/2018	150

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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
Symposium on Gender Equality	02/08/2018	22/08/2018	194	454
Membership of Society of Women Engineers – SWE	14/06/2018	30/06/2018	50	0

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. Two Week Certificate Course on "Global and National Perspective of Sustainable Sanitation Approaches and Technology Interventions" organized under Sanitation Capacity Building Platform supported by National Institute of Urban Affairs, New Delhi and Funded by Bill and Melinda Gates Foundation. (26th November to 8th December, 2018). 2. One Day Seminar/Workshop on "River Pollution and Technology" organized in association with Kirloskar oil Engines Pvt. Ltd. under Vasundhara Film Festival. (4th October, 2018) 3. Seminar on, "Plastic Pollution and Awareness" by Mr. Milind Pagare (23rd August, 2018). 4. Ganesh Idol Donation Camps (17 September, 2018) 5. TEDxGlobal Day: Cleaning of Panchganga Ghat (Post Ganesh Festival) (20th September, 2018) 6. Air and Noise Quality Monitoring Campaign (23 September 2018) 7. Tree Plantation Campaign (30th September, 2018) 8. Cleanliness Drive at KIT Campus (2nd October, 2018) 9. ISS Solar Transit Shoot organized at KITCoEK (4th March, 2019) 10. Water Quality Testing of Panchaganga river and Jayanti river (05 to 10 may 2019)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	0
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	0	01/07/2018	90	watershed management techniq	Rainwater conservation	84

						ues	practices in campus through continuous deepening of farm pond in front of KIT Boys hostel. This helped to increase the ground water level as well as the water level in the existing well in the campus.	
2018	0	6	01/07/2018	30		Social Innovation	1)Garbage Collection Container field annunciation 2) Medical waste segregation cost estimation and disposal using WI-FI. 3)Plastic waste bottle disposal 4) Self destruction syringe 5) Development of software to identify banned medicines for public 6)	26

| 2019 | 1 | 0 | 02/02/2019 | 1 | TEDxKITCoEK: Bird Watching Activity at Rankala | Creating awareness amongst laymen about birds and their world | 52 |
| 2019 | 0 | 1 | 31/03/2019 | 1 | Visit to Vandur Village Tal-Kagal , under community services activity | Creating awareness in citizen about varies E-Services provide by state and central Govt. | 82 |

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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)	01/07/2018	All the academic related rules and regulations, roles and responsibilities of faculty and staff are provided in this handbook which is available on the institute website.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Motivational Talk on "Work Culture in IT industry" by Mr. Sagar Patil, Co-Founder of Ressy and Master Tech Works	11/08/2018	11/08/2018	58
Guest lecture by PESA on ETHICS	05/09/2018	05/09/2018	70
21 Days Induction Programme as per AICTE Norms for FY students	01/08/2018	21/08/2018	648
Yes Workshop (Art of Living)	17/01/2019	24/02/2019	120

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

1. Tree plantation: 60 different types of trees are planted and survived in the campus 2. Rain water harvesting 3. Campus cleanliness drive 4. Digitization of Central HoD/Dean meetings (Notice, Agenda, Minutes shared through email) and other important circulars and notices (over WhatsApp) 5. Regular classification and disposal of waste sponsored by TATA Technology 6. Ventilated classrooms and laboratories with sufficient natural light to minimize the consumption of electricity

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Ready Engineer Programme supported by Tata Technologies, Pune Objectives: To make Engineers Industry-ready by training them on engineering fundamentals and concepts, applications and contemporary technologies in the Automotive Design domain and soft skills to enhance their awareness and to enhance technical skills of engineering graduates to improve their employability and reduce the time and resource spent by companies on re-training graduate engineers when they join the organization. The Context: The industry in India routinely faces an acute shortage of competent engineers who are employable or industry-ready to immediately deliver on engineering services projects after graduating. The course is designed especially to train young engineers, in a classroom way, but will involve a practical approach. These ready engineers are easily picked up by the industry. The Practice The college conducts Distance Ready Engineer programme in association with TATA Technologies for students appearing in Third Year. The program is implemented as part of CSR initiatives of TATA Technologies and our institution has been identified as Lead organization. The programme is divided into 5 Phases. Phase 1: Enrollment This includes enrollment of Third Year Mechanical/Production Engineering students based on guidelines provided by Tata Technologies. The shortlisted Students are registered on the Ready Engineer exclusive portal within the set deadline. Phase 2: Tests and Training a. AMPI (Personality Inventory): This test is conducted post enrollment stage for all the shortlisted students. Understanding how a candidate will behave in various situations can determine his or her success in performing specific roles. AMPI is a contemporary five-factor model of personality also commonly known as the Big Five model. It measures five broad traits like Extraversion, Conscientiousness, Emotional Stability, Emotional Stability and Emotional Stability. b. AMCAT (Common Aptitude Test): is conducted for all the shortlisted students. c. Detailed score card and individual report shall be provided to each student Students are further advised to improve upon their week areas with the help of the various reference training links provided. Phase 3: Soft Skill Training Soft Skill training is provided to all the enrolled students. Over 96 topics are covered through 6 programmes. All this soft skill training is provided through Cracking Platform through individual login account. Phase 4: Technical Domain Training The faculty members of the department give 80 hours of classroom training related to the core mechanical modules like CATIA, Styling and Product Design, Bonnet Design and Development, CAE, Formability, Die Design and Fixture Design, BIW to selected students. This course is conducted addition to regular curriculum after college hours. This course helps students gain additional knowledge in the area of automotive design thus building confidence which helps them facing campus-off-campus interviews. Phase 5: Assessment and Certification Final examination is conducted at the end Semester which covers Domain course, and Soft Skills. The certificate is given to qualified students. The Ready Engineer Certificate Includes: Score in the Domain test, Attendance during the Classroom sessions of Domain course, Score in Soft Skills, AMCAT and AMPI Score Evidence of Success The success of TTL-RE programme is reflected in the results. The college stood second all over India in percentage results in final examination in past two

years (2017-18, 2018-19) with 47 and 39 Students certified as ready engineer by TATA TECHNOLOGYES. Additionally, most of the certified students have been placed in various reputed organizations in the domain of Design Engineering. One of the prominent examples is Mr. Manish Deshpande who got placed in a Japanese firm named OutSourcing Technology Co. Ltd. with annual package of 16.2 LPA. Best Practice 2 1. Title of the Practice Employability/Skill Development Programs Objectives: Taking into consideration the current process of recruitment by various corporate, where apart from Technical knowledge and skills the students are evaluated on the basis of Soft skills and aptitude competency. The institute has been facilitating the training of students to enhance the said skills and thereby employability of students. The procedure consist of a. Training in Soft skill and Aptitude (By external agency) training in Technical skill Development (By Departments by internal faculty with inputs from industry) b. Evaluation by training agency c. A third party assessment (By Co-Cubes were test series and pre-assessment tests are carried out- The pre assessment test scores are then shared with chosen industry and organization for direct recruitment) The objectives of the practice are, thus, to develop various Employability Skills in the student viz., Problem solving, Cognitive skills, Oral communication, Adaptability, Collaboration, Organizational skills, Written communication, Resume writing, practice of Interview Techniques and Group discussions, Increasing career awareness amongst the students about further education, foreign studies, competitive exams etc. Technical skill development for students from different programs is given program wise in respective areas these include, Programming in C, Java, python for students from CSE, IT, Training in Automotive electronics in collaboration with KPIT for students from Electronics and ETC, Ready Engineers training in collaboration with Tata Technologies for students from Mechanical and Production, GIS-, Total Station-, AutoDesk- Rivette- (Planning of Buildings based on climatic Conditions)- Civil Environment Engineering Students, Hands on Training program at BAIF- -in Bio Fertilizers, Microbiology etc- For students fro Bio Technology The Context: The students admitted to the institute are from various backgrounds, but the majority of them are from semi urban and rural backgrounds. As these students learn through their schooling through vernacular languages in their mother tongues which is Marathi, their, communication skills are below par. The Practice: The training program on Employability and Skill Development is conducted through the best of training agencies that are available. Evidence of Success: The practice of employability and skill development programs has helped in increasing the conversion ration through all campus placement activity. The evidences of success of the practice can be seen through Placements in MNC's like TCS, KPIT, Cap Gemini, Jade Global, SLK software, Bentley systems, to name a few and other recruiters who have visited the campus for placement activities, There is a steady increase in placement numbers over the years. -There is thus jump of around 20 in campus drives from 295 number of students placed in 2017-18 to 348 students placed in the year 2018-19. -With respect to packages offered to the students, the improvement is by 10 considering average package of Rs. 2.5 LPA in the year 2017-18 to 2.75 LPA in the year 2018-19. The training has also helped in increase in the number of students who have opted for higher studies in renowned National and International Institutes and Universities by succeeding through competitive exams like GATE, CAT, GRE/TOEFL, IELTS. Lastly, the number of students appearing and succeeding in civil services exams at National and state level has also increased.

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

Digital Assessment and Evaluation Process The institute conducts three examinations per semester centrally through the Examination Cell viz. Mid Semester Examination (MSE), End Semester Examination (ESE), Makeup Examination and one 100 Examination (Summer Term). The process of assessment and evaluation is done digitally (on-screen/online) through a specific software (Contineo from e-Sutra Solutions Pvt Ltd, Bengaluru). All the necessary requirements of this process such as cutting machines, scanning machines, computers, LAN connectivity, CC TV, etc., are made available. After the examination, the answer scripts are assigned with a unique QR code so that students' identity is hidden. After that, they are scanned and converted into PDF with the help of high quality scanners along with unique code and sent for on screen assessment randomly to the assessors. The assessors are provided with unique user name and password. The model answer sheet of the respective question paper is also displayed on monitor during assessment for the assessor's convenience. Question and sub question wise marks obtained by the students are entered online and are taken for grading and final results automatically. To maintain confidentiality, the entire assessment and evaluation process is done in a separate section covered under CC TV. This process has been proven to be fast, accurate, less human intervention, ease in operation and completely transparent. Along with the assessment and evaluation, course wise monitoring about the assessment progress is also tracked and various reports are generated for the smooth and faster assessment and evaluation process. At the end, the results are generated with CO-PO mapping.

Provide the weblink of the institution
https://www.kitcoek.in/

8.Future Plans of Actions for Next Academic Year

Future Plans of action for next academic year are as follows: 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 some of the near by institutes regarding accreditation. 4. Arrange regional level workshop for Polytechnic faculties regarding Capacity building through NBA Process. 5. Increase in intake capacity of Computer Science and Engineering and Mechanical Engineering from 120 to 180 due to technological demand. 6. NBA accreditation of Electronics and Telecommunication Engineering Department.