



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		SHARAD INSTITUTE OF TECHNOLOGY COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr. Sanjay. Annaso. Khot
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		02322253000
Mobile no.		7350542020
Registered Email		contact@sitcoe.org.in
Alternate Email		phyadav@sitcoe.org.in
Address		Behind Omkareshwar Mandir, Yadrav Ichalkaranji Taluka Shirol District Kolhapur
City/Town		Yadrav
State/UT		Maharashtra



IQAC		
Recent Advances in Modeling and Optimization Techniques	01-Jun-2020 5	200
Machine Learning and Deep Learning Hands on Experiments using Python	01-Jun-2020 9	96
Advances in Civil Engineering education in post covid situation	08-Jun-2020 5	80
Data Science with R Programming	04-Jun-2020 5	151
Recent Trends in Power System	22-Jun-2020 5	442
Power Quality and Reactive Power Management	01-Jun-2020 5	449
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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mechanical Department	Workshop	TEQIP	2019 3	156500
Electrical Department	STTP-AQIS	AICTE	2019 5	357667
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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 :**

2

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)**

1.Guided for NBA accreditation 2.conducted workshops on recent technologies in respective departments 3.Guidance for conducting online lectures during pandemic situation 4.Encouraged faculty and students to participate in online coarse run by Swayam. 5.Discussed about training placement activities and motivated to increase the same

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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
Preparation for autonomy	Got autonomous status
To enhance research institute, promote faculty for publication and starting of new research centers	Management pay prize worth of 3000 Rs for publishing Scopus journal paper, For patent filing 1000, If register patent get 5000Rs. for present paper outside 50 % registration fee .In India 100% Registration fee
NBA preparation	NBA visit is scheduled for Electrical, E&Tc and Civil department.
Development of startup activity in Institute.	Startup center in institute. Organized startup Exhibition, expert talk on Business Opportunities in Extreme Future, Ideal generation Entrepreneurship Development .Ideagen project Competition and startup Acceleration program
To conduct academic and administrative audit of the Institute	Academic and administrative audit of the Institute was conducted
To promote student for internship	Some students are doing internship in different organizations
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Board of Goverenance	15-Jan-2021

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

Yes

Date of Visit

16-Jul-2016

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission	2020
Date of Submission	22-Jan-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Management information system is used to store student data ,all fees detail record of the students.It is also used for accounting and issuing various certificates and documents to students.

## Part B

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

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

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

Sharad Institute of Technology College of Engineering, Yadrav is affiliated to Shivaji University, Kolhapur. Institute follows the curriculum and academic calendar of Shivaji University Kolhapur. The institute prepares and displays the college and departmental academic calendar for each semester with reference to Shivaji University academic calendar and instructions. A faculty member is appointed as a class teacher for the class. The class teacher maintain the class teacher diary and teaching faculty members maintain the academic diaries and course files in each semester. The academic diary consists of following points: • Individual time table • Syllabus • Teaching plan • Practical /Tutorial / Assignment plan • Lecture and practical attendance record •Continuous assessment and term work record • Student counseling report • Course outcomes and program outcomes • Other information related to subject • Other activities carried out by faculty members in the semester Course file consists of following points a. Time table b. Academic Calendar: Institute c. Academic Calendar: Department calendar d. Course Details 1. Course structure 2. Course Objectives 3. Course Outcomes 4. Course Syllabus 5. List of text books 6. List of reference books 7. List of E learning Resources 8. Assignments 9. Plan for test 10. Class test papers 11. Model Answer sheet for class test paper e. Updated Lecture Notes f. Question Bank g. University Question papers(last three year minimum) h. e-learning Material i. Lecture PPT j. Multiple Choice Questions k. Content beyond syllabus notes All class teachers maintain class teacher diary from academic. The class teacher diary consists of following points: • Class time table • Details regarding academic load distribution for the class • List of Students • Syllabus completion record • List of defaulter students • Details regarding student projects • Record of guest lectures, workshops, expert lectures and industrial visits. • List of students participated in various events. Academic Monitoring Process: Sharad Institute of Technology, College of Engineering, has time table committee headed by academic dean of the institute with departmental academic in-charges. The departmental academic activities are monitored by departmental academic in-charge and head of department. The academic documents, course file and academic diaries are verified by head of the department before the commencement of semester. Academic processes are monitored by Academic Audit Committee of the institute. All the academic documents are verified and checked by academic committee time to time. The unit test I and unit test II are conducted by each

department. Proctor system: One faculty member is appointed as a proctor for the batch of 16 to 20 students for the personal counseling and other problems related to them. Faculty proctor monitors different academic and co-curricular activities. Proctors maintain the students' record. Each department every semester conducts parents' meeting to discuss and inform students' performance, academic progress and student attendance.

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

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Nil	Nil	Nil	0	0	0

### 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
No file uploaded.		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	24/08/2019
BTech	Computer Science and Engineering	24/08/2019
BTech	Electrical Engineering	24/08/2019
BTech	Electronics and Telecommunication Engineering	24/08/2019
BTech	Mechanical Engineering	24/08/2019

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

### 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
C Programming	26/09/2019	10
Robotics	03/02/2020	17
Webinar on Artificial Intelligence Deep Learning	29/06/2020	125
Object Oriented Programming-C	26/08/2019	19
PL/SQL Fundamentals	03/09/2019	37
Machine Learning	10/01/2019	83
IOT	29/01/2020	31

Industrial Automation and Solar System	23/08/2019	59
Getting Started with IoT	10/07/2019	47
Design Installation of Control Panel	14/02/2020	17
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	406
BTech	Computer Science and Engineering	154
BTech	Electrical Engineering	72
BTech	Electronics and telecommunication	384
BTech	Mechanical Engineering	475
BTech	Basic Science and Humanities	201
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## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Students are considered as main stakeholder of the institute. Students feedback is always treated as most important and valuable source for overall improvement in academic, administrative and performance of institute. Students have freedom to give their feedback and suggestions to their proctors. students are also able to speak with class teacher, HoD, principal, and management. Suggestion box are provided in different places in institute which are considered seriously. Student feedback about academics is carried out in online form twice in semester. feedback is analyzed by Dean academics and Head of the department. This helps to improve academic quality. Feedback about facilities like Canteen, Library, Hostel, Bus facility and Central Computer facility is taken regularly for the improvement in facilities provided to students. Teachers are involved in all academic and administrative decision making policies. Teachers are members of various statutory committees where they represents all faculty members. Departmental meetings are arranged twice in month where academic and administrative activities of department are discussed. Monthly meeting of all faculty members, principal and management where discussion on various issues are done. Employer feedback is taken yearly about the performance of students</p>

in industry. The gap in knowledge and skills of student is communicated to department. Necessary actions are planned and suggested for the improvement in it by IQAC. Dean IIPC monitoring the feedback activity of the employer. Alumni are the pillars of the institute. Alumni are continuously connected with the institute. many alumni are working in various statutory committees of institute as well as departmental committees where they provide their opinions and feedback for the improvement in department and institute. Yearly alumni meet is conducted in which feedback of alumni is recorded and analyzed by alumni committee and communicated to IQAC for necessary improvement and suggestion. Parents of students are in contact with department and institute. Department wise parent meets were organized twice in year. Parents, department staff and management of institutes seats together and discuss on various issues for improvement of students academic performance and placement of students.

## 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	111	111
BTech	Mechanical Engineering	180	37	37
BTech	Civil Engineering	120	26	26
BTech	Electronics & telecommunication Engineering	120	47	47
BTech	Electrical Engineering	60	33	33

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### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1958	Nil	113	Nil	Nil

### 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
113	113	100	27	6	10

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



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

An effective Student mentoring system has already been implemented in the institute. All the students of the institute come under this system as they join the institute. In the mentorship system, each mentor is assigned 15 to 20 mentees under his/her mentor ship. Mentorship form has been maintained for all the mentees by mentors. Mentors conduct periodical meetings with the mentees to know the problems or issues concerned with academics of mentees. Mentor takes care of the various issues the like attendance, academic performance, cocurricular, extracurricular activities or any other problems of assigned mentees . Mentor guides the mentees in all aspects. Students are encouraged / counseled for overall personality development and forimprovement of overall performance. If any difficulty is brought to the notice of mentor, he/she conveys it to the respective HoD for the necessary actions the HoD solves the problem at his/her level and the issues which has to be addressed at institute level are forwarded to higher authorities. Parent meets are organized frequently by the department to discuss about the overall development of mentees. Effectiveness It is observed that mentorship system implemented in our institute has resulted into overall progress of the mentees. The performance of the student has been improved and students have excelled in curricular, cocurricular and extracurricular performances. Also mentorship system has been used to motivate our students to compete for various competitive exams like GATE, CAT, UPSC, MPSC, etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1958	113	1:17

**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
113	113	Nill	16	18

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
2019	A S N Husainy	Assistant Professor	1st Prize (4th International Conference ETMN (Department of Electronic Science and Physics, Pune University and Manipal University Jaypur))
2020	A S N Husainy	Assistant Professor	Best Teacher Award
2019	P S Chougule	Assistant Professor	Best Teacher Award
2019	A S N Husainy	Assistant Professor	SPOC, Smart India Hackathon (AICTE)
2019	A A Desai	Assistant Professor	Mentor, Smart India Hackathon (AICTE)
2020	A S N Husainy	Assistant	Mentor, Smart

		Professor	India Hackathon (AICTE)
2020	Dr. A V Turukmane	Associate Professor	Recognised by Tahashil Shirol, for solving problem Statement
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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	Mechanical Engineering	2/F.Y	05/10/2019	25/06/2020
BTech	Mechani	4/S.Y	05/10/2019	23/07/2020
BTech	Mechanical Engineering	6/T.Y.	05/10/2019	23/07/2020
BTech	Civil Engineering	2/F.Y.	05/10/2019	25/06/2020
BTech	Civil Engineering	4/S.Y	05/10/2019	28/07/2020
BTech	Civil Engineering	6/T.Y.	05/10/2019	28/07/2020
BTech	Computer Science Engineering	2/F.Y	05/10/2019	26/06/2020
BTech	Computer Science Engineering	4/S.Y	05/10/2019	28/07/2020
BTech	Computer Science Engineering	6/T.Y.	05/10/2019	28/07/2020
BTech	Electrical Engineering	2/F.Y	05/10/2019	26/06/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

For internal evaluation, each department of the institute is having internal assessment committee for smooth conduct of internal tests. Department conducts test as per planned schedule and assessment is done by subject incharge. The students can see their respective answer sheets and discuss their queries with respective faculty. • The term work evaluation is done by subject incharge and it is considered as part of continuous assessment. Students can discuss their queries with subject/ lab incharge. Faculty encourages students for better performance.

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

Institute Academic year starts as per the schedule provided by Shivaji University, Kolhapur and DBATU Lonere • The head of respective department takes a meeting of faculty fifteen days prior to the commencement of semester and discusses the course structure, syllabus of the programs and their subject priorities are asked. Load distribution is made according to their subject priorities. Also the academic calendar of the department for upcoming semester is prepared which includes list of holidays, unit test time table, parents meet dates, schedule of cocurricular and extracurricular activities, assessment schedule, academic events, which is in concurrence with the university calendar. • The faculty prepare course file of their subject which includes detailed teaching/lecture plan, practical plan, subject notes, lab manual and other study material, university question papers of previous years, tutorials, assignments, e learning material etc. The course file is evaluated regularly by academic audit committee that comprises head of the departments, deans of our institute and other expert members. • All the students and faculty members are informed about time table and academic calendar well in advance. Also academic calendar and time table is displayed on our online MOODLE server and institute website. • All the information about continuous assessment process is given to the students at the beginning of semester and fortnightly report like attendance, defaulter list is displayed on the notice board. • Institute conducts two unit tests in a semester. After the result of tests, performance of the students is conveyed to students and parents. Proctor counsels and gives guidelines to the students about their academic performance. • Student evaluation is done on the basis of continuous assessment which includes attendance, unit test performance, oral exam and additional improvement work. • At the end of the semester, Shivaji University conducts examination and evaluates students' performance. Result analysis of university examination is done and necessary information is conveyed to respective faculty and IQAC for improving student's performance.

## 2.6 – Student Performance and Learning Outcomes

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

<http://sitcoe.ac.in/index.php/mechanical/mechanical-pos-pspo>

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
11241	BTech	Computer Science	69	69	100
11191	BTech	Civil Engineering	65	65	100
11293	BTech	Electrical Engineering	62	62	100
11612	BTech	Mechanical Engineering	185	184	99.46
11372	BTech	Electronics and Telecommunication	118	116	98.31

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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)

[Nil](#)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	365	Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)	47500	47500

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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Start up acceleration program	Electronics and tele communication	22/03/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
WASTE TO PRODUCT: UTILIZATION OF WASTE PLASTIC, TYRE WASTE AND FOUNDRY WASTE SAND TO CAST ECO TILE	Miss. Rachana Ramchandra Khond. Miss. Vishakha Rajendra Shete. Miss. Prarthana Prakash Shinde. Miss. Jyoti Chandrakant Turai.	Great India Hackathon (Galactic Problem Solver) Pre-qualifie	10/01/2019	GIH
INCREASING IN EFFICIENCY OF SEDIMENTATION TANK BY USING TUBE SETTLER	MISS. PURVA SANJAY PATIL MISS. SHRUSHTEE NITIN PATIL	QUANTUM20, D Y Patil Technical Campus	15/02/2020	Project Competition
Rejuvenation of Lake	1.Miss. Arpita R. Chougule 2.Mrunali A Dabade. 3.Pratiksha M Kambale	Innovation 2K20, SITCOE	03/10/2020	Project Competition

CASTING OF GREEN FENCING POST	1.MR. RUSHIKESH SURESH PARIT. 2. MR. AMIT RAJU SALUNKHE 3. MR. RAHUL APPASO SONARE 4. MR. AMIRUN SALIMSAK NALBAND 5. MS. TABSUM ASLAM MUJAWAR	DIPEX-2020	03/09/2020	Project Competition
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### 3.2.3 – 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
Startup CSharadenter	Sharad Startup Center	Sharad Institute of Technology College of Engineering, Yadrav	Eklavya Technosolutions	Electronics and it solutions	01/07/2019
Sharad Startup Center	Sharad Startup Center	Sharad Institute of Technology College of Engineering, Yadrav	Automation High-Tech	Smart Home Solutions	01/01/2020

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### 3.3 – Research Publications and Awards

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

State	National	International
0	3000	3000

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics Telecommunication Engineering	9	1.25
International	Computer	10	1.12
International	Civil Engineering	2	1.56
International	Electrical Engineerin	24	1.8

International	Mechanical Engineering	10	1.61
International	Basic Science	7	2.23
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical Engineering	5
<a href="#">View File</a>	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Optimization of Design Variables for Carbon/ Glass Hybrid Composites Laminates using the Taguchi Technique	Mr.S.D.Patil, Dr. A. M. Takale	World Journal of Engineering (WJE)	2019	29	Department of Mechanical Engineering, MAEER'S Maharashtra Institute of Technology, Pune, India and Department of Mechanical Engineering, Sharad Institute of Technology College of Engineering, Kolhapur, India	29
Optimization of Dynamic properties of Hybrid Composite Shaft with newly developed resin (NDR) using grey relational	Mr.S.D.Patil	International Journal of Structural Integrity	2019	7	Department of Mechanical Engineering, MAEER'S, Maharashtra Institute of Technology, Pune, India and Department	7

analysis					of Mechanical Engineering, Sharad Institute of Technology College of Engineering, Kolhapur, India,	
Evaluation of Bio- Fouling effect in Cooling Tower by Chemical Treatment	Dr. V.S. Hajare,Mr. A.S.N. Husainy	Internat ional Journal of Recent technology and Engine ering	Nil	17	Professor, Sharad Institute of Technol ogy, College of Engineering, Yadrav, India	Nil
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### 3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Optimization of Design Variables for Carbon/Glass Hybrid Composites Laminates using the Taguchi Technique	Mr.S.D.P atil,	World Journal of Engineering (WJE)	2019	5	Nil	Department of Mechanical Engineering, MAEER'S Maharashtra Institute of Technology, Pune, India and Department of Mechanical Engineering, Sharad Institute of Technology College of Engineering, Kolhapur, India
Optimization of	Mr.S.D.P atil	Internat ional	2019	15	Nil	Department

Dynamic properties of Hybrid Composite Shaft with newly developed resin (NDR) using grey relational analysis		Journal of Structural Integrity				of Mechanical Engineering, MAEER'S, Maharashtra Institute of Technology, Pune, India and Department of Mechanical Engineering, Sharad Institute of Technology College of Engineering, Kolhapur, India,
Evaluation of Bio-Fouling Effect in Cooling Tower by Chemical Treatment	Dr. V.S.Hajare	International Journal of Recent technology and Engineering	2019	17	Nil	Professor, Sharad Institute of Technology, College of Engineering, Yadav, India
<a href="#">View File</a>						

### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	2	47	174	Nil
No file uploaded.				

### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Yoga Day Celebration	Gymkhana	6	90
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#### 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students
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			Benefited
Global Poster Design competition (GPDC)	4th Place in India	ISHRAE, REFCOLD INDIA	2
Dipex Project competition	General Championship	Dipex	36
Dipex Project competition	1st Prize (Agricultural Category)	Dipex	6
Dipex Project competition	1st Prize (Refrigeration and Thermal Category)	Dipex	6
Smart India Hackathon	1st Prize	AICTE	4
Viswakarma Award	Participation in Regional Convention	AICTE	4
5th Mitsubishi cup	4th RANK	Mitsubishi	4
Live Ideathon (Project Competition)	2nd Rank	Karad Gov. Engg. College	4
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Yoga	Gymkhana	Yoga day celebration	6	90
NSS, Swachh bharat	NSS	Cleaning panch ganaga river	3	40
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**3.5 – Collaborations**

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

Nature of activity	Participant	Source of financial support	Duration
ISPG Research Project	5	ISHRAE	365
Students Development program (Training)	19	offline (In Industry)	7
Workshop:-"Embedded system Design IOT"	61	Edgate Technologies(A Partner of Texas Instruments India University)	5
Students Development program	19	UTL Technologies, Bengaluru	15

Sponserd Project : Project Title:Yoga Pose Detection Company name:Racksons IT Developers Jaysingpur	4	Racksons IT Developers Jaysingpur7	Nil
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industrial Training for faculty and students	Open Q-GIS Sources applications	K-Cube Consultancy Services, Bangalore, 080417 10411	15/02/2019	02/12/2019	All B.E. Students 2 Faculty
Industrial Training for faculty	Lab Industrial Training	Geotech Services Pvt Ltd., Nagpur, 9209466314	28/11/2019	29/11/2019	2 Nos of faculty training
Industrial Training for faculty	Field Training varios aspects	Khapare Builders Associates, Sangli, 0233-2300989	12/07/2019	12/09/2019	3 Nos. of faculty training
Industrial Training for faculty Students	Planning Design of Buildings	Bhushan Builders Developers, Kolhapur, 0231-26 53981	12/06/2019	12/09/2019	one faculty training
Industrial field visits, site visits training	Various construction technique Planning Design of Buildings	Bhushan Builders Developers, Kolhapur, 0231-26 53981	16/12/2019	31/12/2020	Faculty intraction Mou
Industrial visit, Industry Project, Training	Industrial visit, Industry Project, Training	Sanmati Precision Engineering PVT LTD Plot No. 110, 112 to 113 sector A, Shri Laxmi Co-op Industrial Estate, Hatkanangale 416109 Dist-	02/08/2019	06/08/2019	All B.E. Students 2 Faculty

		Kolhapur			
Industry Institute Interaction	Memorandum of Understanding	Anand Sagar Electrics, Plot No. P-86, Kupwad MIDC, Sangali - 416 436, 9423 872557	01/03/2020	31/12/2020	Faculty intra
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Sanmati Precision Engineering PVT LTD Plot No. 110, 112 to 113 sector A, Shri Laxmi Co-op Industrial Estate, Hatkanangale 416109 Dist-Kolhapur	02/08/2019	Industrial visit, Industry Project, Training	12
Sanmati CNC Engineering Works Plot No. 111 sector A, Shri Laxmi Co-op Industrial Estate, Hatkanangale 416109 Dist-Kolhapur	02/08/2019	Industrial visit, Industry Project, Training	10
Morya Industries Near Salunkhe Hospital, Budhawarpeth, Madhavnagar, Sangli 416406	09/03/2020	Industrial visit, Industry Project, Guest Lecture	15
Arunoday Enterprises 1243/35, Shivaji Udaymnagar, Kolhapur 416008	09/03/2020	Industrial visit, Guest Lecture	18
Siddha Engineering Plot-90, phase I, Sector B, Shri Laxmi Co-op Industrial Estate, Hatkanangale 416109 Dist-Kolhapur	17/03/2020	Industrial visit, Industry Project, Training	20
PNP TECHNO PRODUCTS Gat No.674, Ketkale Mala, Chandur-Ichalkaranji Road,	24/08/2020	Industrial visit, Industry Project, Training	15

Kabnur, Tal-Hatkanangale, Dist-Kolhapur 416129			
UTL Technologies, Bangalore	20/07/2019	Students Development program (Training)	19
<a href="#">View File</a>			

## 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
28.15	35.77

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
Laboratories	Existing
Classrooms with LCD facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
<a href="#">View File</a>	

### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Algorhythm SLIM	Partially	SLIM 21	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31510	10314767	1074	8488747	32584	18803514
Reference Books	423	565106	13	15728	436	580834
e-Books	6062	57820	6738	54929	12800	112749
Journals	68	182756	71	178853	139	361609
e-Journals	7788	624393	8317	518219	16105	1142612
Digital Database	163	Nill	249	Nill	412	Nill
CD & Video	1593	Nill	1626	Nill	3219	Nill

Library Automation	1	128016	Null	Null	1	128016
Weeding (hard & soft)	Null	Null	Null	Null	Null	Null
<a href="#">View File</a>						

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
nil	nil	nil	Null
<a href="#">View File</a>			

#### 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	656	23	160	23	1	20	629	160	7
Added	0	0	0	0	0	0	0	0	0
Total	656	23	160	23	1	20	629	160	7

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

160 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
Video Recording, Smart Class rooms, Virtual Class room	<a href="http://sitcoe.ac.in/index.php/electrical/syllabus-and-course-material">http://sitcoe.ac.in/index.php/electrical/syllabus-and-course-material</a>
Video Recording, Smart Class rooms, Virtual Class room	<a href="https://www.youtube.com/channel/UCb5p2k5d_ilHyccLuRooj7A">https://www.youtube.com/channel/UCb5p2k5d_ilHyccLuRooj7A</a>
Video Recording, Smart Class rooms, Virtual Class room	<a href="http://sitcoe.ac.in/index.php/e-and-tc-engineering/syllabus-and-course-material">http://sitcoe.ac.in/index.php/e-and-tc-engineering/syllabus-and-course-material</a>
Video Recording, Smart Class rooms, Virtual Class room	<a href="http://sitcoe.ac.in/index.php/mechanical/syllabus-and-course-material">http://sitcoe.ac.in/index.php/mechanical/syllabus-and-course-material</a>
Video Recording, Smart Class rooms, Virtual Class room	<a href="http://sitcoe.ac.in/index.php/civil/syllabus">http://sitcoe.ac.in/index.php/civil/syllabus</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary

component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
40.15	38.53	39.3	27.75

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

The Institute ensures optimal allocation and utilization of the available financial resources for maintenance and to upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants allocated by Institute as per the requirements in the interest of students. • The classrooms are utilized for the conduction of classes during working hours as well as for remedial classes. • The laboratories are utilized for conducting practical classes. • Departments have separate spaces for departmental office and faculty cabins. Space for administrative wing is available. • Seminar halls are used for student presentation, conducting guest lectures, conferences, technical events etc. • Playground is used by the students for playing various games. • The central library and the reading room remain open after working hours. • Cafeteria, tea house with good quality food is maintained within campus. • Workshop built up area 1120.11 Sq. m with different sections such as machine shop, welding, smithy, fitting, sheet metal and carpentry. • Drawing hall facility with area of 132.80 Sq. m. • Girls' and boys' hostel is available within campus. • Parking facility, RO purified coldwater drinking facility. • College campus is equipped with Closed Circuit Television System (CCTV). • Post office is available in college campus. <http://sitcoe.ac.in/> Library- The requirement and list of books is taken from the concerned departments and HoDs and department library in-charge are involved in the process. The finalized list of required books is duly approved and signed by the Executive Director. ? Every year in the beginning of semester, students and faculties are motivated to register themselves in library to use library facility. ? Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. ? The proper account of visitors (students and staff) on daily basis is maintained. ? Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. ? Daily cleaning of library premises is done by sweepers. ? Copy of eBooks is circulated by librarian through email. ? Notification for making use of e-resources in the library is circulated by librarian on regular basis Laboratory- Laboratory maintenance record is maintained by lab assistants and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: ? The calibration, repairing and maintenance of lab equipment are done by the technicians of related owner enterprises. ? The preventive maintenance of the equipment is done before the commencement of each semester, record of maintenance is maintained by lab assistant and supervised by HODs of the concerned departments.

<http://sitcoe.ac.in>

## 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	Institute	246	7054702

from institution	Scholarship		
Financial Support from Other Sources			
a) National	Maharashtra State government scholarship	1597	74875395
b) International	Nil	Nil	Nil
<a href="#">View File</a>			

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 implementation	Number of students enrolled	Agencies involved
Bridge course	29/01/2020	31	Aerobotics Technosolutions
Bridge course	13/06/2020	50	Spy Technologies
Bridge Course	26/08/2019	19	RacksonIT Pvt Ltd
Bridge Course	03/09/2019	37	Itanium
Bridge Course	01/10/2019	83	VIM Digitech Pune
Bridge Course	25/11/2019	70	AEDIFICO Delhi
Bridge Course	02/03/2020	17	Eklavya Techno Solution
Bridge Course	29/06/2020	125	ascentPro Services
Bridge Course	10/08/2020	88	SWAYAMNPTELIITS and IISc
Bridge Course	15/12/2020	117	SWAYAMNPTELIITS and IISc
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Competitive Exam Guidance	105	2	Nil	2
<a href="#">View File</a>					

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
Nil	Nil	7

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
SITCOE	958	162	DYP	461	39
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	Civil Engineering	Civil Engineering	Matrix School of management	MBA
2020	1	Mechanical Engineering	Mechanical Engineering	WCE, Sangli	M.Tech ( Production Engg )
<a href="#">View File</a>					

### 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
Any Other	1
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Annual Sports	Inter Institute	1950
<a href="#">View File</a>		

## 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	SILVER MEDAL	National	1	Nil	Nil	SNEHAL CHAVAN- TE CSE- 200 MTR RUN
2019	"BRONZE MEDAL "	National	1	Nil	Nil	SWAMI KIRTI- TE E&TC- TRIPPLE JUMP
2019	Best Actor	National	Nil	1	Nil	Ms. Akshata



	Female					Karade
2019	Gold Medal	National	4	3	Nil	Amey Panade, Sourabh Mali, Amey Panade, Ramkrishna Kalakutagi, Pradip
2019	Silver Medal	National	1	Nil	Nil	Jiwaje Rujut-team Event Kabaddi
2019	One Act Play	National	Nil	1	Nil	Mr. Sourabh Mali & Team
2019	Street Play	National	Nil	1	Nil	Mr. Pradip Mane & Team
2020	Bronze Medal	National	1	Nil	Nil	Chavan Prathmesh Balaso
2020	Bronze Medal	National	1	Nil	Nil	Pawase Dipesh Vishnu
<a href="#">View File</a>						

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

As per the rules and regulations of state government of maharashtra, UGC, AICTE and Affiliating university institute prepares student council. Student council having maximum involvement in all academic and administration policies. Institute level annual sports and cultural programs are coordinated by student council. With maximum transparency, nomination and election of students on council was done. monthly meetings of student council conducted for discussion on various issues. Not only in student council but also in almost all administrative and academic bodies we have student representation. Students are members for the Departmental academic advisory board, Anti ragging committee, Anti Ragging Squad. Apart from this institute has various professional bodies on which separate institute level working committee appointed. these bodies provides maximum exposure to students.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Institute has registered alumni association. Mr. Vasim Shaikh working as a chairman for alumni association. Following are the objectives of SITCOE Alumni Association, 1. To organize Alumni meet of passed out students 2. To organize career guidance seminars for Alumni and students 3. To organize campus drives for students. 4. To felicitate students, alumni, players and other dignitaries on their remarkable achievements Being a new institute our alumni is still not financially stable but they are happy to share their knowledge to the our

students. under Alumni Talk section no of alumni are visited to institute and given guidance to the existing students. Alumni also supporting training and placement cell by providing information about placement opportunity in various companies where they are working.

5.4.2 – No. of enrolled Alumni:

600

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Institute has started alumni talk sessions. under this scheme alumni use to visit institute and gives information about various job opportunities and skill sets required in different companies. Alumni association and Institute jointly organizes institute level alumni Meet once in year. This year due to pandemic situation online Alumni meet was conducted.

## 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)

Decentralization creates a significant impact on policy, planning and effective management of technical education system. Decentralization is seen as a means of improving the efficiency of education system and the quality of educational services. From inception of institute, we have participator management system for decision making. The overall steering guidance and vision for the institute is provided by the think tank bodies such as Governing Council, Academic Council and Internal Quality Assurance Cell. Major decisions on the functioning of the Institution are taken by the Governing Body, whose members are eminent personalities in the Industry and Academia. Academic activities and policy decisions regarding the academic matters are taken by the Academic council of the Institutions. Department academics is monitored by the Program assessment and quality improvement committee whose members are the Senior Faculty Members and chaired by the HoD. This gives the faculty an enormous sense of belonging and pride in the institution and this brings out the best in them. The Placement and Industry Institute Interactions of the Institute are coordinated by the Office of Dean Industry Institute Interaction and the Dean - Training and Placement and the Team of Placement Coordinators for each of the Department. The Administrative activities of the Institute are under the Office of Dean Administration . The Activities related to the Research and Consultancy at the Institute are governed and monitored by the Office of Research and Development committee of institute. Success of this is institute got NAAC A grade accreditation. Mechanical and Computer science engineering Programs of institute got accreditation from NBA. Institute also have ISO 90012015 Accreditation. Almost every decision is taken by discussion with all stakeholders of institute.

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

<p>Admission of Students</p>	<p>To attract good quality students and create awareness among engineering aspirants engineering awareness programs are arranged. Admissions are done purely on merit basis and according to reservation policy of the state Govt. of Maharashtra. The admission regulating authority of Government of Maharashtra regulates the admission.</p>
<p>Industry Interaction / Collaboration</p>	<p>Industry Institution Partnership Cell (IIPC) is delicately working for the increasing industry interaction and collaborations. The college establishing Memorandum of Understanding [MoUs] with reputed core industries to enhance Industry Institute Interaction activities like industrial visits, inplant trainings, internship, value added courses, guest lecturers etc., for the professional development of students and faculties</p>
<p>Human Resource Management</p>	<p>Institute has Human resource policy. To improve the quality of faculty, non teaching staff and students various quality improvement programs were organized. The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by internal expert committee. Under the guidance of IQAC and Other Bodies, the Institute organizes various Faculty Development programmes and Training for both teaching and non-teaching staff members for upgrading their skills in the latest technology. The Faculty Members are encouraged to pursue higher education like Ph.D. and the institute provides the Necessary Duty Leaves and supports them. Medical leave provision is given to the faculty and staff members based on the request. On duty is provided for pursuing higher studies, attending FDP courses/seminars/conferences/workshops and exam duties. The faculty and staff members are entitled to avail summer and winter vacations, casual leave and special leave for marriage or any unavoidable circumstances.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>Library is equipped with no of books, Ebooks and Journals. separate budgetary provisions are made for improvement in library, ICT and physical Infrastructure.</p>

Research and Development	Special attention was given for improvement in research and development. faculty motivation plans are prepared for improvement in Research activity
Examination and Evaluation	Being university affiliated institute parent university rules and regulations are followed for examination execution. all exam rooms are equipped with CCTV. More focus is provided on Continues Assessment.
Teaching and Learning	Teaching learning is the backbone of institute. -Implementation of outcome based teaching and learning methodology. Use of activity based learning. Recruitment of well qualified and experienced staff as per AICTE norms. Sponsorship to faculty for higher studies and faculty development programmes. Use of modern teaching aids like projectors and interactive boards in the classrooms. Continuous evaluation system for students. Introduction of various professional programs in collaboration with global institutions of repute like NPTEL, MOOC Courses. Emphasis on imparting skills through laboratory experiments and industrial visits / training / tours and various skill development programmes.
Curriculum Development	Faculty members are actively participating curriculum development activities organized by parent university. Faculty members identifies gap in curriculum which is communicated to university as well gap filling activities are carried out.

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

E-governance area	Details
Finance and Accounts	For Finance and accounting we use Tally Software and ERP system from Biyani Technologies Pvt. Ltd.
Student Admission and Support	Registration of students by using ERP system from Biyani Technologies Pvt. Ltd

### 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
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2019	Nil	Nil	Nil	Nil
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	One week online FDP on COVID 19 and Use of ICT Tools	Nil	25/05/2020	30/05/2020	111	Nil
2020	Recent Advances in Modeling and Optimization Technique	Nil	01/06/2020	05/06/2020	243	Nil
2020	Power quality and reactive power management	Nil	01/06/2020	05/06/2020	358	Nil
2020	One week FDP on Data Science with R programming for data Analytics	Nil	04/06/2020	09/06/2020	19	Nil
2020	Advances in Civil Engineering education -post covid situation	Nil	08/06/2020	12/06/2020	122	Nil
2020	Micromachining Technologies for Future Products	Nil	11/01/2020	15/01/2020	42	Nil
2020	Recent trends in power	Nil	22/06/2020	26/06/2020	421	Nil

	systems					
2019	Academic Research process	Nil	12/04/2019	12/05/2019	28	Nil
2019	Skill Enhancement on software-Staad-Pro	Nil	25/11/2019	29/11/2019	12	Nil
<a href="#">View File</a>						

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
Hands on experimentation on Deep Learning, AICTE-ISTE, ADCET-Ashta	5	17/06/2019	22/06/2019	7
Training Programme on C Programming, SIT COE, Yadrav	1	26/09/2019	02/10/2019	7
Embedded system and IOT, RIT, Sakhrale, funded by AICTE	3	11/11/2019	22/11/2019	14
Fundamentals of C Prog, SITCOE, Yadrav	12	25/11/2019	30/11/2019	7
FDP on Academic Reserch Processes,	23	04/12/2019	05/12/2019	2
Optimization techniques awareness on Reserch, AMGOI, AICTE01	1	30/12/2019	03/01/2020	7
Computational methods for big data analytics, TEQIP sponsored VTU Belgavi	1	06/01/2020	10/01/2020	5
One week FDP on Data Science with R programming for	104	04/06/2020	09/06/2020	104

data Analytics				
Power quality and reactive power management	13	06/01/2020	11/05/2020	13
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
57	60	77	Nil

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Accidental Insurance, Dress Code, Financial Support for workshop and Conferences, Salary advance in Emergency Special Leave of 10 days, Bus Facility	Accidental Insurance, Dress Code, Financial Support for workshop and Conferences, Salary advance in Emergency, Special Leave of 10 days, Bus Facility	Bus Facility, Student Insurance Amarty Shiksha Yojana, Gymkhana, Incubation Center, Innovation Center, Art circle

### 6.4 – Financial Management and Resource Mobilization

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

Institute has policy for conduction of internal and external audit. Internal audit was conducted under the leadership of Trust account head and committee twice in a year. External academic audit was carried out by Gaurav phadanis and Company. Audit report uploaded on institute website for public information and transparency.
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#### 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
ISHRAE	373750	Student Project
<a href="#">View File</a>		

#### 6.4.3 – Total corpus fund generated

0
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### 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts (Professors from good institution) also ISO	Yes	Dean Academics and Pannel
Administrative	Yes	Principal	Yes	Dean

from outside  
institute also  
ISO

Administration  
and Panel

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

Twice in year parent meet was conducted. The discussion on academic activities, student placements and training, library and other resources, infrastructure facilities, counselling cell etc. are discussed Parents feedback is always considered for betterment of institute.

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

Motivation for attending Development program Maintenance, and record keeping of laboratories-

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

Started external academic audit for departments Research promotion activities are implemented Yearly at least two faculty development programs were arranged. Prepared for and received ISO 9001:2015 certification. Submitted Annual Quality Assurance report for 2016-17, 2017-18, 2018-2019 Applied for NBA accreditation of Mechanical and Computer Science Engineering 2018 and above mentioned programs got accredited in March 2019

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
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
2020	One week online FDP on COVID 19 and Use of ICT Tools	22/02/2020	25/05/2020	30/05/2020	111
<a href="#">View File</a>					

**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
Sadbhavana Rally	02/10/2019	02/10/2019	20	39
Womens day celebration	08/03/2020	08/03/2020	69	10

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



Institute has green campus. Principal Dr. S. A. Khot is certified Energy auditor. Institute has done energy audit as well as water audit. • Solar street lights. • Electricity generation using solar energy.

### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Ramp/Rails	Yes	4
Provision for lift	No	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	4
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	4

### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	07/09/2019	1	Nirmalya collection	Environment issues	60
2019	1	1	02/10/2019	1	College Campus cleaning	Environmental awareness	47
2020	1	1	25/02/2020	1	Cleaning of fort panhala	Awareness about Clean Environment	30
2020	1	1	27/02/2020	1	Tree plantation	Rainfall and global warming	31
2020	1	1	27/02/2020	1	Paint the wall	Sarv shiksha abhiyaan	31

[View File](#)

### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
HR Manual	19/12/2019	HR manual is updated as per the need and suggestions given by the hon. BOG members

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Tree Plantation at Nimshirgaon	30/06/2019	30/06/2019	200
Independence Day Celebration	15/08/2019	15/08/2019	200
Nirmalya collection	07/09/2019	07/09/2019	36
Blood donation camp	01/10/2019	01/10/2019	25
Gandhi Jayanti Celebration	02/10/2019	02/10/2019	42
Campus cleaning	02/10/2019	02/10/2019	135
Sadbhavana Rally	02/10/2019	02/10/2019	59
Sanvidhan Din Celebration	26/11/2019	26/11/2019	40
Republic day Celebration	26/01/2020	26/01/2020	213
Shiv Jayanti Celebration	19/02/2020	19/02/2020	85
<a href="#">View File</a>			

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

1. More number of tree plantation 2. Magic pit for rain water harvesting 3. Waste food decomposition unit for ladies hostel and canteen 4. Solar street lightning in campus 5. Energy audit of institute 6. Printouts and photocopies are taken on both sides of paper 7. Lights and fans of class rooms and labs are switched off after the session. 8. Departments create awareness among staff and students to turn off water taps whenever required.

## 7.2 – Best Practices

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

1. NPTEL Awareness Program. Goal: 1. To motivate students and faculty for Self learning activities. 2. To create ICT Tool usage awareness Context: Institute has a very good academic culture. In our region institute is very well known for academics. To do improvements in academics, the self learning of students is most important. Many recruiters also recognized a need for selflearning. In connection with this institute decided to motivate students as well as faculty members to participate in MOOC courses. Being an affiliated institute we are unable to give credit transfer benefits to the student but even students provided great support to such extension activity. Practice: IQAC committee gave instruction for the implementation of NPTEL awareness among students. Initially, the institute is registered under NPTEL local chapter. Mr. G. V. Pujari working as SWAYAM NPTEL SPOC person. At the institute level, we created a committee of NPTEL. From all department, one contact person is selected who

encourage students and faculty members to participate. Initially, the maximum focus is provided on registration for the course. Then in the next phase students, active participation is observed. For that faculty, mentors are appointed. Finally, students and faculty members are motivated for registration in the examination. Fee Reimbursement scheme was launched from the year 2018-2019 from the institute side for the students who cleared the examination.

Students who scored more than seventy percent marks are facilitated by the institute. This also creates a positive impact on the students side. Impact: As the first step of success 1505 students registered for different courses. They tried to learn the basics. Some students continued the same but few were fail to complete the same. Out of those 155 students appeared for the examination and out of appeared students 139 students cleared their examination. All students who get cleared are facilitated by the institute. Also, they got the benefit of fee reimbursement. Best Practice 2. Certification courses in Innovation Centers Objectives: 1. The main objective is to provide additional skills to the students which will help them for the placement. 2. To collaborate students with the various industry initiatives Context: Institute has developed various innovation centers in every department to facilitate students with upcoming technologies and make use of the facility for research and development activity. These centers are over and above the AICTE requirement so no academic lecture practical scheduled on the same. These centers are maid full time available to the students for learning new things. But it is observed that many students are not participating in such activities actively. Also, many students learn and develop some skill sets but they unable to claim the same in front of other peoples. So to give them authentication and encouraging students for active participation certification programs were started. Practice: With respect to the above context every innovation center started some certification courses in association with supporting industry. In the first phase students are motivated to participate in the learning process. Students who successfully completed the course undergo certification exams and those who get cleared are getting more job opportunities compared to other students. Some certification courses were started by third party agencies or supporting organizations. Some certifications were started by the Innovation center itself. Design and innovation center powered by Autodesk India Pvt. Ltd. doing certification to students with online courses and examinations started by Autodesk University. Institute also runs the Ready Engineers program powered by Tata Technologies Ltd. Students who completed the course successfully and cleared examinations got Ready Engineer certification. The Center of Excellence in VLSI and embedded system runs the courses for the students. Students after completion of all three modules of course certification were given by the institute itself. Similarly, other centers of excellence are working. Impact: Number of students actively involved in learning in the innovation center. More than 200 students got certification in various courses at Autodesk University. This helps students for placement. 11 students got a placement on the basis of skill sets available in the field of design. 100 students got the certificate as a ready engineer. All students got the opportunity of placement drive organized by Tata Technology. Center of excellence in VLSI and Embedded system gave training to 50 students of Electronics and Telecommunication in association with UTL Technologies Bangalore.

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

<http://sitcoe.ac.in/index.php/about-us/best-practices>

### 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

Training and Soft Skill Development Programs: [Mission Element of the Institution: Preparing students through professional skill.] The Institute imparts soft-skill, personality development and aptitude training programs for preparing the Third year and final year students for the campus placement .

Outcome based teaching and learning: [Mission Element of the Institution: Imparting quality education.] The Institute imparts outcome based education in that the Blooms cognitive level is used to address classroom teaching and for improving teaching learning process different pedagogical initiatives such as real world examples, collaborative learning, interactive tools (ICT) tools, and interactive classroom teaching sessions are used .

Provide the weblink of the institution

<http://sitcoe.ac.in>

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

1. To get an extension of NAAC accreditation 2. To start with PG Courses 3. To establish a Research center for PhD 4. To start UG courses in emerging areas. 5. To Start with vocational and training certification courses 6. To motivate faculty members for paper publication in SCI and SCOPUS indexed journals and promote faculty members to register for PhD 7. To provide maximum focus on student training and placement in good repute organisation