



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	FABTECH TECHNICAL CAMPUS, COLLEGE OF ENGINEERING AND RESEARCH
Name of the head of the Institution	Dr. Ravindra Bhimrao Shendge
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09325866656
Mobile no.	8408888534
Registered Email	ftc.coer@gmail.com
Alternate Email	rbshendge@gmail.com
Address	Sangola - Pandharpur Road, Gat No. 565/1, Sangola
City/Town	Sangola
State/UT	Maharashtra
Pincode	413307

<b>2. Institutional Status</b>					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		private			
Name of the IQAC co-ordinator/Director		Prof.Pathan Hamid			
Phone no/Alternate Phone no.		919552919017			
Mobile no.		9168694131			
Registered Email		sanjaypawardo@gmail.com			
Alternate Email		sampathukumar@gmail.com			
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)		<a href="https://ftccoe.ac.in/aqar/">https://ftccoe.ac.in/aqar/</a>			
<b>4. Whether Academic Calendar prepared during the year</b>		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		<a href="https://ftccoe.ac.in/academic-calendar/">https://ftccoe.ac.in/academic-calendar/</a>			
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.2	2018	02-Nov-2018	01-Nov-2023
<b>6. Date of Establishment of IQAC</b>			26-Jun-2017		
<b>7. Internal Quality Assurance System</b>					
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	
Development of Core Skills		24-Dec-2019 2		50	

Feedback from all stakeholders collected and analyzed	05-Sep-2019 1	432
Feedback from all stakeholders collected and analyzed	19-Mar-2020 1	437
AAA report DBATU	23-Mar-2021 1	2
Submission of AQAR 2018-19	29-Jan-2020 1	2
Motivation to faculty to publish paper in conference and journals	05-Nov-2019 240	50
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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
Nil	Nil	Nil	2020 0	0
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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)**

Paper wise result analysis to be submitted by departments along with follow up remedial measures which are then discussed in the IQAC.

Departments to work towards augmenting institute industry interface. Promote skill development short term courses, students and faculty research projects

IQAC has formed a department review committee ( DRC) to monitor the leaching learning process of the institution.

Various mechanisms and procedures were adopted to further improve the Quality of Academic Programmes, such as the formation of year wise student faculty committees.

The committees to meet twice in a semester, records of minutes to be maintained, discussion to focus on syllabus coverage, internal assessment and any other matter.

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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
Parent-Teacher interaction	Parent-Teacher interaction was Organized twice in 2018-19 in order to provide a platform through which the parents can interact and share their concerns with the faculty members directly. This interaction helped the faculty members to understand the students better and provided valuable feedback to enhance the teaching learning process in the college
To promote outcome based education ( OBE )	All the courses taught have been covered under outcome based education and each of the faculty have been required to work towards the achieving the targets set. Further the faculty is required to continuously improve the process to reach out to higher targets if the set targets have been achieved and analyse and initiate corrective action if the targets are not achieved.
Mentoring and Counselling committee and GFM	As per IQAC recommendations guardian faculty member pattern of the institution is carried out in which group of students is counselled and monitored The issues which generate stress, anxiety and sadness which in turn impacts the academic performance and productivity of students are solved through out the year .

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

Yes

Name of Statutory Body	Meeting Date
Governing Body	11-May-2021
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	02-Nov-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	08-Jan-2020
17. Does the Institution have Management Information System ?	No

## 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

The Institute is approved by AICTE and affiliated with Punyashlok Ahilyadevi Holkar Solapur University, Solapur and Dr. Babasaheb Ambedkar Technological University, Lonere. Academic Activity are well Planned Prior to start of semester • General Meeting is conducted for orientation of academic planning and deciding the strategies for effective implementation of curriculum. • Before the start of every academic year, the Academic Calendar is prepared. Upon approval of the College Development Committee, it is circulated amongst the students and staff members. • The Curriculum of University follows out based education & choice based credit system. • Students are continuously assessed throughout semester by conducting continuous assessment I and II – objective test & Mid Sem Examination. • According to the area of specialization, skills, experience and subject choices submitted by each faculty member, distribution of teaching load is done by HODs in consultation with Dean Academics. • Class wise time tables and lab wise timetables are prepared and communicated accordingly. • Aligned with the syllabus and guidelines given by the institute, all subject teachers prepare teaching/practical plan(s), faculty diary of their respective subject(s). • A standardized faculty diary including Academic Calendar, Teaching scheme & load with Individual Time Table, Syllabus, teaching plan, Details of lecture Conducted, theory and Practical attendance record, etc. is maintained by each faculty member. It is monitored by H.O.D. and Academic dean and Principal. • Every department implements the Guardian Faculty Member scheme in which every faculty is assigned 15 to 30 students for close counseling and problems solving of students. • Institute library provides enough books and other teaching materials like Journals, Magazines. • The digital library is main e-learning resource for students. The students listen and watch video lectures in digital library. • The Institute has established MOU with reputed organization to

promote aptitude, innovation and training of students. • Laboratory records are assessed after conduction of every practical. • College conducts Industrial visit, Expert Lecturer, Seminar & Presentation • The Feedback is conducted by Dean academic and H.O.D. once in semester and communicates the observations to faculty member through respective HOD and corrective measures are taken accordingly.

#### 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
Arduino and Its Applications	Nil	10/10/2019	6	Nil	Arduino
Basics of C and C Programming	Nil	06/02/2020	6	Nil	C Programming
Arduino Uno	Nil	18/09/2019	6	Nil	Arduino programming
IoT	Nil	30/09/2019	7	Nil	IoT Design and Development
Machine Learning	Nil	27/08/2019	5	Nil	Machine Learning algorithms and programming
CATIA V5R20	Nil	02/11/2019	10	Nil	New Trends and Techniques in CATIA
AUTOCAD	Nil	18/09/2019	6	Nil	AUTOCAD Drawing

### 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Electronics and Telecommunication (Third Year)	01/06/2019
BTech	Mechanical Engineering (Third Year)	01/06/2019
BTech	Civil Engineering (Third Year)	01/06/2019
BTech	Computer Engineering (Third Year)	01/06/2019
BTech	Electrical Engineering (Third Year)	01/06/2019
<a href="#">View File</a>		

#### 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	Electrical Engineering (Second Year)	01/06/2018
BTech	Computer Engineering (Second Year)	01/06/2018
BTech	Civil Engineering (Second Year)	01/06/2018
BTech	Mechanical Engineering (Second Year)	01/06/2018
BTech	Electronics and Telecommunication (Second Year)	01/06/2018
BTech	Electrical Engineering (Third Year)	01/06/2019
BTech	Computer Engineering (Third Year)	01/06/2019
BTech	Civil Engineering (Third Year)	01/06/2019
BTech	Mechanical Engineering (Third Year)	01/06/2019
BTech	Electronics and Telecommunication (Third Year)	01/06/2019
Mtech	Mechanical Engineering	01/06/2018
Mtech	Electrical Engineering	01/06/2018

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

	Certificate	Diploma Course
Number of Students	349	0

## 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
Communication Skills	01/06/2019	106
Basic Human Rights	01/06/2019	240
Interpersonal Communication Skills	01/06/2019	69
Soft Skills	01/06/2019	70
Soft Skills and Personality Development	01/06/2019	61
Introduction to Research Methodology	01/06/2019	42
Business Communication	01/06/2019	42
Consumer Behavior	01/06/2019	42
Management Information System	01/06/2019	12

communication skills(Electrical and Mec)	01/06/2019	15
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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
BE	Electrical Engineering	32
BE	Mechanical Engineering	62
BE	Electronics and Telecommunication	22
BE	Civil Engineering	61
BE	Computer Science and Engineering	12
BTech	Electrical Engineering	49
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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>The institution collects feedback on curriculum, curricular and extra-curricular aspects from different stakeholders such as the Students, Alumni, Faculty, Employers and Parent. Students Feedback: College provides student feedback forms to collect the information on Faculties teaching performance, curriculum of university, course end survey and student exit survey. The following points were being analyzed and utilized for overall development of the institution. ? The majority of the student population agreed that the syllabus is very much challenging and the allocation of credits is appropriate in relation to the level of course work. ? The syllabus covered by the teachers as per their teaching plan on given time. ? The laboratory experiences and practical exposure given to them enhanced their understanding of the concepts and enable them to relate theoretical components to practice. ? The students also give the deficiency in syllabus which can be communicated to the Dean of University. ? This also helps to update the teacher about the advances and application in their subject. Teacher Feedback: Teachers' feedback is an important parameter for quality improvement of the curriculum and the quality of the student of institution. Teacher's feedback on curriculum is received every year and evaluated by IQAC and necessary updation is carried in the curriculum design and syllabus for the betterment of the student community. Alumni feedback: Alumni regularly visits institute individually or through organized alumni. Their formal feedback (through a well-designed form) as well informal discussion with them provides vital input which is utilized for</p>



curriculum updation, student's projects, placement training etc. Employer's feedback: Employer's perception regarding their employees who were the student of this institute is regularly collected by training placement office of the institute. This opinion of employer is then made use of to get better training activities of present students for placement. Employers and other industry persons interact with faculty of the institute on various occasions and visits. Curriculum design and updation, student's training on upcoming technology requisite, student's projects and internship, faculty training at industry, joint research development with industry are some of the spheres benefited because of such interaction Parent's feedback: Parents give their input through regular parent's meet organized at department. Infrastructural facilities, college timings, training for placement etc. are some of the areas discussed and improved through such feedback.

## 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	Civil Engineering	60	29	29
BTech	Computer Science & Engineering	60	28	28
BTech	Electrical Engineering	60	16	16
BTech	Electronics & Telecommuincati on Engineering	60	7	7
BTech	Mechanical Engineerin	120	25	3
Mtech	Electrical Engineering	24	11	11
Mtech	Mechanical Engineerin	24	5	5

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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	863	31	61	4	65

### 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 Tools and resources	Number of ICT enabled	Numberof smart classrooms	E-resources and techniques used
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	ICT (LMS, e-Resources)	available	Classrooms		
65	65	13	6	1	17
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

Our Institute follows outcome based education. All the faculties take care of their students as we have a student mentoring system. To take care of students in academic and personal development, Fifteen to Twenty number of students are allotted to faculty which is called the GFM System. 1. Objective of Guardian Faculty Member (GFM):- 1. To acclimatize the new students to the campus life in FABTECH. 2. To provide academic counseling. 3. To communicate with the ward's parents. 4. Providing emotional support to students on an individual basis. 5. Helping students to overcome homesickness. 6. Establishing rapport between teacher, student and parents. 7. Monitoring attendance and behavioral aspects of every student. 8. Identifying weak areas and working out remedies, helping the students for taking their complete care. 2. Highlights of the Scheme: 1. One teacher is nominated as 'Teacher Guardian' for fifteen to twenty students. 2. GFM maintains, batch students personal and academic records. 3. GFM does all the follow up regarding attendance of students under his supervision. 4. GFM monitors academic performance of students. 5. If student remains absent for one slot of day and then teacher guardian have to call the parent of that student. 6. GFM sends letters regarding performance and attendance to parents every month. 7. Poor performance of students is improved by way of counseling. 8. GFM does counseling about studies. 9. GFM tries to solve the domestic problems of students. 10. Students are not allowed to leave campus during the class hours without a gate pass. Students mentoring system (GFM scheme) is to help students to acclimatize in the campus life in FABTECH. Teacher will communicate with the students parents regarding his/her studies, career planning and also address personal and academic issues. Because of nomination of individual teacher for fifteen to twenty students, teacher can emotional support to students and helping students to overcome homesickness on individual basis. GFM scheme is establishing rapport between teacher, student and parents. This mechanism of finding and solving the problem at starting which is academic or non-academic will help to avoid major issues.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
894	49	1:18

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
80	65	15	11	2

### 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	Prof. Mrs. Trupti Prakash Bansode	Assistant Professor	NPTEL
2020	Prof. Mr. Shejal Santosh Bimrao	Assistant Professor	NPTEL
2020	Prof. Mrs. Trupti Prakash Bansode	Assistant Professor	NPTEL
2020	Prof. Mr. Sahebagouda Sanganagoudar	Assistant Professor	Employment Enhancement Program for Degree and

[View File](#)**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
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No Data Entered/Not Applicable !!!

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Our College of Engineering and Research is affiliated to Dr. Babasaheb Ambedkar Technological University(DBATU),Lonere in the year 2017-18.Therefore FY,SY TY DBATU University and B.E Solapur University,Solapur. In Solapur University marking pattern for examination is 30 marks internal assessment and 70 marks End semester examination. Whereas DBATU University marking pattern as 40 marks internal assessment and 60 marks End semester examination. Therefore we follow the mechanism of internal evaluation stated by the affiliated university. In Solapur university college conduct two test that is Test-I and Test-II each of 30 marks. Test is conducted on 50 of Syllabus that is completion of three units and Best of two is considered for supplying internal mark of university. Whereas FY,SY TY we conducted two continuous Assignment test which are MCQ type each of 10 mark and one mid semester exam is conducted 20 marks. Our college has adopted outcome based education. Hence weightage is to given to the asked question paper in the following Blooms Taxonomy that is all six level of question included paper. College has conducted online examination on google class room. Question paper is prepared on google form all question, where objective type following Blooms Taxonomy. Practical are conducted virtually by providing links in the class room. Assessment of practical and assignment is completed through google class room. Assessed answer papers are made available to the students. Student submits their grievance online faculties which are solved on the same days.

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

The institute is affiliated to Solapur University (for fourth year of B.E. Programme) and Dr. Babasaheb Ambedkar Technological University, Lonere for F.Y., S.Y. and T.Y. classes. The Institute prepares and practices its action plan for effective implementation of the curriculum. Institute Academic Calendar is prepared considering academiccalendar of affiliating university. The planning of academic activities, curricular and co-curricular activities, conduct of examinations will be done accordingly. Institute focuses on the perfect planning and accurate implementation of planned activity. The number of assessment events for the academic year is listed below, hence planning and implementation is done accordingly. • Unit test I / CA-I examination • Mid semester examination • Unit test II / CA-II semester examination • Defaulter list • Feedback collection • Technofab • Nakshtra Annual Gathering • Annual Sports • Industrial Visit • Guest lecture • Tentative Date of ESE • Tentative Date of POE • Commencement of Term • End of term • Remedial classes The Academic calendar will be circulated among faculty and students for information and further implementation. The different academic activities such as theory and laboratory classes, feedback, assignments, unit and midterm tests, and

subject and project seminars are conducted in accordance with the calendar. Every month student defaulter will be displayed on noticeboard. Every year college organizes parent meet. This is a very good opportunity for the management, deans and department heads to interact with the parent in person. Parent's feedbacks, suggestions and views help institute to improve Curricular and co-curricular activities. HOD takes the review of departmental activities conducted as per the calendar. Principal monitors and take review of all activities conducted in the college with respect to academic calendar.

## 2.6 – Student Performance and Learning Outcomes

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

<https://ftccoe.ac.in/po-peo-pso-co/>

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
675619110	BE	Civil Engineering	60	60	100
675624210	BE	Computer Science Engineering	12	12	100
675629310	BE	Electrical Engineering	31	31	100
675637210	BE	E&TC Engineering	22	22	100
675661210	BE	Mechanical Engineering	62	59	95
675629310	Mtech	Electrical Engineering	6	6	100
675661210	Mtech	Mechanical Engineering	9	9	100

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## 2.7 – Student Satisfaction Survey

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

[\\_https://ftccoe.ac.in/student-satisfaction-survey-2/\\_](https://ftccoe.ac.in/student-satisfaction-survey-2/)

## 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	Shriram Roling Shutters/still fabrication	0.09	0.09

Industry sponsored Projects	365	Shriram Roling Shutter/still fabrication	0.08	0.08
Industry sponsored Projects	365	Sai construction, Sangola	0.1	0.1
Industry sponsored Projects	365	Snits software solution PVT LTD0.15	0.1	0.1
Industry sponsored Projects	365	Agro star Enterprises, Nazare, sangola	0.1	0.1
Industry sponsored Projects	365	Agro star Enterprises, Nazare, sangola	0.1	0.1
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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
Research innovations in mechanical engineering RIME-2K20	Mechanical Engineering	13/07/2020
workshop on - Novel ICT Tools for Teaching Learning	Mechanical Engineering	30/05/2020
Workshop on BOOTSTRAP TECHNOLOGY	Computer Science and Engineering	27/02/2020
Workshop on Machine Learning	Computer Science and Engineering	28/09/2019
Guest lecture on NS2	Computer Science and Engineering	25/01/2020
Workshop on Internet Of Things	Computer Science and Engineering	30/09/2019
Guest lecture on Emerging Trends in IT	Computer Science and Engineering	25/01/2020
Guest lecture on WAN Transport Layer	Computer Science and Engineering	15/10/2019

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
Most Promising Leading Engineering Technology College of the Year 2020	Fabtech Technical Campus, College of Engineering and Research	National Educational Excellence Awards Conference 2020	27/11/2020	"Quality Education Placements

Employment Enhancement Program for Degree and Diploma Engineering students	Sahebagouda Sanganagoudar	Doordarshan Chandan	09/01/2020	News Electronic Media
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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
Nil	Nil	Nil	Nil	Nil	Nil

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### 3.3 – Research Publications and Awards

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

State	National	International
32	04	13

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

Name of the Department	Number of PhD's Awarded
Nil	0

#### 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	Mechanical	6	5.64
International	Electrical	6	1.90
International	ETC	1	7.12

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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
Electronics and Telecommunication	1
Electrical Engineering	8
Mechanical	1

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#### 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
Nil	Nil	Nil	2019	0	Nil	0

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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
Nil	Nil	Nil	2019	0	0	Nil
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	20	0	48
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### 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
Nakshatra 2020	FTC COER Sangola	50	500
Marathi Bhasha gaurav din	FTC COER Sangola	2	56
Yoga day	NSS	1	210
Tree plantation	NSS	1	124
Vari Seva	NSS	1	340
Pledge to not use plastic	NSS	1	300
Shiv Jayanti	FTC COER Sangola	1	175
Techno Fab	FTC COER Sangola	60	265
Swachhata Abhiyan	FTC COER Sangola	1	100
Saksharta Abhiyan	FTC COER Sangola	1	70
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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 Benefited
Swachhata Abhiyan	Recognition	Grampanchayat	100
Saksharta Abhiyan	Recognition	Grampanchayat	70
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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
<b>No Data Entered/Not Applicable !!!</b>				
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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
Industry sponsored project (5)	26	Industry	365
Internship (09)	189	self	30
Industrial visit (3)	175	Self	3
Induction program (1)	30	FTC COER, sangola	21

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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
Industry sponsored project	Industry sponsored project	Snits software and solution (9809101034)	05/11/2019	15/12/2020	04
Internship	Internship	Catia V5R20 sktechnical solutions1545@gmail.com	05/09/2019	07/02/2020	60
Vocational Training	Vocational Training	J S M Infotech 9767423804	01/06/2019	15/06/2019	03
Industry Visit	Industry Visit	Manganga Dudh Dairy 9960482576	12/10/2019	12/10/2019	45

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#### 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
ATGWorld Network Pvt. Ltd.	14/07/2020	Internships, skill development, Webinar	300
Kaam Services Pvt. Ltd.	11/10/2019	Assessment and Placement Assistance	300
ANET Technology,	16/01/2020	Training,	300



Chaina and 3 Idea Technology Mumbai		Internship, Placement	
Vertex Technology	02/07/2019	Training, Internship, Placement	100
Snits software solution PVT LTD	11/06/2019	Training, live project, Internship	150
Gayatri Infotech	05/02/2020	Short term courses, Training, Live Projects	100
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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
6.8	1.06

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
Others	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 patially)	Version	Year of automation
Autolib	Fully	NG	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	3485	1150289	0	0	3485	1150289

Reference Books	8917	4208007	149	91703	9066	4299710
e-Books	518	0	0	0	518	0
Journals	978	585271	96	40998	1074	626269
e-Journals	1078	0	0	0	1078	0
Digital Database	9526	0	0	0	9526	0
CD & Video	790	0	0	0	790	0
Library Automation	1	65000	0	0	1	65000
No file uploaded.						

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
Prof. Kolekar Shyam.S.	Photogrammetry	Youtube	20/05/2020
Prof. Jakukore Vidyanand	Heat removal from Injection	Youtube	13/04/2020
Prof. Gade Sachin S.	Antena and Wave Propagation	Youtube	01/04/2020
Prof. Jakukore Vidyanand	Bode plot Subject Mechatronics, Automatic Control Engineering	Youtube	24/10/2019
Prof. Kolekar S.S.	Introduction of Highway Engineering	Power Point Presentation	15/04/2020
Prof. Metkari A.A.	Simplex Method by linear Programming Problem	Power Point Presentation	13/12/2019
Prof. Sampathkumar B.	Introduction to power system	Power Point Presentation	13/08/2019
Prof. Suraj Nikate	Introduction of Earthquake	Power Point Presentation	24/09/2019
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	571	310	430	20	20	20	60	100	0

Added	0	0	0	0	0	0	0	0	0
Total	571	310	430	20	20	20	60	100	0

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

100 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
Fabtech Media Center	<a href="https://drive.google.com/file/d/13s0EbfB7yuaeX_Muq0oEjju5bCaHLNN_/view?usp=sharing">https://drive.google.com/file/d/13s0EbfB7yuaeX_Muq0oEjju5bCaHLNN_/view?usp=sharing</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
11.75	10.59	64.3	51.59

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)

Infrastructure and Facility Maintenance Description Land Built up Area Exclusive for the Institution Land : 19.82 acres Build-up floor space: 32434 sq.m. Cleanliness is maintained by the outsourced people organized by the institute level in charge. Class Rooms Well-furnished class rooms are cleaned by peons every day. Seminar Halls Seminar hall of the department is maintained by peon at regular intervals Tutorial Rooms Tutorial rooms are cleaned every day and maintained by respective departmental peon. Laboratories A faculty in charge and a laboratory technician looks after the maintenance of each laboratory. They together propose the budget for the required consumables, new equipment, repairs and calibration if required Equipment Technicians maintain the log book for equipment of the laboratory. They prepare the preventive maintenance schedules under the guidance of faculty-in-charge and carry out regular maintenance as per the schedules. Computers An IT Coordinators team is responsible for maintenance of systems viz. Desktop, CCTV, smart board, PA systems, Digital library, software etc. They carryout maintenance of each equipment's at regular intervals and record in the log book. Faculty in charge prepares necessary budget and submit it to HOD. Main Library All the books are accessioned accordingly using DELNET by the serial number of accession number and classified subject wise and shelved in the rack according to call numbers regularly. Reading room maintenance schedules under the guidance of librarian and carry out regular maintenance as per the schedules. Dept. Library Faculty members of departments can borrow books from Dept. Library, and students in their free time can make use of the books available in the Dept. Library. One Faculty member is made In charge of the Dept. Library. He will maintain it and prepare budget and submit it to HOD. Internet /Intranet Internet related matters are maintained by a IT Coordinators and systems administrator. They maintain the daily band width, usage, band width allocation, sharing etc. Electricity Maintenance Engineer, Technicians and Attender look after the maintenance of electricity. Water Well water is treated in RO water plant. Sufficient water available from it to meet requirements of garden and toilets.

It caters needs of Staff Students, Buildings etc. Civil Maintenance Maintenance engineer and their committee will look after the civil structure at regular intervals and do the need full work whenever required. Sports Complex Sports Complex maintenance schedules under the guidance of Physical Director and carry out regular maintenance of Sports equipment's as per the schedules. Transport maintenance The college has a fleet of buses which is provided to students and staff. College has transport In-charge. Buses are regularly cleaned. Vehicles are periodically greased for smooth running. College outsources experienced garage men for major servicing under the guidance of transport In-charge. Security The college recruited Watchmen, who work on shifts. The area of the institute is under CCTV cameras.

<https://ftccoe.ac.in/institutional-policies/>

## 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	Concession in fees	22	339425
Financial Support from Other Sources			
a) National	Government Scholarship / free ship	774	25433389.5
b) International	NIL	Nil	Nil

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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
<b>No Data Entered/Not Applicable !!!</b>			

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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 passed in the comp. exam	Number of students placed
2019	A Guidance session on "How to prepare for MPSC/UPSC Exams	70	Nil	0	0
2019	A Guidance session on Opportunities after GATE	0	80	0	0

2020	MPSC Talent Search	110	0	0	0
2020	Training Mock Interview for final year students	0	73	0	0
2020	A guidance session on How to face interview	0	85	0	0
2020	A Session on "Soft Skills expected by Industry"	0	76	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		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
<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
2019	1	B.E Electrical	B.E Electrical	Fabtech Technical Campus College of Engineering and Research Sangola	M.Tech Electrical
2019	1	B. E Mechanical	B. E Mechanical	Fabtech Technical Campus College of Engineering and Research	M.Tech Mechanical

				Sangola	
Nil	0	0	0	0	0
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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	1
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	wrestling	National	1	Nil	137	Mr. Amol Shamrao Shinde
No file uploaded.						

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

FABTECH TECHNICAL CAMPUSs COLLEGE OF ENGINEERING AND RESEARCH, SANGOLA has active Students Council and involves students in academic and administrative bodies. The Council also aims for enhancing interpersonal relations, leadership and managerial skills, individual and teamwork and in turn to achieve overall personality development of students. The Students Council is constituted as per the relevant Maharashtra Universities Act. The council comprises of Cultural Secretary, Sports Secretary, NSS Secretary, Class Representatives, and two ladies representatives. Amongst the nominated student council members, one of them is elected as General Secretary. It gives an opportunity for students to develop leadership along with skills of good governance of the Students. Students can put their problems and suggestions in front of the administration through the student council meetings. The Principal is the chairman of the Student Council. The student council is the representative body of the students. It helps to improve communication between the Student Body, Faculty, Administration, and Parents. The goal of the student council is to provide a common objective to make students participate in the development of the institute as well as to provide a platform to students for co-curricular and extra-curricular activities. It is responsible for all the major technical, cultural, NSS and Sports, activities organized in the institute. In addition to the active student council individual departmental student association such as Mechanical Engineering students association (MESA), Civil Engineering Students Association (CESA), Electronics and Telecommunication Engineering Student Association (ETESA), Association of Computer Engineering Students (ACES), Electrical Engineering Student Association (EESA), is also formed for the co-curricular and extracurricular development of students. A national level

technical symposium 'TECHNOFAB' is arranged every year in the month of March as a calendar activity, where technical events are organized by faculty in charge and student coordinators. Student representative (General Secretary of Student Council) is involved in decision making all academic issues. Student council representatives are involved in planning execution of Annual Cultural, Sports and social Event. The NSS secretary along with departmental coordinators conducts various activities of social relevance (Swachata Abhiyan, Blood Donation Camp, tree plantation, etc). Sports secretary: The sports secretary organizes and coordinates intercollegiate sports tournaments. Cultural secretary: The cultural secretary along with the help of faculty coordinator organizes various cultural activity competitions. In addition to regular activities an annual event 'NAKSHATRA' is conducted in which sport, cultural, Art Exhibition is conducted every year where students get a platform to showcase their talents in various cultural events. Students participate enthusiastically in district level competitions such as 'Jallos' and 'Youth festival. All annual festivals like Teachers day, Engineers Day, Ganesh Festival, Shiv jayanti are celebrated every year. The Institution believes in transparency in all its activities. It encourages the students participation in administration, curricular co-curricular and extra-curricular activities, by involving them to be part of many of the committees such as 1. Anti-ragging Committee 2. Internal Complaint Committee 3. Grievance Redressal Committee 4. Sports' Committee 5. Cultural Committee 7. Internal Quality Assurance Cell (IQAC) 8. National Service Scheme (NSS) Committee 9. Food Mess Committee.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Fabtech Technical Campus College of Engineering and research has registered alumni association with Reg. No. Solapur/0000081/2017, Date: 09/10/2017) Alumni Association Name: - "FABTECH TECHNICAL CAMPUS MAJI VIDYARTHI KALYANKARI SANSTHA, SANGOLA". It creates and maintains a lifelong connection between the institute and its alumni. The concept of alumni association evolved for needs from both ends, i.e. academicians, and professionals, with the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of the competitive professional world. Both the ends shall work hand in hand to help each other for achieving the goal. The idea took shape and the formation of the Alumni Association turned into reality. The association has Student Chairman, Vice Chairman, Secretary, and Members. Alumni participate in the annual alumni meet on invitation and support for the development of the institution. Alumni are informally a part of the teaching-learning process through expert lectures, organizing industrial visits, and mentoring students. At the time of campus drives, alumni who are working for the same employer guide the students for preparation of drive. They guide the students for placements as well as for entrepreneurs. For academic improvement Alumni association is called to guide student's gives information about the current requirements of industries. Successful alumni who are good entrepreneurs visit the institute to provide placement to their juniors. Our alumni's are occupying in good positions in private, public sectors and government institutions therefore some of the alumnus contributes financially to the institute. Alumni are in communication with the institute through Social networking sites. They can access day to day activities of the institute through the website and can give their valuable suggestions. The institution collects program exit feedback from its passing-out students. The data is used to implement any corrective or preventive action to rectify any deficiencies. This feedback is just passed on to the department to make the necessary action.

5.4.2 – No. of enrolled Alumni:

212

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

212000

5.4.4 – Meetings/activities organized by Alumni Association :

An alumni association meeting is held once a year. Alumni conducts expert lectures, helps in organizing industrial visits, and mentoring students. Alumni guide student's about the current requirements of industries. At the time of campus drives, alumni who are working for the same employer guide the students for preparation of drive. some of the alumnus contributes financially to the institute.

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Institute has a decentralized management system with the delegation of authority at each level like Institute level, Departmental level, etc. Every stakeholder of the institution has an equal opportunity to share or contribute ideas with the management and also participate in the discussion of various committees like Governing Body, the Standing Committee and IQAC, etc.

•Practice-1:- The institute prepares the financial budget at the beginning of the year. This is prepared by the account office with the consultation of the Principal, Dean, all departmental heads, etc. Accordingly, it is verified by the college Principal and is sent to the governing body for sanctioning. At governing body meeting the budget is approved and necessary action is carried out. As per the final sanctioned budget, the office and departments prepare the planning of budget utilization and prepare a proposal and send it for the approval of the Principal and then it is further discussed in the meeting of governing body. According to the proposal of budget utilization, the governing body approves the utilization plan.

•Practice-2:- The management authorities regularly review working of the college in various committees meeting. Every employee and stakeholders at all levels has an equal opportunity to participate in the discussion of meeting. The necessary guidance and directives are issued through these meetings regarding the admission process, review of syllabus completion, feedback, training and placement activities, curricular, co-curricular and extra-curricular activities etc. Respective heads of the each of admission process, department, training and placement, cultural and a sport etc. executes the activities as per the guidance and directives decided in the meetings.

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
Industry Interaction / Collaboration	The institution has deep relations with industry as it was established as a part of CSR activity of Fabtech Projects Pvt. Ltd. It aims to provide an overall development that nurtures



students towards strong and focus human beings and to empower them with sound Knowledge, wisdom, experience and training both at academic level of engineering and in the highly competitive global industrial market. The institution continues to propagate industry connect through: 1) Technical talks / Invited seminars 2) Industry visits/tours 3) Students' project work/internships 4) MOU (Memorandum of Understanding)

Human Resource Management

As a part of Quality Improvement programme, review and enhancement of HR policies and procedures of the institution has been completed and an updated and comprehensive HR framework would be in place before the beginning of the academic year 2019-20. FDP on various subjects.

Library, ICT and Physical Infrastructure / Instrumentation

The digital library has been reinforced with the latest version of computers. An online public access catalog (often abbreviated as OPAC or simply library catalog) which is an online database of materials held by the library. Students/teachers can search in the library catalog principally to locate books and other material available at a library. The OPAC system has been implemented in the central library. During the exam periods, library working hours are extended so as to facilitate students the access to the reading materials. Reading-room facility is also provided for studying in extra hours than college time. Computer laboratory for first-year students is being revamped with new computing systems and furniture. The laboratories in Computer Science and engineering departments will be renovated and refurbished.

Research and Development

Faculty members are encouraged to attend AICTE approved Faculty Development Programmes (FDP) provided through SWAYAM and NPTEL. The institute also supports teachers to attend the short term training program (STTP) in person offered by renowned institutes. The research policy of the institution will be reviewed annually published to all faculties. The revised policies are encouraging in terms of direction and quality of research, workload, reimbursement of expenses and support grants.

Examination and Evaluation

The institution has aimed to adopt an Outcome-Based Education (OBE) system.

1) The faculty evaluates the levels of examination questions set by the university for End Semester Examination (ESE) and identify the gaps to be made up to meet the requirements of Course Outcomes (COs). The gap is made up through the internal assessment tests where the questions are set at different levels of Bloom's Taxonomy.

2) Also the faculty in each subject supplement the content together with assignments to be completed by students to augment the prescribed syllabus so as to meet the requirements of Program Outcomes (POs). Hence a continuous effort is being exercised to add value to our students and prepare them to meet the current needs of the industry.

A system similar to conducting university semester-end examinations has been implemented in this academic year to administer uniformity for conducting internal evaluation tests that would incidentally be accountable for measuring course outcome achievements and hence program outcome achievements. The institution has planned to use SAFE for conducting internal assessments. SAFE stands for Smart, Authenticated, Fast Exams which provides facilities such as, Continuous assessment through short quizzes where teachers can conduct short quizzes, as easy as asking a verbal question in class. These help in instant feedback to the student as well as the teacher. Easy, paper-free objective exams which avoid the hassle of printing and manual evaluation. With SAFE, conducting objective exams is paper-free and cheating-free.

Teaching and Learning

The institution has been following student-centric Teaching and Learning Methods for the years. The faculty continuously improve the delivery system by adapting the PDCA (Plan, Deliver, Check, Act) cycle. The faculty identifies outcomes to be realized by the students after completing the course. They carefully design the delivery content, student participation activities and the assignments to be completed by the students during the semester for every subject. Then they go about implementing their plan to the last detail. Continuous evaluation of

the progress made by the students has been adopted. As a part of the continuous evaluation process, three internal assessment tests are conducted by the faculty. For the assessment of practical skills acquired by the students for a particular subject are evaluated using mock practical tests resembling final practical tests. The institution has adapted to put into practice a novel idea in the teaching learning process for the upcoming semester. The innovative exercise has been implemented in the collaboration and guidance of Bodhi Tree, an IITB initiative. Bodhi Lab is a lab support program in which faculty and staff of IIT Bombay will provide the support for conducting laboratory assignments for the subjects that our faculty are teaching. The implementation has been limited to only a few specific subjects on an experimental basis. Various teaching aids and platforms governed by MHRD will also be used as 1. NPTEL online courses 2. vlabs.co.in- a virtual labs initiative which aims to provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, postgraduate level as well as to research scholars. 3. fossee.in- FOSSEE (Free/Libre and Open Source Software for Education) project promotes the use of FLOSS tools to improve the quality of education in our country. The aim is to reduce dependency on proprietary software in educational institutions.

Curriculum Development

The curriculum is prescribed by the parent university Dr. Babasaheb Ambedkar Technological University (DBATU). The revised curriculum which is effective for the academic year July 2018- 19 has been approved in the 11th meeting of Academic Council. The institution encourages our faculty/department to contribute to enrich the curriculum during the course of its revision. This is carried out by Communicating with the university during the process of preparing and finalizing the revised / new curriculum. Further, the institution Captures the data pertaining to the curriculum/syllabus by obtaining well-articulated feedback by the alumni once a year as well as the students during

	<p>the final year of their course. The consolidated recommendations are forwarded to the university to be used in enlarging, enriching and updating the content to meet the current trends in the industry.</p>
Admission of Students	<p>The following strategies are being adopted to enhance admission quality: 1) Prospective talented 12th students will be selected and offered a merit scholarship. There is a beneficial fee concession (100 percent/50 percent) plus mentoring in the industry which Improves the quality of admission. 2) Significant overall progress in the teaching-learning process, research and technology has been introduced to highlight the enhanced engineering and management system. Bridge courses in Mathematics, physics, and communicative English are offered to improve the quality of incoming fresher.</p>

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

E-governance area	Details
Finance and Accounts	<p>The total accounts of the institution uses Tally software for its operation. The transaction to the apex bodies like AICTE, DTE University etc. is done through RTGS/NEFT. The all types of fees collected from students are entered in Tally. All reports concern with varies conducted program are done online.</p>
Administration	<p>Our college is having good number of PCs for all the office staff. All the entries corresponding to the admission, fees, notics, requrtment Documents etc. are done completed through software available in PC. CCTV camera are installed in varies places for monitoring the activities biometric facility is made available for attendance of teaching non-teaching staff. Varies what's up group of faculties, office staff students classes are formed for communication purpose.</p>
Student Admission and Support	<p>The admission procedure is done as per the norms of DTE MSBTE. Our institution is recognized as facilitation center. In these center students from varies cities complete their application for filling choice filling through the internet link provided by apex bodies. After</p>

	admission of the students fees are collected online. Library facility also uses Auto Lib. College provide Hostel facilities to the boys girls by taking fees which are paid online.
Examination	Our college is applied to DBATU lonere. All the internal assessment marks i.e. CA-I, CA-II, MID Semester exam are entered in the link provided by DBATU university. The paper setting Evaluation is also done online. To covid-19 SEM-II Examination are conducted totally online.

### 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
2019	Prof. Ch. Mallareddy	International conference on Robotics, Communication Technology, Electronics and Electrical Engineering	Nill	1000
2019	Prof. Ch. Mallareddy	International conference on latest advancement and future trends in Engineering , Science and Management	Nill	1000
2019	Prof. Ch. Mallareddy	4th International conference on Innovations in electrical and electronics engineering	Nill	1000
2019	Prof. B. Sampathkumar	4th International conference on Innovations in electrical and electronics engineering	Nill	1000
2020	Prof. B. Sampathkumar	Intellectual Property Rights in India	Nill	1000

2019	Prof. B. Sampathkumar	International conference on Industrial electronics and electrical engineering	Nil	1000
2019	Prof. Ch. Mallareddy	Innovations in Electrical Electronics Engineering	Nil	1000
2019	Prof. Ch. Mallareddy	2nd International Conference on Latest Advancement future Trends in Engineering ,Science Management	Nil	1000
2019	Prof. B. Sampathkumar	Innovations in Electrical Electronics Engineering	Nil	1000
2019	Prof. Gade S. S.	IEEE International conference on intelligent Technique in control	Nil	1000
No file uploaded.				

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)
2019	Developing Core Skills	-	24/12/2019	25/12/2019	50	Nil
2020	IoT introduction	-	24/01/2020	24/01/2020	30	Nil
2020	NILL	Hands on Excel	25/01/2020	25/01/2020	2	6
2019	NILL	Introduction to CET portal	17/07/2019	17/07/2019	25	6
No file uploaded.						

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
<b>No Data Entered/Not Applicable !!!</b>				
<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
31	34	19	28

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Provident Funds. Financial assistance for getting patent, publication of research articles. Study leave for Ph.D. work., medical facility</p>	<p>Provident Funds, medical facility</p>	<p>1. Concession in fees as per management policy. 2. All government and state government scholarships. 3. Installments in college fees. 4. Prizes for meritorious students and competition winners and runner-ups. 5. Training and placement, 6. counseling facility and personal guidance. 7. Book bank facility 8. medical facility 9. Traveling and lodging boarding for cultural, technical and sports activities.</p>

**6.4 – Financial Management and Resource Mobilization**

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

The institution has established a system to audit all the financial transactions by both internal auditors and auditors of external agency. The internal auditor checks receipts with fee receipts and payments with vouchers and necessary supporting documents. The books of accounts and the supporting evidences are subjected to both internal and external audit. The internal audit practices to monitor financial management of the institution ensure sound financial health of the institution. The external auditor conducts statutory audit at the end of financial year. The report of external auditor for two years along with audited Balance Sheet and Income and Expenditure account is enclosed. The last external audit has been concluded up to 31st March, 2020 and the internal audit has been concluded up to 30th September, 2020. Details of the audit are attached herewith. According to audit report the Balance Sheets, Statements of Income and Expenditure comply with the accounting standards, generally accepted in India. There have been no major objections surfacing out of both internal and external audits.

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
Funds / Grants received from management, non-government bodies, individuals	920459	Academic
<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	Academic Audit by DBATU university	Yes	Academic Dean and IQAC
Administrative	Yes	Chartered accountant	Yes	internal auditor

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

<p>Parent-Teacher Association is supporting the following activities 1. Coordination between Teacher and Students in the teaching and learning process. 2. Collection of the institute tuition and development fees in time 3. Supports cultural programs and necessary coordination. 4. Preparation of Vision and Mission of departments 5. Parents from industry help for industry training and internship. 6. Parents from industry help for sponsorship for the technical events and student projects etc. 7. Farmer parents suggesting project ideas related with community</p>
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6.5.3 – Development programmes for support staff (at least three)

<p>1) Technical workshop to conduct lab as and when the syllabus changes 2) Refresher course on usage of software tools 3) Personality development program</p>
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

<p>1) To Encourage Research and Development activities and to form the policies for the same. 2) Recruitment of senior and experience staff. 3) Salary to be regularized. 4) To increase training activities for students.</p>
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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
2019	Developing Core Skills	05/11/2019	24/12/2019	25/12/2019	50



2019	Feedback from all stakeholders collected and analyzed	05/11/2019	01/07/2019	04/11/2019	432
2020	Feedback from all stakeholders collected and analyzed	05/11/2019	02/01/2020	13/04/2020	437
2020	AAA report DBATU	05/11/2019	23/03/2021	23/03/2021	2
2020	Submission of AQAR 2018-19	01/07/2020	29/01/2020	29/01/2020	3
2019	Motivation to faculty to publish paper in conference and journals	05/11/2019	01/07/2019	13/04/2020	50
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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
Self Defense for Women	13/08/2019	13/08/2019	20	19
A guidance session on "Anti-Ragging" (SE)	22/08/2019	22/08/2019	62	65
A guidance session on "Anti-Ragging" (TE)	23/08/2019	23/08/2019	75	45
A guidance session on "Anti-Ragging" (BE)	26/08/2019	26/08/2019	70	72
A guidance session on "Anti-Ragging" (FE)	19/09/2019	19/09/2019	15	20

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

Solar power generation plant in Girls and boys Hostel. Percentage of power:-5.38

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2

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	Nil	13/08/2019	1	Conduct ion of Social awareness session on Tree P lantation	Save Tree	50
2019	Nil	1	27/09/2019	1	Conduct ion of Social awareness session design of sewerage system at Sangola by TE Civil students	Social awareness sewerage system design	50
2019	Nil	1	06/08/2019	1	Adverti sement of college in news paper	Awareness of Engine ering education to Sangola near Peoples.	50
2019	1	Nil	01/08/2019	45	Display of banners	Publicity of Engine ering education to Peoples	120

						from rural area.	
2019	1	Nill	26/09/2019	180	Providing Hostels for students	Facility for student staff from different villages , taluka dist. Of Maharashtra	350
2020	1	Nill	15/01/2020	6	visit for Students of rural area near to college	Providing information regarding education after HSCSSC	700
2020	Nill	1	30/06/2020	7	Counseling on COVID Cleaning oxygen audit in hospital by faculty	awareness for people regarding covid and importance of cleaning and audit to hospital	6
2020	1	Nill	16/01/2020	1	Conduct ion of Web Development Workshop at different Diploma colleges (ENTC) in Maharashtra	Basics and application of Web Development	22
2019	1	Nill	02/07/2019	180	Bus Transportation provision	Location of College outside of city.	255
2019	Nill	1	01/08/2019	15	counseling to Student	Guiding students regarding	1400

					of different Jr. colleges schools	to Career opportuni- ty after HSC,SSC	
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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	30/01/2019	<p>CODE OF CONDUCT (HANDBOOKS) FOR VARIOUS STAKHOLDERS Knowledge gives enlightenment, empowerment and means of rising in the social hierarchy. Teachers form an enlightened community involved in creation, preservation and dissemination of knowledge. Hence, they should be deeply committed to use academic freedom. The profession of teaching is vested by the society with trust and the highest ideals of professional service and dignity as setting the foundation for knowledge. The commanding of the respect and confidence of the colleagues, students, parents, and, in general, of the society needs the highest possible degree of ethical and professional conduct. Teachers are committed to values, democratic society -freedom to teach, write debate and study in a healthy and conducive atmosphere. The reputation of a Institute depends strongly on the quality of its teachers, students and performance of the graduates in rest of the world. The University/affiliated Institute or College is only as strong as its human resources. Teachers should recognize the importance of the pursuit of truth, and devotion of</p>

excellence. They accept the responsibility of the highest ethical standards. They make determined efforts to foresee the implications and consequences of their scholarly and scientific work. Hence, teachers work hard to raise the professional standards and to promote a healthy academic Environment. In the current era of access to the information to anyone, anytime and anywhere, teachers need to become mentor and inspirational source. The College shall provide an environment of equal opportunity, free from any discrimination, for faculty members.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Student Induction Program	01/08/2019	21/08/2019	104
Celebration of Independence Day	15/08/2019	15/08/2019	300
Celebration of Engineers Day	15/09/2019	15/09/2019	500
Celebration of Republic Day	26/01/2020	26/01/2020	10
3D Printing Technology	27/02/2020	03/03/2020	30
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Initiatives have been taken by the institution to make the campus ecofriendly by Providing facility to Students and staff using a) Bicycles b) Public and college bus Transport d) Pedestrian friendly roads e)Plastic-free campus f) Paperless office g)Green landscaping with trees and plants The Institute is very conscious towards conservation and safety of the environment. Know Green and Think Green is promoted on the campus. The college has a canopy of trees and plants that make the environment carbon dioxide free and to maintain health of all the inmates. These natural plants and greenery, both inside and outside the campus. The garden has palm trees, neem trees and other varieties of trees, which provide shade and a beautiful ambience. Lawns and plants dramatically reduce noise pollution in the campus. All classrooms and Library of the Institute are well-structured with natural illumination and ventilation with minimal usage of artificial illumination. Institute inspires and continually reminds the students and staff to conserve energy in the form of placard that are placed in and around the campus. The college undertakes various activities

through N.S.S. like water and power management. The campus promotes Water conservation and prevention of water wastage. Waste water is used for gardens by using drip/sprinkler irrigation system to save water. In the campus Proper arrangement of landscape plants around buildings substantially reduce both heat loss and cold air infiltration through walls and floors during the winter months. All staff students are encouraged to use of public transport (ST Mahamandal) and College bus and bicycles. The college buildings are designed in such a way that the broad day light commensurate the required ventilation and sunlight, to save extra power for bulbs and fans. Implementation of energy saving techniques is ensured as lights and fans are switched off by students, peons and staff members after completion of their work. Fans are used as per requirement only. The college promotes paperless academics and administrative functioning. College notices are informed to students via whatsapp created by departmental class wise groups or emails to students. College promotes for the plastic free campus through avoiding the plastic food package bags, plastic tea cups in the canteen, using reusable utensils glass or steel cups for drinking water. Large number of dustbins also provided at all major parts of the campus. These activities control campus pollution. Swachh Bharat Pledge is also taken from all staff students. Trees are planted in the campus every year on various occasions and around 2000 plants have been planted so far in campus. To create eco-friendly awareness among the students, college regularly organizes lectures on energy conservation. Students, staff and administration work together to produce the best results raising green awareness and helping to push the environmental friendly agenda in front of campus.

## 7.2 – Best Practices

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

A. Academic Monitoring 1. Title of the Practice Academic Monitoring 2. Objectives of the Practice The objective of the practice is to monitor the regular completion of academic activities like workload allotment to teachers, preparation and display of timetable, conduct of regular lecture-practical's, alternate workload adjustments, conduct of continuous assessments and getting, evaluating student feedback and we are following OBE system. The practice aims to monitor the overall teaching learning process to ensure that the students get the best of knowledge. 3. The Context The context of this practice lies in the need to ascertain that teaching learning process is going on as per the predesigned and Academic Calendar to ensure the expected outcomes. To achieve the educational objectives it is important to continuously ensure ? Clarity in the academic schedule to both staff and students ? Prescribed syllabus is completed in time as per the session plan and Academic Calendar ? proper time is allocated to each subject as per syllabus recommendations ? Regular attendance is marked in attendance sheet ? Feedback is sought from the students regarding the faculties, Curriculum and facilities which will help in improving the system and academics under continuous tracking. 4. The Practice Academic monitoring is done through Dean Academic. ? Time table In-charge makes time table as per workload allotted to faculty. That list verifies by HOD and Dean Academic, show to the Principal for final approval. It is communicated to teachers and displayed for students. ? Teachers prepare teaching and Practical plan for each subjects assigned. ? Every teacher makes entry of lecture/practical's conducted in the "Faculty daily". ? Teachers have to adjust workload before going on Leave. ? Before each sessional examination and University examination, a meeting of every class is called wherein the class representatives the topics covered for every subject conducted by HOD with Dean Academic and Principal. In case if the topic covered are less than the Planned chapters, corrective measure like extra lectures are suggested. ? The schedule for "Continuous Assessments (CA-I/CA-II/MSE)" is prepared for all subjects by the class teachers with subject teachers. It is displayed on notice board for

the students. ? Record of such meeting is reviewed by the Principal. ? Students' feedback about teacher performance is obtained at the twice in the semester. The summarized result is discussed with individual teacher by the Principal. As per recommendations of the University Grant Commission, "Higher Education in India: Issues, Concerns and New Directions" academic monitoring and involvement of students in the process and seeking their feedback is recommended. The practice being followed in the institute is aimed to achieve objectives of these recommendations. 5. Evidence of Success Academic monitoring has resulted in the improvement of overall quality of teaching learning process. Under the guidance of consulting HOD and Principal one faculty from each department is appointed as departmental academic Coordinator. These faculties prepare academic calendar at the beginning of each semester which includes different activities like (CA-I/CA-II/MSE), assignment execution, industrial visits, Cultural social technical activities etc. and schedule of meetings with Principal and HOD. Academic coordinator is responsible for maintaining records of monthly attendance, status of syllabus completion and records of GFM activities. GFM is a guardian faculty member of a particular class who plays important role in mentoring of students, monitoring their attendance, preparation of monthly attendance. GFM also acts as mediator between institute and parents. Through assessment if the student found weak in any subject, counseling is done by class teacher along with subject teacher. Student feedback is playing crucial role in improvising teaching quality as regular feedbacks are taken regarding teacher performance as well as about supporting facilities. The success can be measured through academic records of the College and help in improve in academic results 6. Problems Encountered and Resources Required The semester pattern and continuous assessment system spares very less time for tracking work and implementing the feedbacks. Many times central admission process by Government for first year and directly admitted to second year students get delayed which affects the number of academic days available for effective teaching. Also semester pattern consume almost three months for midterm and annual exams sparing less time for teaching-learning process as well as to carry out co-curricular/extracurricular activities. Few students used to hesitate in the beginning to participate in monitoring and express their views in the feedback. This issue was resolved soon once they realized that the monitoring system is for their benefit. 7. Notes Academic monitoring is very important to ascertain that teaching learning process is going on as per stated objectives and time course. Generally activities regarding teaching processes are well planned before the academic session begins. But planning does not ensure the implementation. Therefore continuous monitoring is required to ensure that activities are being implemented in a desired time frame covering all aspects. A monitoring system creates a sense of reporting and responsibility in the people involved. Only end point monitoring leaves no scope for the corrective actions. Since everyone from academic Dean and HOD to the class teacher is involved in the monitoring process, it maintains transparency and ensures evaluating and understanding teaching learning from all views. Need for necessary measures like remedial classes, extra lectures is realized at the right time. B. Book Bank Scheme 1. Title of the Practice Book Bank Scheme for students 2. Objectives of the Practice One of the main goals of the Institution is to help the poor students who cannot afford and ensure they are educated by providing Textbook and reference book. Keeping this objective in mind the institution ensures that book bank is made available to as many needy students as possible. 3. The Context: A large number of students are coming from economically rural, poor background, and hence are unable to even pay their fees. Since the Institution has taken initiative to bring these students from the quagmire of poverty, all efforts are made to ensure students are provided with all the possible support to make them graduates and help the cause of nation building. Book Bank scheme is unique in our Institution which is extended to a large number of students. 4. The

Practice: Immediately after the admission at the beginning of the term, notices are issued asking the students to apply for the scheme. On receipt of the applications, they are scrutinized by HOD and books are distributed to the deserving needy students after conducting personal interview or time to time policy of the students. The book bank scheme is executed through HOD recommended student list which ensures that maximum students are benefited through this scheme. 5. Evidence of Success: The Institutions has successfully increased the number of Books which are distributed under the book bank scheme. More and more students have shown interest in availing the Facility and as such it has also contributed to the steady increase in the results of the college. The Number of books distributed under book bank scheme during every year for all first year engineering and some needy each department students. 6. Problems Encountered Resources Required: Identifying those who are really in need of this facility due the family back ground becomes a huge challenge. Some of the students may be really very poor , so channelizing the resources to those who are desperately in need becomes a major problem as some times it may so happen that a slightly better off student may get the facility ahead of those who need it, but could not get the same. 7. Notes This objective of the institution ensures that book bank is made available to as many needy students as possible help them to solve their problem.

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

<https://ftccoe.ac.in/institute-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

The Vision of our institute is \_\_\_\_\_ "To be the prime institute of professional education and Research in the benefits of the society." Our college is established by our Founder Late Hon. Birasaheb A. Rupnar, a successful industrialist and Managing Director of Fabtech project, Pune in the outskirts of Sangola nearly 4 k.m. away from city, with the purpose of providing professional education to the students from surrounding rural areas. The college was established with the aim to educate the people in the surrounding areas which are infested with poverty, drought-prone region, Farming background areas and other social - economic issues. The peoples are socially dependant on farming. The majority of students are from economically backward category. Such students are admitted in the college with the provision of under 'Fee waiver scheme and financial support to student activities'. Poor and needy students are given concession in tuition fee, in addition we have given assistance to the students in the form of free books through Book Bank Scheme. We offer installment facilities to students to pay fees thus helping them to spread and sustain the economic burden. This facility is also extended to students from Self Financing Section, where the fees is comparatively higher than the Aided Section. Institution not only encourages students to participate but also provides financial support. A consistent effort has always been made for the technical skills development of the enrolled students organize through Technical Event, also college provided amount along with local sponsorships. The college promotes human values and motivates the students towards ethical practices. Institute also promotes our students to participate in technical events organized by other colleges which are in near vicinity. For the industry exposure institute conducted industrial visit. To Clarify the basic concepts of various subject and to get practical experience, institute used to arrange the guest lectures. Institute provides concession in hostel fee for the students from the drought prone areas as a part of social integrity. During parents meet institute conducts felicitation ceremony of the class toppers in final



university examination. Institute gets sponsorship for the final year projects of the students from outside agencies. Some of the final year projects which are part of curriculum research oriented. Before each sectional examination and University examination, a meeting of every class is called wherein the class representatives affirm the topics covered for every subject. In case if the lectures conducted are less than the mandated numbers, corrective measure like extra lectures are suggested. "Remedial lectures" are arranged. Student's feedback about teacher performance is obtained at the end of each semester. The summarized result is discussed with individual teacher by the Principal. The main objective of this is to achieve the best result in university for all classes and branches and overall development of the students. Student's development point of view concerned with overall academic and competitive development of the students. It consists of all the necessary guidelines for the student's development.

Provide the weblink of the institution

<https://ftccoe.ac.in/institutional-distinctiveness/>

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

1. To institute establish a 3D printing centre of excellence laboratory. 2. To increase the number of smart class rooms in the academic departments 3. To enhance collaborative research among the departments and to take initiative for inter institutional collaboration. 4. To publications on multidisciplinary research. 5. To encourage students for research activities. 6. To conduct Green audit and Energy audit. 7. To strengthen alumni interaction. 8. Organization of more number of seminars/workshops on IPR, Methodologies in Quality teaching learning. 9. To enhance the participation of faculty members and students in NPTEL online courses. 10. To publicize the Institute's Expertise in specific areas for attracting consultancy. 11. To implement governance in areas like student admission and support, administration, finance, examination, etc.