



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	SHREEYASH PRATISHTHAN'S SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr.R.S.Pawar
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02406608702
Mobile no.	9049989805
Registered Email	sycet@yahoo.com
Alternate Email	principal@sycet.org
Address	Gut.No.258(P),Beed Bypass Road,Near SRPF Camp,Satara Parisar
City/Town	Aurangabad
State/UT	Maharashtra
Pincode	431010

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>private</b>
Name of the IQAC co-ordinator/Director	<b>Vilas Wamanrao Patil</b>
Phone no/Alternate Phone no.	<b>02406608741</b>
Mobile no.	<b>9403760722</b>
Registered Email	<b>vilas.patil@sycet.org</b>
Alternate Email	<b>vb_patil27@rediffmail.com</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://sycet.org/naac/aqar/sycet-aqar.php">_https://sycet.org/naac/aqar/sycet-aqar.php</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://sycet.org/naac/aqar/calendar/sycet-naac-aqar-calendar.php">https://sycet.org/naac/aqar/calendar/sycet-naac-aqar-calendar.php</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>C</b>	<b>1.79</b>	<b>2016</b>	<b>16-Sep-2016</b>	<b>15-Sep-2021</b>

<b>6. Date of Establishment of IQAC</b>	<b>30-Sep-2016</b>
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**7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
<b>Project Base Learning and</b>	<b>09-Dec-2019</b>	<b>100</b>

Monitoring	1	
Awareness Programme on Intellectual Property Rights	11-Jan-2020 1	119
<a href="#">View File</a>		

**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
NIL	NIL	NIL	2020 0	0
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

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

1] Conducted Academic and Administrative audits by TUV NORT Certification,Pune 2] Interacting with all Heads in every week for Maintaining and Sustaining Quality Education 3] Industrial Live Projects [ GIZ ] 4] Ready Engineer Programme [ Tata Technology ] 5] Motivated to Faculty Members for Attending the FDP 6] NPTL Online Courses and Certification for the Faculties and Students

[View File](#)

**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
Ready Engineer Programme [ Tata Technology ]	complited the Ready Engineers programme by the students
Industrial live projects [ GIZ ]	complited the live industrial projects under GIZ
Motivated to faculties members to increase industries Institute Interaction	Most of the faculties carried out Inplant trainings with students
Motivated to faculty members for attending the FDP	Most of the faculties complited FDPs
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
IQAC Committee	01-Dec-2020

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2019
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Date of Submission	19-Jan-2019
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<b>17. Does the Institution have Management Information System ?</b>	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	<p>ERP System: 1] Time Table : In Time Table Module Master Time Table and Individual Time Table can be loaded. Modification , Updatation and Edit facilities are avaiable in the Time Table Module 2] Attendance : Sub Modules are like Lecture wise Bulk Attendance,Lecture Wise Report,Daily Progress Report[ Specilization wise ] . Faculties can Mark the Present and Absent in the Attendance Module. It is usefull for Maintaining the attendance record. To carry out the defaulter list for the respective months 3] Session Planning :In Session planning their are three sub head like Chapter, Topics and Session Plan. Faculties can add the chapter first ,topics contains and</p>
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course plan in the session planning module 4] Student Information: it is usefull for doing the Admission of the S.E.,T.E and B.E. Students. 5] Class Information:In Class Information their are sub Modules like Class subject mapping, Roll no. Allocation,Student Subject Mapping , Subject faculty Mapping , Promote Students,Practical Batch Allocations,Etc 6] Institute Information:In Institute Information their are sub Modules like Institute,Programme, Department,Semeste r,Specilization,Institute Mission , etc. it gives the clarity about institute and courses which are running in the SYCET .

## 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

1 The institution follows the curriculum prescribed by the affiliating university, Dr. Babasaheb Ambedkar Technological University (DBATU) for First year, Second year and Third year. 2 The institution follows the curriculum prescribed by the affiliating university, Dr. Babasaheb Ambedkar Marathwada University (BAMU) for Final year. 3 The institution develops action plans for effective implementation of the curriculum prescribed by BAMU & DBATU. 4 The academic audit committee is set up at institute level to facilitate curriculum planning, implementation, assessment and monitoring. 5 In the beginning of the academic year, the Principal prepares an academic calendar with the consultation of heads of various departments. 6 The time table for the class is prepared. 7 The activities like class test, practical examination, seminar, as planned in the academic calendar are monitored by HOD, Principal. . 8 Course files and Lesson plans are maintained by each faculty for their respective subjects and they were reviewed on a continuous basis by the HOD , Principal. 9 The regular HODs, meetings and department meetings helps in taking suitable measures for the effective implementation of the academic process. 10 The syllabus, question papers, notes, NPTEL materials, PPTs, lab manuals for each subject are provided in the department.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
TATA Ready Engineer Program	Certificate Course	15/07/2019	365	Industrial Interface	Technical Knowledge

#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction

PhD or DPhil	Mechanical Engineering	24/11/2020
<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	T.Y. final year Civil Engg., Mechanical Engg., Computer Science Engg., ETC Engg., Electrical Engg.	10/07/2019
MBA	Finance, Marketing, Production, IT, HR	17/08/2019
Mtech	Mechanical Engineering, Structural Engineering, Computer Science Engineering, Electronics and Telecommunication Engineering	17/08/2019

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

	Certificate	Diploma Course
Number of Students	22	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
"Connect With Work" Rubicon Skill Development Pvt	22/05/2020	143
<a href="#">View File</a>		

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	Inplant training	117
BTech	GIZ Field Projects	55
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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

1.Principal and HOD visit the various class rooms and interact with students, individual feedback from the students is taken in prescribed format, after receiving the feedback forms, discussion will be made on major issues immediately in the class room. Detailed summary report of the feedback is prepared by HOD and submitted to the principal with corrective actions taken. 2.Class teacher will interact with Parent to get the Parents feedback. 3. TPO will get feedback from employers after Job fair or recruitment about his performance and scope of improvement. 4. Principal will take teachers feedback through HOD.

## 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
Mtech	E&TC - [(F.Y.), (S.Y.)]	36	5	5
Mtech	CSE - [(F.Y.), (S.Y.)]	36	2	2
Mtech	Mechanical - [(F.Y.), (S.Y.)]	36	5	5
Mtech	Civil Structure - [(F.Y.), (S.Y.)]	36	18	18
BTech	Mech - [(F.Y.), (S.Y.), (T.Y.) and (Final Year)]	420	331	331
BTech	Civil - [(F.Y.), (S.Y.), (T.Y.) and (Final Year)]	420	362	362
BTech	E&TC - [(F.Y.), (S.Y.), (T.Y.) and (Final Year)]	240	48	48
BTech	CSE - [(F.Y.), (S.Y.), (T.Y.) and (Final Year)]	240	132	132
BTech	EE - [(F.Y.), (S.Y.), (T.Y.)]	210	173	173

	and (Final Year)]			
MBA	MBA - [(F.Y.), (S.Y.)]	120	68	68
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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	1047	98	84	17	4

## 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
101	49	8	7	7	8

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

[View File of E-resources and techniques used](#)

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

The Institution has Teacher-Guardian scheme for mentoring students where up to 20 students are assigned to one teacher. Student of first year is allotted to respective teacher guardian from First Year Engineering department. As student Progress to the next year then after that specific department take the data from first year engineering department and allot the respective departmental staff and first year engineering department staff is allotted with new first year students. The complete record of each student is available and updated with the teacher guardian for student's entire four years of stay in the institute. Teacher guardians are expected to be in constant touch with his/her mentee and available any time to resolve their queries and supports them to advance in career. Teacher guardian is also entrusted to be in touch with the parents of the student attached to them. Teacher guardian finds out slow and fast learners through evaluation process set by the institute. Slow learners are mentored through interactive sessions by Teacher-Guardians. Faculties take every possible effort such as conduct of remedial sessions, special assignments, counselling, planning of studies etc. to improve academic performance of these students. Slow Learners are also given question banks and model answers. The institution insists the teacher guardians to offer a variety of academic opportunities for advanced learners encouraging them to participate in various competitions and events, entrust leadership responsibilities for events, involve them in industry based projects and nominate them for national level conferences, help them to publish technical papers. Advance learners are encouraged to appear for the NPTEL courses. It becomes a duty of Teacher guardian to encourage his/her students to become members of professional bodies such as IETE, ISTE, IEEE and Institution level clubs such as Avishkar group, GIZ Project group member, TATA Ready Engineer, HACKATHON participation group etc. The advance learners are encourage to form departmental level student association and given the responsibilities of Executive body and take along slow learners in the activities of these clubs such as Mechanical Engineering Student Association (MESA), CESA, EESA, ETESA etc. Special Mathematics tutorials are conducted for first and second year students to enhance their level of Mathematics. Communication skill lecture is added in the class time table of each department to enhance their Communication Skills. When new students enter an institution, they come with diverse mind-sets and backgrounds. It is important to help them to adjust in the new environment. In order to prepare newly admitted students for the professional studies, a special Orientation Program is conducted at the beginning of the first semester for duration of 07 days.



Special skills such as free hand sketching, mind maps technique, communication, goal setting, logic building, yoga, meditation, tracking etc. are covered in this orientation program. The orientation program also includes the special event called 'open-up session' in which each and every student shows her hidden talent. This helps to boost confidence of advance learners and to gain confidence in the case of slow learners.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1145	101	1:11

## 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
Nil	Nil	Nil	Nil	Nil

### 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	Dr. R. S. Pawar	Principal	Dewang Mehta Education Leadership Award
2020	Prof. A. U. Karadkhele	Assistant Professor	Best Teacher Dronacharya Award by Lions club, Aurangabad
2020	Prof. N. A. Ahire	Assistant Professor	IIT Bombay Research fellowship for pursuing Doctoral program at IIT Bombay in Electrical Engineering domain
2020	Dr. R. S. Pawar	Principal	Principal in Professor's Grade at Shreeyash College of Engineering and Technology, Aurangabad by Honourable Vice-Chancellor of DBATU Lonere

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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	[211261210] , [211219110] , [211229310] , [211224210] , [211237210],[211235610]	Final Year	20/10/2020	15/12/2020
BTech	[211261210] , [211219110] , [211229310] , [211224210], [211237210]	TY Year	12/06/2020	12/07/2020
BTech	[211261210], [211219110], [211229310], [211224210] ,[211237210]	SY Year	12/06/2020	12/07/2020
BTech	[211261210] , [211224210] ,[211219110], [211229310] , [211237210]	FY Year	12/06/2020	12/07/2020

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

CIE system at the institutional level starts with the interaction of faculty member at the starting of semester by discussing the syllabus of the course and its COs, POs and question paper pattern with the students by the each subject teachers in the beginning of the new session. In the institute, Continuous Internal Evaluation (CIE) is done by conducting two internal exams such as class test-I and class test -II, in addition, assignments, group discussion, preliminary examination, seminar, project, inplant and viva-voce during each semester. Internal assessment marks are awarded on the basis of performance of student in class test-I and class test -II, marks obtained in assignments, viva, participation in different activities like competitions, workshops, seminars, industrial training/ internships, sports etc. Reforms in Tests:- ? Question bank is provided to students before tests. ? Well-planned study sessions are conducted for students after the declaration of test results for each subject. Respective subject teacher is available in the class. Students prepare for the subject and get the doubts clarified immediately from the teacher. ? This reform has helped to improve the performance of students in internal as well as external examination Reforms in Assignments:- ? Assignments are given to students for all the subjects. ? Some assignments are numerical orientated based on the application of the theory knowledge. ? Few assignments are derivation orientated based on prove that type questions. ? Additional assignments including challenging questions are given to students in the form of multiple choice questions. ? This reform improves the result of the students in practical/oral and university examination. Reforms in Seminar Evaluation:- ? The total seminar activity schedule of the semester in the form of seminar time table is provided to the students at the beginning of semester. ? Seminar diary is to be prepared and maintained by a student which includes the research papers, guide discussion points, important books chapters etc. ? Seminar guide monitors and verifies the seminar completion status on weekly basis. Every month seminar review is conducted. ? Three seminar reviews were conducted which track the progress of the students. ? This reform increases the presentation and report writing skill of students. Reforms in Industrial Training Evaluation:- ? Each faculty member is assigned with 10 students for in plant

training at various industries. ? Faculty member regularly visits the respective industry during the training period of the student to monitor the progress of student. ? Evaluation of industrial training of student is done based on the report submission, mentor observations during training and finally oral presentation at college. Reforms in Project Evaluation :- ? Project diary is to be prepared and maintained by a student group which includes the research papers, guide discussion points, important books chapters etc. ? Project guide monitors and verifies the project completion status on weekly basis. Every month project review is conducted. ? Three project reviews were conducted which track the progress of the students.

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

The Academic Calendar for the Semester is prepared prior to start of each semester giving due consideration to the academic schedule declared by affiliating DBATU and Dr. BAMU University. Academic Calendar is uploaded on the Institution website and also displayed on all Notice boards. There is separate academic calendar for first year and Direct second year student in the first semester while in the second semester single academic calendar is made from first to final year. The Academic Calendar consists of dates for commencement of classes for odd and even semesters, dates for class test-I, class test-II, mid-semester, preliminary examination, term end, submission, display of defaulter list, last working day, dates of major events, different celebration of days like independence day and republic day, commencement of end semester oral / practical examination etc. The schedule mentioned in academic calendar is strictly followed by the institution. The list of holidays for the Institution is displayed for the students and the staff well before the commencement of the semester classes to plan their teaching and learning activities. The micro planning for project completion is done at the start of the semester with respect to academic calendar. The university communicates the specific date for internal marks submission as well as external practical marks submission on its portal. Each subject teacher uploads the respective marks on the specified date and submits its hard copy to university on given time through exam coordinator. Internal Exams are conducted strictly as per the dates declared in academic calendar. The coronavirus pandemic (COVID-19) has resulted in the closure of college across the country. Due to which the teaching methodology in institute has changed dramatically for the last two and half months of second semester. In our institute there is a considerable rise of e-learning, where teaching of remaining academics was executed remotely from the teachers at their house via digital platforms like google meet, zoom, webex, youtube channel, google classroom. Teachers and students both entered into a new world of virtual lectures, tutorials, class test, mid-semester examination and its assessments, online submission. E-learning poses a challenge to both students and teachers over technology and access, institute tried its level best to conduct the remaining activities of academic calendar such as class test, mid-semester, submission, oral/practical examination through online digital platform. Even though before the COVID-19 outbreak, e-learning tools was used by the faculty in terms of PPTs, Pdf, google forms, survey forms but due to pandemic there use was increased tremendously. The performance and learning ability of students is easily tracked in online classes. In online mode, data of every student is individually stored and digitally tracked. While digital tools enable teachers to easily track students with online learning, the same cannot be done with face-to-face learning. Online learning, which came as a solution for the crisis, is increasingly seen as a new paradigm in the field of education.

## 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://sycet.org/naac/agar/po-co-peo/sycet-pos-peos.php>

### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
211224210	Mtech	CSE	2	2	100
211221210	Mtech	Structure	12	6	50
211237210	BE	E&TC	7	6	85.71
211224210	BE	Computer Science and Engg.	17	16	94.11
211219110	BE	Civil Engg.	55	54	98.18
211210110	MBA	MBA	38	33	86.84
211261210	BE	Mechanical Engg.	46	42	91.30
211229310	BE	Electrical engineering	33	23	69.69
211235610	BE	Electrical Electronics & Power	1	1	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://sycet.org/naac/agar/sss.pdf>

## 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
Major Projects	365	SYCET	170500	170500
Major Projects	365	GIZ	200000	200000
Minor Projects	365	self	33900	33900

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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
Expert talk on Employee Stock Options for Startups its benefits	ETC	12/10/2019
Expert Talk on Artificial Intelligence	CSE	22/07/2019
Expert Talk on Machine Learning	CSE	21/07/2019
Expert talk on Current Industry Trends	CSE	10/02/2020
Expert talk on Data Analytics	CSE	06/02/2020
Expert Talk on Database Management	CSE	12/02/2020
expert talk on "Six Sigma	CSE	28/08/2019
Expert Talk on Recent Trends in Induction Motor , Lab Practice-Electrical Machines-II	EE	18/10/2019
Expert Talk on Biomass Energy for pollution Free Environment	EE	01/10/2019
S.S. Control Systems Private Limited MIDC Waluj,Aurangabad	EE	14/09/2019
Equipment used in substation and role of Substation	EE	28/09/2019
Expert Talk on 'Electric Vehicle'	Mech	19/07/2019
Expert Talk on GD PI.	Mech	02/08/2019
Expert Talk on Neuro Lingual Program	Mech	19/10/2019
Industry Cell Ingauration	ETC	10/09/2019
Awareness Programme on Intellectual Properties Rights	IQAC Cell	11/01/2020

### 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
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Manoj Krushna Phalke	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering	Imran Aslam shaikh	TATA Technologies	17/12/2019	National Level

Design, Analysis Manufacturing				
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Tandale Harish Raju	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Chipate Utkarsh Anil	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Bhajane Rohan Prabhu	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Akash Sundar Rathod	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Atul Parmeshwar Chatse	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Bedwal Kiran Ratansing	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Adityasingh Dipaksingh Suryawanshi	TATA Technologies	17/12/2019	National Level
Fundamentals of Automobile Engineering Design, Analysis Manufacturing	Adinath Dashrath Kshirsagar	TATA Technologies	17/12/2019	National Level
<a href="#">View File</a>				

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
No file uploaded.					

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

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	Nil

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	CIVIL	7	3.2
International	ETC	1	2.6
International	MECH	2	2.6
<a href="#">View File</a>			

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	6
<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
Comparison between with and without Horizontal Bracing on Sloping and Plain Ground: Seismic Zone III	Pathak K.K	International Journal of Structural Engineering and Analysis ISSN: 2456-5326, Vol. 6: Issue 1, www.journalspub.com	2020	4	1	4
Clinical Applications and Importance	A. N. Shaikh	International Conference on	2019	0	0	Nil

of Conventional to 3-D Digital Imaging Techniques in Dentistry: An Overview		Modeling, Simulation and Applied Optimization				
SURFACE INTEGRITY EXAMINATION OF MACHINED SPECIMENS BY USING ATOMIC FORCE MICROSCOPY	Hulas R. TONDAY	U.P.B. Sci. Bull., Series D, Vol. 82, Iss. 1, 2020 ISSN 1454-2358	2020	0	1	Nil
A Critical Study of Paradigms and Perspectives for Advancement of E-Entrepreneurship	Hulas Raj Tonday	International Journal of E-Entrepreneurship and Innovation Volume 9 • Issue 2 • July-December 2019	2019	0	1	Nil
Literature Review on Structures Subjected to Material and Geometric Nonlinearity	Inamdar Zakeer Ahamed Kadir Ahamed1 , Nitin S. Vaidkar2 , Arvind B. Vawale2 , Pradeep Sudhakar Bhalage	Journal of Structural Engineering and Management, ISSN: 2393-8773	2020	0	1	Nil
Static and Dynamic Performance of RCC Framed Structure Subjected to Geometric and Material	Inamdar Zakeer Ahamed Kadir Ahamed1 , Nitin S. Vaidkar2 , Arvind B. Vawale	Journal of Structural Engineering and Management, ISSN: 2393-8773	2020	0	1	Nil



Non Linearity						
Dynamic Analysis of Railway Track and SSI Effect	K.A. Puranik1, , A.B. Vawhale	Journal of Structural Engineerin g and Management ISSN: 2393-8773 (Online) Volume 6, Issue 1	2019	0	1	Nil
Impact of Sugarcane molasses on Compres sive trenchth and Workab ility	Jalinder Dawkar, Vaibhav Chavan. Govind Dake	Internat ional Journal of Structural Engineerin g and Analysis ISSN: 2456-2335, Vol. 6: Issue 1, w ww.journal spub.com	2020	0	1	Nil
Comparat ive Study of Shear and Flexural Strength for various parameters on Hardened High Strength Fibre Reinforced Concrete Beam (HSFRC) for M70 and M80 Grade	Rakhi Harsing Nimbhore	ICCIP	2019	0	0	Nil
Use of Recycled Aggregates in Concrete to Achieve Characteri stic Strength	Vijay H. Nimbhore1, , Rakhi H. Nimbhore1	Internat ional Journal of Concrete T echnology, ISSN: 2456-8317, Vol. 5: Issue 2	2019	0	1	Nil

M50 with  
Addition  
to Steel  
Fiber

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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
Use of Recycled Aggregates in Concrete to Achieve Characteristic Strength M50 with Addition to Steel Fiber	Vijay H. Nimbhorel, , Rakhi H. Nimbhorel	International Journal of Concrete Technology, ISSN: 2456-8317, Vol. 5: Issue 2	2019	Nil	1	1
Comparative Study of Shear and Flexural Strength for various parameters on Hardened High Strength Fibre Reinforced Concrete Beam (HSFRC) for M70 and M80 Grade	Rakhi Harsing Nimbhore	ICCIP	2019	Nil	Nil	0
Impact of Sugarcane molasses on Compressive strength and Workability	Jalinder Dawkar, Vaibhav Chavan. Govind Dake	International Journal of Structural Engineering and Analysis ISSN: 2456-2335, Vol. 6: Issue 1, w	2020	Nil	1	1

		ww.journal spub.com				
Dynamic Analysis of Railway Track and SSI Effect	K.A. Puranik1, , A.B. Vawhale	Journal of Structural Engineering and Management ISSN: 2393-8773 (Online) Volume 6, Issue 1	2019	Nil	1	1
Static and Dynamic Performance of RCC Framed Structure Subjected to Geometric and Material Non Linearity	Inamdar Zakeer Ahamed Kadir Ahamed1 , Nitin S. Vaidkar2 , Arvind B. Vawale	Journal of Structural Engineering and Management, ISSN: 2393-8773	2020	Nil	1	1
Literature Review on Structures Subjected to Material and Geometric Nonlinearity	Inamdar Zakeer Ahamed Kadir Ahamed1 , Nitin S. Vaidkar2 , Arvind B. Vawale2 , Pradeep Sudhakar Bhalage	Journal of Structural Engineering and Management, ISSN: 2393-8773	2020	Nil	1	1
A Critical Study of Paradigms and Perspectives for Advancement of E-Entrepreneurs hip	Hulas Raj Tonday	International Journal of E-Entrepreneurship and Innovation Volume 9 • Issue 2 • July-December 2019	2019	Nil	1	1
SURFACE INTEGRITY EXAMINATION OF MACHINED	Hulas R. TONDAY	U.P.B. Sci. Bull., Series D, Vol. 82,	2020	Nil	1	1

SPECIMENS BY USING ATOMIC FORCE MICROSCOPY		Iss. 1, 2020 ISSN 1454-2358				
Clinical Applications and Importance of Conventional to 3-D Digital Imaging Techniques in Dentistry: An Overview	A. N. Shaikh	International Conference on Modeling, Simulation and Applied Optimization	2019	Nil	Nil	0
Comparison between with and without Horizontal Bracing on Sloping and Plain Ground: Seismic Zone III	Pathak K.K	International Journal of Structural Engineering and Analysis ISSN: 2456-5326, Vol. 6: Issue 1, www.journalspub.com	2020	6	4	1
<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
Attended/Seminars/Workshops	Nil	Nil	Nil	992
<a href="#">View File</a>				

### 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
NSS	Shreeyash College of Engg. and BAMU Aurangabad	5	150
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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
TATA Ready Engineer	Recognition: All over India 9th and 10th rank to our students	TATA Teechnologies	2
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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
Help to flooded area people	SYCET	Help to flooded area people	2	10
Blood Donation	SYCET	Blood Donation	4	95
Tree plantation	SYCET	Tree Plantation	3	107
Tiranga Padyatra	ABVP	Tiranga Padyatra Rally 2222 feet	2	55
<a href="#">View File</a>				

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
Research Proposal	02	Dr. Babasaheb Ambedkar Technological University, Lonere	730
Research Proposal	02	Dr. Babasaheb Ambedkar Technological University, Lonere	730
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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
Inplant training	Industry Institute interaction	CAD/ CAM Tool Room, Plastic Processing Testing, Aurangabad	02/01/2020	14/01/2020	1

Inplant training	Industry Institute interaction	Mahatransco, Renapur, Latur	01/01/2020	05/01/2020	1
Inplant training	Industry Institute interaction	360DigiTMG	19/04/2020	19/04/2020	4
online training	Industry Institute interaction	Udemy Academy	28/05/2020	28/05/2020	4
Inplant training	Industry Institute interaction	TCS ION ,DIGITAL LEARNING HUB	26/04/2020	06/05/2020	6
Inplant training	Industry Institute interaction	HAYAT BUIDCON	16/06/2019	30/06/2020	1
Inplant training	Industry Institute interaction	Samidha Electrical Corporation, Aurangabad	23/12/2019	07/01/2020	4
Inplant training	Industry Institute interaction	Mahavitaran, Jublee Park, Aurangabad	27/12/2019	10/01/2020	2
Industrial Visit	Field trip	Industrial Visit at Endress-Hauser	27/08/2019	27/08/2019	40
Inplant training	Industry Institute interaction	ZEN EVENTS PROMOTIONS	23/12/2019	08/01/2020	4
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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
GIZ	27/09/2019	Industry problem solution by students through industry projects	68
Ready TATA Engineers	23/02/2019	Technical Skill Development using Catia V5 software	25
Bhandari Electricals	24/09/2019	Industry projects	Nil
Ecosense Appliance Pvt. Ltd.	23/10/2019	Industry projects	Nil
Toshiwa Solar Pvt. Ltd	24/09/2019	Industry projects	Nil
Silhouettez, Pvt.	07/10/2019	Industry projects	Nil

Ltd.

[View File](#)**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
46.25	22.34

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
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
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Campus Area	Existing
Class rooms	Existing

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**4.2 – Library as a Learning Resource**

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
DELPLUS	Partially	2.0	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18777	5743974	177	71327	18954	5815301
Reference Books	1801	869959	72	32235	1873	902194
e-Books	1672	Nil	90	Nil	1762	Nil
Journals	78	208149	78	208149	156	416298
e-Journals	38891	72216	38891	72216	77782	144432
Digital Database	1180	25000	1180	25000	2360	50000
CD & Video	740	Nil	5	Nil	745	Nil

Library Automation	1	13570	Nil	Nil	1	13570
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nil
No file uploaded.			

#### 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	468	13	155	0	1	1	7	155	0
Added	0	0	0	0	0	0	0	0	0
Total	468	13	155	0	1	1	7	155	0

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

155 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
NIL	Nil

#### 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
198	111	54	40

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)

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) Library procedure: The library collects duly filled recommendation form from the departments for purchasing books. ? The book which are already available and the books of which sufficient number of copies are present in the library are eliminated from the recommendation list. ? Quotations are called from at least 2-3 reputed suppliers and the quotations are discussed and compared by the principal. Final order is ordered to the supplier whose quotation is approved in meeting. ? A copy of order is submitted



to the accounts section for their records. Procedure for It Maintenance: System administrator and Technical assistants are working in CSE Department. ? The task of system administrator is to establish and maintain IT infrastructure in the campus. ? Computer systems in the college are connected with LAN connectivity. ? Licensed softwares and open source tools are available as per requirement. ? Inspection and servicing activities are being carried out once in semester. ? If the IT related equipments are not working properly then concerned person should report to the Principal through HOD then complaint is forwarded to CSE department. ? The complaint will be resolved on urgent basis. Procedure for Civil Infrastructure Maintenance: Housekeeping and Gardening ? Supervisor is appointed in our institute for cleanliness and it is maintained with the help of separately recruited housekeeping staff. ? Each housekeeping staff cleans his assigned area twice a day. ? Six gardeners are recruited to take care of the lawn in the campus. ? Lawn and nursery is maintained on STP Water. Other Maintenance ? Admin officer is appointed to take care of routine maintenance of infrastructure and furniture in lab ? In case any requirement or maintenance related issue, Lab in charge/ HOD forward application to Admin officer (Director), after verifying and identifying necessary action for repair or replacement, he gets task completed ? Lab equipments are being maintained with proper maintenance schedules, Breakdown, Routine and planned maintenance. Classroom Furniture ? As per need some classrooms are equipped with projector to facilitate use of modern teaching aids. ? For any additional requirement in furniture (benches, table, chair) HOD forward application to Director for approval. Buildings Roads ? Maintenance procedure: Periodically all the buildings are inspected and repairs are carried out as per the maintenance budget. ? All the buildings are painted once in two years with quality paint. ? Wall cracks and roof cracks are to be identified and filling will be done by using suitable materials. ? All the roads are maintained whenever needed. ? Greenery (Lawns, Plants Trees) Stretches are maintained inside the campus.

<https://sycet.org/naac/aqar/proc.pdf>

## 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	SCHOLARSHIP	105	307524
Financial Support from Other Sources			
a) National	Minority Scheme	1	108704
b) International	NIL	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Workshop of "Communication and Employability Skills"	08/08/2019	150	Rubicon Pune
Workshop of "Communication and	09/08/2019	150	Rubicon Pune

Employability Skills"			
Workshop of "Communication and Employability Skills"	10/08/2019	150	Rubicon Pune
Expert talk on GD and PI	02/08/2019	54	ICFAI Business School , Pune
Expert talk on "Entrepreneurship and startup	11/10/2019	33	Silhouettes Pvt.Ltd,Aurangabad
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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	NIL	Nil	Nil	Nil	Nil
No file uploaded.					

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	Nil

## 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
Dhoot Transmission, Centurion University of Technology and Management	56	31	1) BYJUS-Mobile App (2)M/S. R.B. Ghodke (3)M.S .R. Builders Developers (4) REDO Group (5)M/S. Shree Balaji Builders Developers (6)Anil Barsale Patil Civil Contractor (7) Santosh Markad (Patil) Wate	14	14

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ntractor(8)A  
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Pvt.Ltd(9)Pr  
ecicon Indus

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	Nil	NIL	NIL	NIL	NIL
No file uploaded.					

#### 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
Nil	Nil
No file uploaded.	

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

Activity	Level	Number of Participants
Fashion Show	college	30
Dancing	college	10
Singing	college	8
Flash Mob	college	28
Badminton	college	20
Football	college	50
Volleyball	college	40
Cricket	college	65
Long Jump	University -Inter Colligate	3
Triple Jump	University -Inter Colligate	3
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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
Nil	Nil	National	Nil	Nil	Nil	Nil
No file uploaded.						

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

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The institute has student council in each academic year. The eligible students are selected (the criteria been good academics) via interview for each post the council consists of 1) Principal 2) Principal nominated faculty that is student council faculty coordinator . 3) Three academic toppers 4) N.S.S program officer 5) Sports student coordinator 6) Culture student coordinator 7) Principal nominated two female representatives The funding is not provided except for N.S.S activities. All the expenses are beared by the institution The various administrative bodies are 1) Student council 2) Anitiragging committee 3) Women's grievances' committee 4) Hostel committee 5) Department student association of each department

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes the institute is having registered Alumni association and also an alumni link on college website portal. The following are the activities and major contributions of alumni 1) Invited as resource person on the area of their expertise 2) Placement activity through their credibility and recommendation 3) Conduct career guidance program 4) Work as examiners for practical examination and project evaluation 5) Participation in curriculum development 6) Render industrial visit and training in their respective companies 7) Contribute as a judge for institute competitions

5.4.2 – No. of enrolled Alumni:

369

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alimini Meet is conducted every year.The highlights of the meet are as follows.  
 1) Alumni share their Industrial Experiance and views 2) Alumni helps the college to bridge the gap between Industrial requirment and academics by Arranging industrial visits, Guest lectures and feild projects 3) Contributes as Judges for various competetions 4) Participation in curricullum development 5) Cultural activities 6) Respective dept. visit for sharing their experience with exsisting students 7) College campus visit details of every year alumni meet is available on college website

### 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)

1. Implementation and monitoring of academic and administrative system to cater to vision and mission of the institute by the Principal. 2. Academic development and monitoring progress of various teaching/learning processes. 3. All the departments present their Annual Action Plan at the beginning of every academic year with a clear cut roadmap to deliver the same. 4. The matters at the department level are discussed by the HOD with the faculty team in consultation with the Principal. This gives the faculty an enormous sense of belonging and pride in the institution and this brings out the best in them.

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
Teaching and Learning	Institute adopted following strategies for improving teaching learning • Implementation of outcome based teaching learning methodology • Recruitment of qualified staff as per staff requirement • Regular academic audit of teaching process • Continuous assessment of student performance through test • Promoting professional development of faculty by providing support for seminars, conferences, workshops • Review of result compare with previous result corrective actions for improvement • Conduct of remedial classes for failed students
Curriculum Development	Curriculum development carried out as per University Guidelines
Examination and Evaluation	Examination Evolution conducted as per university rules regulations
Research and Development	Following strategies were adopted for promoting research development • Innovation cell is established in institute. • Promoted faculty members for seminars, conferences, workshops etc. • Five faculty members completed Ph.D. 9 members have registered for Ph.D. • Subscription of E-Journals • Arrangement of industry institute interaction by expert talks
Library, ICT and Physical Infrastructure / Instrumentation	The strategies for Library services up gradation consists • Book bank scheme • Social welfare scheme for SC ST students • Digital library • Purchase of book, magazines, journals etc. • Online webinars • NPTEL views • Online journals - Springer
Human Resource Management	Institute adopted following strategies for Human resource management • Service rules are made transparent staffs get benefit such as Provident Fund (PF). • Faculties are entitled for Casual Leaves, Earn Leaves, Sick Leaves and Vacations. • Institute frequently arrange faculty training programs also depute the faculty to other organisation for attending such programs for acquiring skills.
Industry Interaction / Collaboration	The institute conducted following strategies • MOU's with industries • GIZ-MSME Projects • Industry

	<p>Collaborations • In plant training to students • Arrangement of guest lectures • Industrial visits</p>
Admission of Students	Entire admission process of students carried out as per DTE norms.

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

E-governance area	Details
Student Admission and Support	<p>The most important key factor of the college toward the students admission and support is that college has system which allows the student to take admission with minimum affordable fee at the initial stage of admission process of every academic year. This is the one of the important thing which supports some students those are facing financial issues. College has extended helping counter for the students which provides them several services as such Admission form Filling, Examination form filling as well as Scholarship Form filling at one place only. This service counter protects the students from outside service centre where they need pay fees for it. The Helping counter i.e. service centre provided at college is free of cost.</p>
Planning and Development	<p>Institute has the procedures and policies aligned with institutional Vision and Mission. All the planning and development of the entire operations are towards the Vision and Mission of the organization.</p>
Administration	<p>The Administration of the College is functions with E-governance system at Government, Society and College level. With the help of developed technological world college staff uses many tools for administration purpose. Such as use of Smartphone with inbuilt social app like Gmail and WhatsApp, Google classroom etc they share the notes to students. It helps to provide the brief notice of any event to be happened on college official WhatsApp Group for awareness and of smooth functioning of the same. The college have Biometric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV Cameras at very place of need.</p>
Finance and Accounts	<p>The college uses the Tally ERP software for E-governance for transparent functioning of Finance and Accounts department of the college.</p>

	<p>This helps to increase the efficiency of staff towards the accuracy in financial transactions. The college conducts regular audit of annual books of accounts. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the Books of Accounts properly which helps in auditing procedure.</p>
Examination	<p>The College has the separate Examination department with equipped ITC tools necessary for examination purpose. As per the requirement of Examination department all the necessary equipments are provided by the college such as Separate Desktops, printers, scanners and high speed Internet Facility for online procedure of Paper Downloading and further activities for exam purpose.</p>

### 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	Mr. Avinash U Karalkhele	TPO development programme and AGM	FDP	2500
2019	Mr. Avinash U Karalkhele	Global business foundation skill FDP	FDP	1500
2019	Mr. Avinash U Karalkhele	Product Design Engineering-Mechanical	FDP	2460

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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	IPR, Patents,	NIL	07/09/2019	07/09/2019	55	Nil

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP , Webinar , different awarness programme	50	01/03/2020	30/06/2020	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
65	65	28	28

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident Fund, paid Training, Leaves	Provident Fund , Uniforms	Scholarships as per Government Schemes and at college level.

## 6.4 – Financial Management and Resource Mobilization

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

Yes, institute conducts internal and external financial audits regularly.

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
GIZ	200000	Industries live Projects

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6.4.3 – Total corpus fund generated

191528786.99

## 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	TUV NORD Pune	Yes	Internal Monitoring committee



Administrative	Yes	TUV NORD Pune	Yes	Internal Monitoring committee
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6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1) Story telling 2) Poster presentation 3) Expert lectures 4) Encouraged to participate in different competition and projects.

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

1) Institute organizes faculty development programmes. 2) Staffs are encouraged to attend Faculty development programmes outside college. 3) Staffs are encouraged to publish research papers into their respective area.

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

1. Curricular Aspect. ... 2. Teaching Learning Evaluating. ... 3. Research, Consultancy and Extension. ... 4. Infrastructure and Resource Use. ...

6.5.5 – Internal Quality Assurance System Details

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

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	Project base learning and Monitoring FDP	09/12/2019	09/12/2019	09/12/2019	100
2020	Awareness Programme on Intellectual Property Rights	11/01/2020	11/01/2020	11/01/2020	119
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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
Workshop on communication and employability skills	08/08/2019	10/08/2019	50	61
Expert talk on Entrepreneur	01/10/2019	01/10/2019	23	27

ship skill				
Expert talk on Neuro Lingual Programme	19/10/2019	19/10/2019	27	40
Expert talk on Successfull entrepreneur and start up	11/10/2019	11/10/2019	17	25

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
<p>Rain water harvesting structures and utilization in the campus: The percolation tanks are set up around the campus facility. Percolation tanks are constructed</p> <p>a) Near the Engineering building premises b) Adjacent to the boys and girls hostel building c) Polytechnic ,D Pharmacy B Pharmacy building In the parking area open percolation tank is constructed for the rain water harvesting. Liquid waste management:- Water waste is set to the STP. The water is purified and then recycled to a pure state and then sent through pipelines and containers and then utilized for the green forestation of trees and plants around vicinity. We collect all liquid from college campus as well as Boy's and Girl's Hostel and recycle it by STP after we use if for tree. Due to this shortage of water problem of our Institute is solved. E-waste management: E-waste is not dumped in the Institute campus for example Old batteries of UPS are disposed by buyback while purchasing new batteries</p>

7.1.3 – Differently abled (Divyangjan) friendliness

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

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	305	102	07/09/2019	1	Blood Donation and Health	The Institute organizes the Blood	98

Check up Camp	Donation Camp for Welfare of the society and motiv ating the students to become a respons ible citizen and blood donor as well as spreading the message of peace and harmony through h umanitari an approa ches.
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[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)
Human values professional ethics Code of conduct ( Handbook ) for various stakeholders	01/06/2019	We have following code of conduct for the students 1. Every student must obtain on admission, the Identity Card which must have his/her photograph attested and wear the identity card on person whenever he/she is on the institute premises, and present it for inspection on demand 2. Ragging is banned on the institute campus. Anyone found guilty of ragging and /or abetting ragging is liable to be punished as per the directive of the UGC and Govt. Any incident of ragging will be dealt with seriously 3. The institute prohibits political activities on the campus and forbids students from conducting and attending political meetings within the

institute campus 4.

Students shall compulsorily wear the prescribed institute uniform on all working days except Thursdays. Uniform symbolizes unity and uniformity, not diversity. It also indicates equality and a sense of belonging to the institution. Uniform provides a special identity. Hence it is a source of pride and responsibility, not liability. Parents are to see that the uniform and hairstyle of their ward is in tune with modesty and dignity 5. Strict silence must be observed in a reading room and Library 6. Students are expected to spend their free time in the library. They should not loiter along the corridor or crowd along the passage 7. Plan to arrive to class on time and to stay for the entire class period (or until dismissed) because random arrivals and exits are disrespectful and distracting 8. Students must not wait on the Institute premises while the classes are going on 9. Food and beverages are not permitted in computer labs or classrooms. Those must be consumed in designated areas only 10. Smoking and consumption of alcohol on the Institute premises or entering the institute premises, after consuming alcoholic drinks is strictly prohibited 11. If the teacher is absent, the class leader should inform the Head of the Department alternative arrangements 12. Students are expected to take

proper care of institute property and help the institute authorities in keeping the premises clean. Damaging institute property e.g. disfiguring walls, doors, fittings or breaking furniture, misuse of fittings, or breaking furniture, misuse of A.C. etc., is breach of discipline, and the guilty will be duly punished 13. Students should not leave their books, valuables and other belongings in the classroom 14. The Institute is not responsible for lost property. However, student may make a claim for lost property at the office, if it is deposited in the Institute Office 15. Insubordination and unbecoming language or misconduct on the part of a student is sufficient reasons for his/her suspension or dismissal 16. All Institute activities are organized under the guidance and supervision of the Professor In-Charge and Principal 17. Every student has to participate in at least two of the co-curricular activities offered in the institute 18. It is the responsibility of the students to read the notice boards regularly for important announcements made by the Institute office from time to time. They will not be excused or given any concession on grounds of ignorance or not reading notices 19. Limited parking space is provided for students and staff and the same can be utilized on 'first come

first' basis. The Institute management is not responsible for the safety (including damage and/or theft /loss of vehicles) of vehicles in the premises Students and staff may utilize the limited parking space at their own risk. Students must ride/drive their into at the campus at a moderate speed only speeding will be looked upon as an act of indiscipline and can attract adverse consequences 20. Students will be allowed to bring their vehicles only up to the designated parking area. Entry beyond that point is strictly prohibited 21. Bike race / motor car race or similar activities shall not be permitted inside the campus 22. Students joining the Institute are bound by the rules and regulations of the Institute 23. The Principal is the ultimate disciplinary authority in the institute We have following code of conduct for Staff:-

1. Respect the organization goals and help to achieve them
2. Be on time for your lectures and practical.
- Be punctual
3. Staff members shall follow the directions and instructions properly given by Principal
4. Lunch break only 45 Minutes
5. Keep your cell phones in the silent mode to avoid disturbing others sitting around you
6. Learn to own your mistakes
7. Every teacher shall, at all times, maintain integrity, be devoted to duty and also be honest and impartial in his / her official

dealings. A teacher shall, at all times, be well-mannered in his / her dealings with the management, with other members of staff, students and with members of the public 8. Unless otherwise stated specifically in the terms of appointment, every teacher is a Full - time teacher of the Institute and may be called upon to perform such duties as may be assigned to him / her by the competent authority beyond the scheduled working hours and on holidays and Sundays 9. A teacher shall be required to maintain the scheduled hours of work during which he /she must be present at the place of his / her duty. No teacher shall be absent from duty without prior permission. Even during leave or vacation, with the prior permission of the competent authority, whenever leaving the station, an teacher should inform the Principal in writing, through the concerned Head of the Department, or the Principal directly, if the teacher happens to be Head of the Department, giving the contact details at which he / she will be available during the period of his / her absence from the station 10. No teacher shall take part in politics, or be associated with any political party or organization which takes part in political activity, nor shall subscribe, aid or assist in any manner any political movement or

activity 11. No teacher shall make any statement, publish or write through any media which has effect of an adverse criticism of any policy or action of the Institute 12. No teacher, except with the prior permission of the competent authority, engage, directly, or indirectly in any trade or business or any private tuition, or undertake any employment outside his official assignments forthwith report full facts thereof to the Institute 13. A teacher, against whom criminal proceedings are initiated in a court of law, shall immediately inform the competent authority of the Institute regarding the details thereof 14. No teacher shall, except with the prior sanction of the competent authority, have recourse to any court of law or to the press / media for / against any official act of the Institute 15. Every teacher shall be governed by these rules and shall be liable for consequences in the event of any breach of the rules by him / her 16. No teacher shall engage in strike or incitement thereto or in similar activities such as absence from work, or neglect of duties, or participate in hunger strike etc. Violation of this rule will amount to misconduct and will attract deterrent punishment 17. The institute gives utmost priority for discipline and every staff, is bound to follow the rules and



regulations of the institute and maintain strict discipline 18. The institute takes note of serious misbehaviour, insubordination, habitual tardiness, irregular work habits or obscenity which is punishable by fine, suspension or dismissal. The Institute is declared an alcohol-smoke-drug-free area and offenders face dismissal

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga	08/08/2019	17/08/2019	58
Tree Plantation	14/08/2019	14/08/2019	100
<a href="#">View File</a>			

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

1. Tree Plantation:- During Academic Year 19-20 there are 1800 trees of Vad,Pimple,Neem,Jamun,Peru,Flower plant,planted 2. Rain Water Harvesting: - The Institute is environmental conscious and works towards the sustainability of environmental resources. Aurangabad city and its surrounding regions come under medium rainfall zone. As there is an shortage of water in summer season it is important to utilize water in the most efficient way. Taking into consideration this problem of water shortage, Institute has designed a rain water harvesting system for one of the building. The rain water collected on the roof top from Boy's hostel, Girl's Hostel as well as institute building is carried through a down take pipe which is collected in the collection tank. In this tank 150 to 200 feet bored are taken hence from last 3 years water level of 5kg area is increased, like battery recharge in our institute water recharge is happen. This initiative not only helpful for institute if also helpful for surrounding area. Conserving rain water and utilizing it for basic purposes and fulfils a social responsibility. 3.Solid waste management:- There is solid and liquid waste management. For solid waste management there is a special place allocated near the girls hostel and main canteen. The pit has been dug up for depositing the solid waste. For liquid waste there is chemical chamber for the chemical disposal Bio degradable solid waste is collected from college canteen, we collect waste paper thrown by student, tree leaves on daily basis then dumped in .Composing machine. After 45 to 60 days good quality compost is obtained which is used as manure for the trees in the campus. Apart from this old newspaper, waste files and papers and cartons are sold to the local vendor 4. Liquid waste management:- Water waste is set to the STP. The water is purified and then recycled to a pure state and then sent through pipelines and containers and then utilised for the green forestation of trees and plants around vicinity. We collect all liquid from college campus as well as Boy's and Girl's Hostel and recycle it by STP after we use if for tree. Due to this shortage of water problem of our Institute is solved. 5.E-waste management: E-waste is not dumped in the Institute campus for example Old batteries of UPS are disposed by buyback while purchasing new batteries

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

7.2.1 Best Practices Best Practices 1: Industry live Projects in association GIZ, MSME MASSIA Objectives: "Program for modernization and innovation promotion in micro, small and medium enterprises (MSME-INNO)" is one of the projects being implemented by GIZ in partnership with Ministry of MSME, Government of India. The project aims to improve the local innovation ecosystem through fostering cooperation between different stakeholders and strengthening the innovation management capacity and sustainability of MSMEs in India. Accordingly project intends to facilitate cooperation between small and medium companies, research institutions, service providers and larger enterprises for introduction and dissemination of new technologies, products, processes and/or business models innovation. Project main focus is on 2 states mainly Maharashtra and Punjab in India. Projects have been able to develop various interventions and tools to improve the innovation capacity of small and medium enterprises through collaboration and cooperation of innovation eco system players. The Context: Aurangabad is one of the locations in Maharashtra state, where MSME INNO has been working to achieve the objectives of the project. MSME INNO has collaborated with Industries associations, Academic amp Research institutions and other government agencies in the region to Foster cooperation between industry, academia and government, thereby strengthen the innovation capacity and sustainability of MSMEs. As a project mandate to enhance the industry-Academic Collaboration to address the MSMEs issues/Challenges, Academia project on MSMEs live problems has been tried and tested in last 2 years and Considered as one of best tool to address the MSMEs issues. This Industry Academia Collaborative model intends to facilitate interaction and cooperation between MSMEs and academia on real life cases, live short term project ideas that aim to further define/develop/solve any specific problem of an Industry/group of industries. Such project can be undertaken by a group of students under the guidance of the faculty. These projects help students apply their knowledge and gain practical industry experience and at the same. The Practices:Project team in close association with respective MSME to develop some innovative as well as low cost solution to address the problems. Each solution has implemented with close collaboration of respective MSME. Project Progress has monitored by Consultant appointed by GIZ and respective MSMEs by having bimonthly meeting with project teams. Project implementation cost is borne by respective MSMEs, after the solution developed by Project team is agreed upon between college and MSME Evidence of Success: After successfully completion of the projects, the participating students and faculty mentors is given the e-certificate as a token of appreciation. Problem encountered and Resources required: Dedicated coordinators were appointed by the institute and college to keep the deep observation on the project scheme. Also, timely meetings and review conducted to check the progress of the each projects, this process helped the institutes or coordinators for smooth running the project scheme and there were no any problem faced by the institute. Financial support was given by the GIZ for purchasing materials, any required physical tools to make the prototype of the project or materials to make the project complete.

Best Practices 2: Research projects under inplant training. Objective of the practice: To get acquainted with the components and equipments. To apply theoretical knowledge into practical applications. To develop interest in their respective branch and to know the avenues for their branch. To provide platform for technical presentation. The context Good personality is one of the key aspects of engineering students. We have designed our own curriculum for soft skills training right from first year to final year students. Final year students are also given Employability skills training by HR Experts and Aptitude Trainers to enhance their communication, quantitative aptitude, and boost the leadership qualities to equip them to face the job recruitment processes. Mock interviews and written test are conducted and feedback is provided to students The Practice The Department encourages the faculty members students to visit the industry/ academia during vacation to learn the latest

technology available which can be used to improve the research skill and enhance the potential of faculty members students. The Department also encourages the faculty members to publish the research papers, attending national/ International conferences and to carry out consultancy work. MOUs have been signed between the College and various industries/academia to carry out the research and consultancy activities. Evidence of Success As a result many of the Industries approach for the projects as well as the industry persons come for the discussion with the students by this activity. - Students take the benefits of the same for their futuristic development and project selection Many industries are helping towards the project selection as given below. 1. ZEN EVENTS PROMOTIONS 2. METRO FIRE SOLUTIONS 3. CAD/ CAM Tool Room, Plastic Processing Testing, Aurangabad 4. UDEMY ACADEMY 5. INTERNSHALA TRAININGS 6. NPTEL Course Problems Encountered and Resources Required The faculty members are finding it difficult to find the time to carry out independent research due to their academic commitment. Financial support from external funding agency is required.

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

[https://sycet.org/naac/agar/Best\\_Practices.pdf](https://sycet.org/naac/agar/Best_Practices.pdf)

### 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

7. 3 Institutional Distinctiveness Many faculty members have attended seminars, workshops, FDPs trainings etc. In our college all departments of engineering aims in equipping faculty members with required skills and industry exposure to make the industry ready graduates. The aim of Faculty Development Program (FDP) is attaining sustainable development and achieving higher growth rates which can be enabled through creation, transmission and dissemination of knowledge. Our department faculty members are actively participating in FDPs, Seminars workshops / Short term courses etc. with high interest. Faculty members prefer to attend FDP, Seminar, and Workshop etc. at reputed institutes such as Aurangabad, Pune and Mumbai etc. Marathwada Job Fair In our institute, we organize "Marathwada Job Fair", in association with MSSIA and CMIA. Job fair provides common platform for job opportunities to students for every class of society. Industries from different fields for the better placement of students. In the present era, campus placement holds a great importance for students and educational institutes. While, it helps a student in building a strong foundation for the professional career ahead without facing the real-world job struggle, peer-competition or family pressure, a good placement record gives a competitive edge to an institute/ university in the education market. Campus placements provide the students with a foot-in- the-door opportunity, enabling them to start off their career right after they have completed their course curriculum. Furthermore, they get to interact and engage with the industry professionals during the placement drives, which further help lay a foundation for their prospective career in the future as they familiarize with potential contacts from their chosen career field. Placements have gradually become an integral part of an institute's offerings, which was not the scenario earlier. Nowadays, students pay special attention to placement records while selecting a college or university for the admission. It is rightly so, if a student is paying huge amount of parents' hard-earned money as fees to the institutes/universities, he/she has the right to calculate the rOI (return on investment), which in this case is a lucrative job. Our institute has focus on bridging the gap between the right candidate and the right job. We focus on placing the candidates who are ready and eligible for the role. College teams were donating the foods packages to those who needed in Covid period under

public and social relation department. We Conduct National Anthem Regularly.

There are responsibilities towards every member of institute for making a transparent academic environment conducive to the application of the high professional and ethical criteria of good practice for academic research.

Following are duties specified for each member of institute. 1) There is "Teacher Gaurdian Scheme" which is very beneficial to students in which one faculty allotted 15 student to take care of any problem/difficulty of the student (which include students' Home Visit weekly Phone Calling to the parents etc) 2) Weekly Academic monitoring. 3) Motivating and providing the financial help to participate in State level competition.

Provide the weblink of the institution

<https://sycet.org/naac/agar/Institutional.pdf>

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

1] Apply for Cycle 2 of NAAC 2] Develop Research Centre at SYCET 3] Guidance and Support for European Studies [Centre for European Studies in Collaboration with EduKerron International and SYCET Aurangabad] 4] Training and Placement Cell Improvement 5] To Provide ICT facilities like NPTL online courses and e - learning material 6] Industrial live Projects for the Students in collaboration with MASSIA 7] Tata Ready Engineer Programme for the students in collaboration with Tata Technologies Pune 8] Faculties should attain the one week / two week workshop