

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S**

**COLLEGE OF ENGINEERING & TECHNOLOGY, AKOLA**

**Annual Quality Assurance Report  
(1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020)**

**Academic Year 2019-20**



**Submitted to**

**NATIONAL ASSESSMENT & ACCREDITATION COUNCIL**

**(NAAC)**

**Bangalore**

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## Part – A

### Data of the Institution

*(data may be captured from IQA)*

1. Name of the Institution - **College of Engineering and Technology, Akola**

- Name of the Head of the institution : **Dr. S. K. Deshmukh**
- Designation: **Professor & Principal**
- Does the institution function from own campus: **Yes**
- Phone no./Alternate phone no.: **07242259024**
- Mobile no.: **7387523332**
- Registered e-mail: **principalcoeta@gmail.com**
- Alternate e-mail : **principalcoeta.info@gmail.com**
- Address : **At Post Babhulgaon (Jh), NH 6**
- City/Town : **Akola**
- State/UT : **Maharashtra**
- Pin Code : **444104**

2. Institutional status:

- Affiliated / Constituent: **Affiliated**
- Type of Institution: Co-education/Men/Women **Co-education**
- Location : Rural/Semi-urban/Urban: **Rural**
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing  
(please specify) **Self financing {UGC 2f and 12 (B)}**
- Name of the Affiliating University: **Sant Gadge Baba Amravati University, Amravati**
- Name of the IQAC Co-ordinator : **Dr. S. K. Patil**
- Phone no. : **9822641908**  
Alternate phone no. **8805595228**

- Mobile: **9822641908**
- IQAC e-mail address: **profskpatil@gmail.com**
- Alternate Email address:

3. Website address: [www.coeta.ac.in](http://www.coeta.ac.in)

Web-link of the AQAR: (Previous Academic Year):

<https://www.coeta.ac.in/LinkFiles/COETA%20AQAR%202018-19%20Final.pdf>

4. Whether Academic Calendar prepared during the year? **Yes**

Yes/No....., if yes, whether it is uploaded in the Institutional website: **Yes**

Weblink: <http://coeta.ac.in/LinkFiles/Academic%20Calendar%202019-20.pdf>

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>st</sup>	A	3.27	2017	from: 27 Nov 2017 to: 26 Nov 2022
2 <sup>nd</sup>				from: to:
3 <sup>rd</sup>				from: to:
4 <sup>th</sup>				from: to:
5 <sup>th</sup>				from: to:

6. Date of Establishment of IQAC:DD/MM/YYYY: **02/12/2016**

7. Internal Quality Assurance System-

7.1 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
IQAC meeting for finalization of Action Plan of IQAC for overall improvement in academic and administrative performance of institute for 19-20 finalized.	02/07/19	11
Approval of AQAR for 18-19 in IQAC meeting.	18-01-2020	14

Approval of AQAR for 19-20in IQAC meeting.	17-07-2021	15
Incubation Centre	COET, Akola Innovation Foundation Varhad Capital Pune	Three start up companies 1.Wadgaon Oil Seeds Processing Cluster 2.Chakan Leather Products Cluster, Dehugaon,Pune 3.Osmanabad Leather Products Cluster, Bhoom,Osmanabad
Improvement plan for departments and overall college	Regular visit to departments to see the progress	
Visit to all departments to see progress	9/1/20 to 13/01/20	5 deparments
Student Induction Programme as per AICTE & UGC guidelines under motivation & counselling of students.	01/08/2019 To 21/08/2019	150 Students First year
Personality development program	6th Aug 19	150
Interview of Mr.Anand Kumar on OHP(Real Hero of super 30) ) under Universal Human Values.	6th August, 2019	150 Students First year
“Human Values and Goal Setting” under Universal Human Values.	7th August, 2019	150 Students First year.
Secret of life -a movie of positivity (A law of attraction)	7th August, 2019	150 Students First year
Interview of Dr. Ravindra Kolhe on OHP(A doctor devotes himself for welfare of tribal of Melghat) under Universal Human Values.	8th August, 2019	150 Students First year
Personality development	8th Aug. 2019	150 Students First year
Workshop on disaster management	9th Aug. 2019	130
Clip of PAANI Foundation” under Universal Human Values.	13th August, 2019	150 Students First year
Swachchha Bharat Abhiyan & Mass Tree Plantation under Universal Human Value	15th August, 2019	150 students of the Institute.

Soft Skill and personality Development	27/08/2019	Third Year students
Aptitude training program	04/09/ 2019 to 27/10/2019	130 students of Third and Final Year
Amcat Examination on aptitude, soft skill and Technical Knowledge.	01/08/ 2019 to 21/08/2019	Students of Third and Final Year
One Day Workshop on Basic English	26th Aug. 2019	150 Students First year
Visit to construction site of MHADA at Shivni	25/07/2019	Second Year Students
Visit to construction site of STP @ GMC Akola	24/01/2020	Final year students
Visit to Shivni Airport	11/03/2020	Third Year students
Skill Development workshop	03/01/2020	150 students
Workshop on advance construction materials	20/01/2020	150 students
Workshop for Handling of total station	25/01/2020	Third years & final year students
Awareness campaign to save water & competition held in various schools in Akola	01/03/2020 to 10/03/2020	2400
1. Online quiz for students	03/05/200	All students of civil Engineering
A B C of Building Information Modelling (BIM)	April 30th 2020 10:30 AM	All students of Architecture
Integration of Conservation In Modern Architectural Practices	May 18th 2020 11:00 AM	All students of Architecture
Urban Transformation	May 23rd 2010:30 AM	All students of Architecture
Virtual Interactive Session On Interior Architecture	June 27th 2020 10:30 AM	All students of Architecture
G.I.S. Application in Architecture 3D Modelling	May 16th 2020 at 1.00 p.m.	All students of Architecture
Architectural Thesis- Process Problems, Paradoxes	June 17th 2020 at 11.00 a.m.	
Expert talk on software's	July 2019	180

Mentoring the Project presented in AVISHKAR 2019-20	July 2019 to Sep 2020	30
SWAYAM and NPTEL	July 19 to Feb 20	200
Induction Program for second year students and Annual parents meet	24th Aug 2019	85
Campus Recruitment Training Program	26/08/2019	All Final year students
Guest lecture on aptitude, soft skill and Technical Knowledge.	3 Sep 2019	175
International Technical working model competition	11th Oct 2019	12
GATE Coaching	01 Jan 20 to 10Jan 2020	25
CSE wall magazine	20th Jan 2020	08
Parikhsha Pe Charcha 2020	20th Jan 2020.	85
TechnoBlitz-2k20 A National level Event with 13 parallel Events	7th March 2020	1200
Remedial Coaching online during the lockdown period	18th March 2020 to May 2020	180
Language Practical's online	18th March 2020 to May 2020	180
Online Quiz on Basics of Digital Electronics	15th May 2020	700
Online Quiz on Basics of Data Structures	18th May 2020	600
Online Quiz on Basics of OOP	17th May 2020	700
Webinar on Telecom Evolution and Market trends Feedback	30th May 2020	400
Online Two weeks Training program on Aptitude and Personality Development by department of CSE	11June to 20th June 2020	300
National Service Scheme of the Institute organised special camp at Village: Ugwa District: Akola to provide Social Services & activities such as Importance of Tree plant, Swachbharat Abhiyan, Free medical Health check up camp, Andhashraddha Nirmulan, Yoga,	31-12-2019 To 07-01-2020	200

Women Empowerment, Cultural programme, agricultural crop patterns, Personality development to school children's, Drawing & Rangoli Competition, Preserve & Save Water programme, Importance of voting,etc;.		
International Yoga Day.	21-06-2019	140
Tree plantation Programme in the Institute.	01-07-2019	40
Tree plantation Programme at the Zilla Parishad School premise, Ranpisenagar, Akola.	27-07-2019	42
Tree plantation Programme in college campus and back side.	05-08-2019	48
Tree plantation Programme on the occasion of Independence Day Celebration	15 -08- 2019	36
Swachbharat Abhiyan at College Campus; New Bus stand; Old Bus stand; Railway Station premises. And gram Kanheri (sarap)	17 – 09 – 2019 To 24-09- 2019	48
N S S day programme in the Institution.	24-09-2019	45
Blood Donation Camp organised in Institute.	28 -09 - 2019	35
Uva –Mahiti Doot Programme in college , 'One Day Workshop"	24 August 2019	36
Vyasanmuktti Diwas was organise dated 11july 2019 and students were advised.	11 July 2019	120
Election Awareness programme Matadan Kara- Desh Wachawa in Dattak gram Kanheri (Sarap).	05 -10 -2019	115
Blood Donation Camp-02organised in college campus "Swecha Raktadan	11-02-2020	40



Shibir”		
Plastic Nirmulan Abhiyan Rally in kanheri(sarap)	13-01-2020	49
Rastriya Yuva Saptah “Jijau-Sawitri – Janmostova in thecollege and Kanheri(sarap)	03 -01- 2020 To 12-01 -2020	43
Blinds School programme organised to provide services to blind students.	06-03-2019	40
Teacher Guardian Mentoring scheme	Throughout the year	All students
Blood Donation Camp-02organised in college campus “Swecha Raktadan Shibir”	11-02-2020	40
Plastic Nirmulan Abhiyan Rally in kanheri(sarap)	13-01-2020	49
Rastriya Yuva Saptah “Jijau-Sawitri – Janmostova in thecollege and village Kanheri(sarap)	03 -01- 2020 To 12-01 -2020	43

***Note: Some Quality Assurance initiatives of the institution are:***

***(Indicative list)***

- *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- *Academic Administrative Audit (AAA) conducted and its follow up action.*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*

**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
1. COET Akola	SPDP for	AICTE	2018-19	14,91,000/-

	SC/ST Students		For duration Duration 2019 to 2022.	
2. Maharashtra Pollution Control Board	Since 2009 Extended every Year	Maharashtra Pollution Control Board	18,75,000/- at Time of Sanction	6,00,000=00
<b>Any other(Specify) Conference Grants</b>	01year	AICTE	1,67,000/-	1,67,000/-
Unnat Bharat Abhiyan		IIT Delhi	1,75,000/-	1,75,000/-
Total			37,08,000=00	16,87,000=00

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

<https://www.coeta.ac.in/LinkFiles/COETA%20IQAC%20Formation%202018-19.pdf>

10. No. of IQAC meetings held during the year:2

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.....

Yes/No –Yes

(Uploaded on NAAC portal)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? No

If yes, mention the amount: Year:

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

- \* Encouraged faculty for higher studies so as to initiate for Research activities.
- \* Targeted Placement hence improving interaction with industry and institute.
- \* Reward to performing students for motivation.
- \* Implementation of action plan through IQAC Task force
- \* Encouraging innovative practices in teaching.

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

Plan of Action	Achievements/Outcomes
1- Encourage faculty to complete Ph.D. or register for Ph.D.	1- Seven Teachers received PH.D. Degree this year. <b>2-Ph.D. Pursing Students for Doctoral Program</b> at our Research Center-  Jan 2019- 11 Jan-2020- 18
2.Encourage Ph.D. faculties to register as Ph.D. supervisors inUniversity.	2- This year faculty registered as Ph.D. supervisor are- 06  Total no. of Ph.D. supervisor from college are- 8.
3-Promoting staff to fill the form for nomination of various awards.	Total 19 awards received by students and  6 Awards received by teachers.  6 awards in games by students.  1.Startup Business Plan Competition 2019 2.IoT based ICU on wheels Avishkar 2019 3.Avishkar 2019-first prize 4.Avishkar 2019 5.IoT based ICU on wheels 6.IoT based ICU on wheels
4-No. of Incubation centre created, start-ups incubated on campus during the year	
Incubation Centre	Name
COET Akola	COET,Akola Innovation Foundation
Name of the Start-up	Nature of Start-up
1.Wadgaon Oil Seeds Processing Cluster	Oil Seed Processing
2.Chakan Leather Products Cluster, Dehugaon,Pune	Leather Products
3.Osmanabad Leather Products Cluster, Bhoom,Osmanabad	Leather Products

<p>5- Staff should be motivated to attend QIP/ FDP. At least 2 faculties should be sent to institutes to attend such program.</p>	<p>58 staff attended Workshops and 46 staff attended STTP.</p>
<p>7- Proposals other than major / minor projects for research funds should be submitted to appropriate funding agencies.</p>	<p>Following proposals are sent this year, Six proposals to UGC, Six proposal to AICTE.</p> <p>- Three proposals to ICSSR</p> <p>Amount received from AICTE for SPDP for SC/ST student 2019 Rs.1491000/-.</p> <p>1. Amount received this session by Maharashtra Pollution Control Board- Rs. 600000/-</p> <p>Conference grant received by AICTE for one year Rs.167000/-</p> <p>Grant by IIT Delhi for Unnat Bharat Abhiyan Rs.175000/-</p>
<p>8- Minimum 10 papers from every department should be published in journals or conferences every year.</p>	<p>29 papers published in Journals.</p>
<p>10- Efforts should be taken to improve the consultancy by all the departments.</p>	<p>Chemical and civil engineering department are continuing their consultancy.</p>
<p>12-Definite budget allocation for research projects (U.G &amp; P.G).</p>	<p>12-As per R &amp;D policy provision of Rs.5000/- per project batch of UG and for PG Rs.10000/- for project per student. Waving off research laboratory fees of Rs.50000/- for Ph.D. to college faculties.</p>
<p>13- Industrial training for U.G. students should be mandatory for students of all departments.</p>	<p>13- This year all the departments have sent their students to industries and institutes for training.</p>

15- Digital library- Complete automation is required as per NAAC committee suggestions.	15- In our digital library there are 10 terminals with independent server as per the requirement of AICTE.
16- E-library for library consortia for U.G. and P.G. It should come into force as early as possible by completing required formalities.	16-E-books and E- journals can be searched and downloaded. Ebsco host e-books engineering core collection package of 6039 number of books is subscribed.DELNET Annual membership has taken. It includes full text e-journals and interlibrary loan facility.
17- Innovation club should be set up in every department and college level.	17- Chemical started club under Cescaa. FYMC started Technical club.
18- Target should be set for campus recruitment and accordingly the action plan for every year is to be formulated by Training and placement.	This year in 19-20 Projected was 60% and achieved 40%(Because of covid-19 lockdown the placement drive was badly hampered)
20- Continuous efforts for improvement of students results – Notes by teacher for their subject be prepared up to the mark, Subject seminar by the be promoted and made compulsory, attendance monitoring.	Already in process. Some subject teachers prepared notes.  First Year- Every month, weak student and poor attendance was reported and communicated to even parents through college portal.  <ul style="list-style-type: none"> <li>• Providing difficult solutions through tutorials</li> <li>• Regular tests for assessment.</li> <li>• One to one coaching for weak students</li> <li>• Remedial classes.</li> <li>• University paper solutions through assignments.</li> <li>• NPTEL online lectures</li> </ul> Extra coaching for DC/ ATKT students.  Class Teacher Scheme + Teacher Guardian Scheme Implemented. Attendance + Results Communicated To Parents Via SMS  Seminars are regularly conducted.

21-The topper of every class and University colour holders should be rewarded in the form of cash prize to promote fair competition in the students and will create studious environment in the college.	<ul style="list-style-type: none"> <li>• Three awards instituted by the faculty members.</li> <li>• Six Awards sponsored by Alumni for toppers of various departments.</li> <li>• Regular practice to honour performing students in parents meets.</li> <li>• In social &amp; Cultural Gathering students rewarded with cash prize, certificate &amp; Memento.</li> </ul>
22- Organization of awareness camps and workshops for students every year.	programs are conducted by T & P this year.
23- Social awareness camps and activities to be organized for students.	Nearly 50 such programs are organised by students this year
24-Every department should suggest and implement at least two innovative practices every year.	24- Chemical- i- Plastic recycling ii- Waste management.ii-A technical quiz was organized by “Toastmaster club” in association with CSE. iii- Remedial classes for slow learners.
25) Departments having only UG should try to get P.G. Course.	25) Departments are working on fulfilling the prerequisite required for taking P.G. courses.

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

Name of the statutory body: Management and IQAC Date of meeting(s):17/07/2021

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

NAAC has interacted with us for recognising our institute as mentor institute.

**Yes/No:** Yes

Date: 07/09/18

**16. Whether institutional data submitted to AISHE: Yes/No: Yes**

Year: 2019-20

Date of Submission: 15/01/2020

**17. Does the Institution have Management Information System?**

**Yes**

If yes, give a brief description and a list of modules currently operational.

(Maximum 500 words)

Currently operational modules are as under:

Academic- In the academic module the record of all the students is maintained right from their enrolment in the institute till they finally leave the institute. Submission of exam forms to the university, compilation of results of the students etc is done in this module.

Finance & Accounts-In the finance and Accounts module the details of inflow and outflow of funds from various sources are maintained. This includes collection of fees and dues from students, receipt of scholarships and freeships for the students from Social Welfare Department, payment of salaries and other dues to staff, payments to the vendors and other creditors of the institute.

Library-Checking the availability of books by the students & staff and issue of books to the students & staff is done through the Library module.

**Part-B**

<b>CRITERION I – CURRICULAR ASPECTS</b>						
<b>1.1 Curriculum Planning and Implementation</b>						
1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words						
<b>1.1.1 Institution has mechanism for well planned curriculum delivery and documentation.</b>						
<ul style="list-style-type: none"> <li>➤ At the beginning of each session, The Principal calls meeting with Heads of the Department (HOD) and faculty members to plan academic calendar. This is followed by all Departments.</li> <li>➤ At each department, a meeting is held with faculties. Teaching load and portfolios are distributed among faculties. Subject allocation to the faculty is done as per area of specialization and their interest by HOD. Subject distribution is planned well in advance for proper academic implementation. Departmental portfolios (such as class teacher, test in-charge, project and seminar in-charge, academic in-charge etc.) are reassigned from one to other faculty on yearly or three yearly-bases for effective implementation.</li> <li>➤ Lab manual, course files, practical and teaching plans are prepared by faculty for the respective subject.</li> </ul>						
1.1.2 Certificate/ Diploma Courses introduced during the Academic year						
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development		
Nil	Nil	Nil	Nil	Nil		
<b>1.2 Academic Flexibility</b>						
1.2.1 New programmes/courses introduced during the Academic year						
<b>Programme with Code</b>	<b>Date of Introduction</b>		<b>Course with Code</b>	<b>Date of Introduction</b>		
None	None		None	None		
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	<b>UG</b>	<b>PG</b>	Date of implementation of CBCS / Elective Course System	<b>UG</b>	<b>PG</b>	
B.Arch	<b>Yes</b>	<b>NA</b>		<b>Yes</b>	<b>NA</b>	
B.E Civil Engineering	<b>Yes</b>	<b>Yes</b>		<b>Yes</b>	<b>Yes</b>	
B.E Chemical Engineering	<b>Yes</b>	<b>Yes</b>		<b>Yes</b>	<b>Yes</b>	
B.E Computer Science Engineering	<b>Yes</b>	<b>NA</b>		<b>Yes</b>	<b>NA</b>	
Already adopted (mention the year) 2010						
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year						
	Certificate		Diploma Courses			
No of Students	NA		NA			
<b>1.3 Curriculum Enrichment</b>						
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		



Lecture and Interaction by entrepreneur alumni with students - Mr. Sunil Nand	10 Aug. 2019	140
Workshop on disaster management	9 <sup>th</sup> Aug. 2019	130
Personality development by Dr. S. K. Agrawal	8 <sup>th</sup> Aug. 2019	125
One day Workshop on Stress Mitigation	23 Feb 2019	90
One day Workshop on E- tendering & contractor class registration	5 March 2019	50
PHP-training course	July 2018	16
In Quest by Ar. Manish Bankar & Ar. Shalesh Untawale, TAO Architects, Pune.	11 <sup>th</sup> & 12 <sup>th</sup> Jan 2019	110
Be Inspired Be Ahead by Mr. Amit Rathi, Nashik	6 <sup>th</sup> Oct. 2018	84
Opening Minds to Universal Design Thinking by Ar. Kavita Murugkar, BNCA, Pune.	29 <sup>th</sup> Sept. 2018	105
Hands-on Training on Total Station	25 <sup>th</sup> January 2020	120
How to start site execution + Role of Junior Engineer	13 <sup>th</sup> April 2020	120
Skill Training	7 <sup>th</sup> April 2020	90

What are the skills required to start a career as Civil Engineer	8 <sup>th</sup> April 2020	90
Soft Skills Required for Civil Engineers	10 <sup>th</sup> April 2020	90
Concrete Technology	28 <sup>th</sup> April 2020	90
Campus Recruitment Training Program		31
Industrial Safety Workshop	13/09/19	144
Guest Lecture-By shri Prashant Patel from Qatar Gas	30/07/19	117
Guest Lecture by shri Nitin Raut from Sohar University	16/08/19	117
IPR Workshop	23/01/2020	117
Gate Introduction	16/09/19	70
RCF Modular Training	December 19	20
Aptitude and Personality development program online	1 June 2020 2-week	Aptitude and Personality development
1.3.2 Field Projects / Internships under taken during the year-		
Project/Programme Title	No. of students enrolled for Field Projects / Internships	
Design of Canal section in COET, Babhulgaon campus	70	

In Nine semester 6 Months Internship training Program is implemented as per SGBAU course curriculum.	30
Competition of Field Projects: Every year students are participated in field projects under the academic exercise of National Association of Students of Architecture (NASA) at National level which is named ANDC (Annual Nasa Design tion) <ul style="list-style-type: none"> <li>▪ Village</li> <li>▪ Muramba visit and Cost effective House Design Solution under UBA.</li> </ul> Every semester the field projects related to the Architectural Design subject as analysis of case study .	25 15 110
Water Testing at Babhulgaon (Jh) Village And Equipment Guidance	70
Industrial safety Workshop	160
Unnat Bharat Abhiyan (All departments)	55

#### 1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes all departments	Yes/all departments	Yes all departments	Yes all departments	Yes all departments

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

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

**STUDENTS:**The students can submit the feedback online and offline. The offline feedback is collected at the end of every semester. A feedback format is provided to the students and the students have to fill this format. The format contains feedback about all the subjects taught during the semester. The students have to rate the teacher on different counts without writing their names on the feedback. These feedback are collected and handed over to HOD. The HOD forms a committee of three staff members including himself . the committee goes through the feedback. The committee conveys the negative feedback to teachers and asks them to work on the weaker areas. The teachers improve in their weaker areas. Complete record of feedback communication and feedback is maintained by the HOD so that change takes place for the betterment of department.

**TEACHERS** Similar feedback is obtained from employers on mails by the HOD.

EMPLOYERS: Employers often send their feedback on mail/telephonic conversation or during actual visit to the institution.

THE ALUMNI also give their feedback about the changes taking place in the field. They help in updating the information about recent trends in industry. They also visit the campus and give feedback during such visits.

PARENTS are important stakeholders and their feedback is most important. The parents must be satisfied with overall development of their child in the institute. The progress of their child should make them proud.

## CRITERION II -TEACHING-LEARNING AND EVALUATION

### 2.1 Student Enrolment and Profile

#### 2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled In first year
B.Tech.(Chemical)	60	NA( Admission process is centralized at state level)	34
B.E.(Civil)	60	-,-,-	29
B.E. (CSE)	120	-,-,-	68
B.E.(Mechanical)	60	-,-,-	26
Architecture	40	-,-,-	17
M.Tech.(Chemical)	18	-,-,-	04
M.E.(Structural)	18	-,-,-	09

### 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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	I year = 174	I year = 13	79	06	06
	II year = 236				
	III year = 221				
	IV year = 263	II year = 10			
	V year = 32				
	Total U.G.= 926	Total P.G.= 23			
	Total students in institute = 949		79	06	06

### 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 ( <i>LMS, e-Resources</i> )	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
79	79	Laptop, Google classroom, Zoom, Webex etc	14	00	NPTEL lectures, IIT virtual lab

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

Students mentoring system is implemented in the institute wherein a selected number of students are assigned to a faculty member who acts as their mentor. Mentors regularly interact with the students and monitor their academic performance and attendance. The attendance monitoring was done using Google forms. Mentors counsel the students regarding their performance and schedule additional lectures/practicals. Student's academic and personal issues of concern are well looked after by the mentors and critical cases are handled carefully using online tools. The students are given guidance for career, personal, besides academic issues. The students who have less attendance and who have missed their internal tests are paid special attention from mentor's side. Even the students with many issues are asked to call parents for online parents-mentor meetings. The mentor keeps track on their improvements and counsels them accordingly. The role of the mentor is to nurture the students and guide them for any issues they are coming across.

Due to sudden outbreak of COVID-19 pandemic, the students were confused in this academic session. The role of student mentoring was crucial and important during this session. The institute adopted various measures for student-mentoring like

- Daily contact with students through whatsapp group
- Allowing contact via phone calls / video calls
- Meeting of selected students through online meeting tools like Zoom, Webex etc.
- Software provided by Governing Society (SSES, Amravati) was used for continuous conduction of academic activities.

The main objectives of mentoring i.e. student-teacher interaction, solving problems faced by slow and advanced learners are effectively handled through online means.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
949	79	1:12

### 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
B.Tech.(Chemical) 12	12	Nil	04	10
B.E.(Civil) 12	12	Nil	05	04
B.E. (CSE) 18	18	Nil	12	04
B.E.(Mechanical) 12	12	Nil	07	01
Architecture	15	Nil	07	--

**2.4.2 Honours and recognitions received by teachers**

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

<i>Year of award</i>	<i>Name of full time teachers receiving awards from state level, national level, international level</i>	<i>Designation</i>	<i>Name of the award, fellowship, received from Government or recognized bodies</i>
2019-20	Dr.S.K.Deshmukh Dr.A.R.Gupta	Principal Asst. Prof.	Chairman, Civil BOS Member , Civil BOS
2019-20	Dr.S.K.Deshmukh Dr.A.R.Gupta	Principal Asst. Prof.	Vice-chairman ,IWWA Akola centre Treasurer, IWWA Akola centre
2019-20	Dr.P.V.Thorat Dr.S.N.Nemade	Prof. Asso. Prof.	Chairman, Chemical BOS Member , Chemical BOS
2019-20	Dr.P.V.Thorat Dr. S.V.Khedkar	Prof. Asst. Prof.	Members of BOSGovt. Poly Amravati
2019-20	Dr G S Zamre	Asst. Prof.	Curriculum restructuring in KBC NMU Jalgaon
2019-20	DR.S.L.Satarkar Dr.S.S.Agrawal	Asso. Prof. Asst. Prof.	Computer Science BOS members S.G.B.A.U., Amravati
2019-20	Dr..S.K.Patil	Asso. Prof.	Member , Production BOS
2019-20	Prof. D.L.Jade  Prof. R.M.Shambharkar  Prof A.A.Pande	HOD  Asso. Prof.  Asst. Prof.	Chairman, Architecture BOS Member , Architecture BOS Member , Architecture BOS
2019-20	Prof. S.V.Dhomne	Asso. Prof.	BOS member at Dr. Babasaheb Ambedkar Marathwada  University ,Aurangabad ,M.S

2019-20	Dr.P.V.Thorat	Prof.	Member, Governing council IPI, Mumbai
2019-20	Dr.S.L.Satarkar Dr.S.S.Agrawal P.V.Joshi	Asso. Prof. Asst. Prof. Asst. Prof.	Received 5 <sup>th</sup> prize at “Amravati Startup Business Plan Competition - 2019”, organized by Government of Maharashtra State Innovation Council in association with Unnat Bharat Abhiyan, SGB Amravati University Development of Innovation, Incubation and Entrepreneurship Center and Director of Technical Education, Maharashtra State, Mumbai. 4-5 Sep 2019
2019-20	Dr. S.S.Agrawal	Asst. Prof.	Won Outstanding Engineer(Gent)Award-2019 by IETE Amravati Centre, Amravati on 6 <sup>th</sup> Oct 2019 Amravati
2019-20	Dr.S.L.Satarkar Dr.S.S.Agrawal P.V.Joshi	Asso. Prof. Asst. Prof. Asst. Prof.	Won <b>3<sup>rd</sup> prize</b> in category D at International Technical model making competition 11 Oct 2019 COET,

			Akola
2019-20	Dr. S.L.Satarkar P.V.Joshi	Asso. Prof. Asst. Prof.	Won 1 <sup>st</sup> prize in category CML(TH level) at Avishkar-2019 University Color Code Holder14 and 15 Jan 2020 SGBAU, Amravati
2019-20	Dr. S.L.Satarkar Dr.S.S.Agrawal	Asso. Prof. Asst. Prof.	Won 2 <sup>nd</sup> prize in category CML(TH level) at Avishkar-2019 University Color Code Holder14 and 15 Jan 2020 SGBAU, Amravati
2019-20	Dr. S.A.Awachar	Asst. Prof.	Won 2 <sup>nd</sup> prize in category ET(TH level) at Avishkar-2019 Project entitled “Leg Controlled Artificial Arm” University Color Code Holder14 and 15 Jan 2020 SGBAU, Amravati
2019-20	Dr. S.A.Awachar	Asst. Prof.	Participated and Presented Research Project at 14 <sup>th</sup> Maharashtra State Inter University Avishkar 2019 category ET(TH level) at University of Mumbai 28 Jan - 31 <sup>st</sup> Jan 2020
Nov.2019	Prof.S.J.Ningwal	Assistant professor	SET-Savitribai phule pune university.



## 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
B.Tech.(Chemical)	111650710	VIII Sem/IV year	1/11/2020	9/11/2020
B.E.(Civil)	111619110	VIII Sem/IV year	1/11/2020	9/11/2020
B.E. (CSE)	111624210	VIII Sem/IV year	1/11/2020	9/11/2020
B.E.(Mechanical)	111661210	VIII Sem/IV year	1/11/2020	9/11/2020
Architecture	111603210	X Sem/V year	31/10/2020	20/11/2020
M.Tech.(Chemical)	111650710	II Sem/II year	Due to pandemic situation exam was conducted on the basis of assignments	24/11/2020
M.E.(Structural)	111621210	II Sem/II year	Due to pandemic situation exam was conducted on the basis of assignments	24/11/2020

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

The institute has a college level Exam committee and a department level internal exam in-charge. The institute exam committee takes the overall responsibility of conducting the end semester university examination. The students who fail in tests are given assignments for improvements. Subject teachers have taken online sessions after test to solve difficulties in questions. For the continuous evaluation process online tests, online assignments, online presentations, online lab work, online seminars, overall conduct and behavior of students are taken into consideration.

Due to sudden pandemic situation, the internal evaluation was done through online means. The subject teachers were instructed to undertake unit-wise online MCQ test through Google form and online assignments through Google classroom. The online means were helpful in maintaining records in structured form and provide answers to students immediately. The students can immediately know their performance and improve accordingly.

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

Before the start of every academic session, Principal along Dean Academics and Heads of all the Departments finalize the Academic Calendar in alignment with the university schedule. College academic calendar is designed considering all events in accordance with the University academic calendar. It is designed semester-wise and mainly include commencement date, closing date of the semester, dates of unit tests I and II, college festivals, declared holidays, any other planned events. Curricular and extra-curricular activity dates, exam schedules and other activity dates like- sport event, NSS camp, Social gathering etc. are included in the academic calendar. Dean Academics is in charge of academic monitoring cell. Faculty conducts lectures and practicals as per the timetable in alignment with the academic calendar. Exams and event dates are strictly followed as per the academic calendar. Tentative schedule for remedial classes for weaker students and lateral entry students is mentioned in academic calendar. Online tools were used in even semester to carry out academic activities so the schedule was slightly extended.

## 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

Yes, the Program outcomes, program specific outcomes for all programs offered by the institution are stated and displayed in the website:

<https://www.coeta.ac.in/>

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
111650710	B.Tech.(Chemical)	31	31	100%
111619110	B.E.(Civil)	76	76	100%
111624210	B.E.(CSE)	67	67	100%
111661210	B.E.(Mechanical)	59	59	100%
111603210	B.Arch.	32	32	100%
111650710	M.Tech(Chemical)	02	01	50%
111621210	M.E.(Structural)	08	02	25 %

## 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)

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

A questionnaire is designed in Google forms, which is filled by just pass-out students online. The mode is essentially online. As the students are passed out, they move on to other cities for job, higher studies or any other reasons. The survey helps institute in knowing the learning experience of students and can help to improve the teaching-learning process as per student's requirements.

<https://www.coeta.ac.in/LinkFiles/Student%20Satisfaction%20Survey.xlsx>

## 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 Academic year
Major projects				
COET Akola	SPDP for SC/ST Students	AICTE	2018-19 For duration Duration 2019 to 2022.	14,91,000/-
1. Maharashtra	Since	Maharashtra	18,75,000/-	6,00,000=00

Pollution Control Board	2009 Extended every Year	Pollution Control Board	at Time of Sanction	
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students Research Projects (other than compulsory by the College)	-	-	-	-
International Projects	-	-	-	-
Any other(Specify)				
<b>Any other(Specify)</b> Conference Grants	01year	AICTE	1,67,000/-	1,67,000/-
Unnat Bharat Abhiyan		IIT Delhi	1,75,000/-	1,75,000/-
Total			37,08,000=00	16,87,000=00

### 3.2 Innovation Ecosystem-

#### 3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year -2019-20

Title of Workshop/Seminar	Name of the Dept.	Date(s)
1. Intellectual Property Rights	All departments	23/01/20

#### 3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year-2019-20

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
1.Smart village model	Kiran Sadhawani & Sakshi Band	COET,Akola Gadgebaba mandal, Daryapur.	11/10/2019	Student
2.Project & model expo	Hema Sadhawani	Deptt. Of CSE, COET, Akola	07/03/2020	Student
3 Lockdown competition 2020	Vipul Uttamchandani	Design discourse India	25/04/2020	Student
4.International Competition of Technical Working at Model Competition” Under Water	Mr. Akash Khande & Dhumeel Kanzode third prize	College of Engineering and Technology Akola	11/10/2019	Student

Management				
5.International Competition of Technical Working at Model Competition” ” Under Water Management	Mr. Yogeshwar Pawar & Mr. Divesh Umale third prize	College of Engineering and Technology Akola	11/10/2019	Student
6.International Competition of Technical Working at Model Competition” ” Under Renewable Energy Category	Mr. Akash Jadav & Hrushikesk Takwale third prize	College of Engineering and Technology Akola	11/10/2019	Student
7.International Competition of Technical Working at Model Competition Under Renewable Energy Category	Mr. Saurabh Sakhare & Mr. Syed Furqan Hussain third prize	College of Engineering and Technology Akola	11/10/2019	Student
8.Technothlon-2019	Mr. Mayur Parate third prize	College of Engineering and Technology Akola	11/10/2019	Student
9.Project and Model Presentation	Miss Arti Khadse Final Year CSE	P.R.Pote College Amravati First Prize Techelons-2020	21/01/2020	Student
10.Project and Model Presentation	Mr.Nikhil Warge Third Year CSE	P.R.Pote College Amravati Second Prize Techelons-2020	21/01/2020	Student
11.Paper Presentation	Miss Pooja Ghatol Third Year CSE	PRMIT&R Badnera Second Prize In Esperanza-2020	27/01/2020	Student
12.Project Competition	Mr.Nikhil Warge Third Year CSE	PRMIT&R Badnera Second Prize In Esperanza-2020	27/01/2020	Student

13.Project Design Innovision 2K20	Mr.Nikhil Warge Third Year CSE	JSPM Pune Project Design Innovision 2K20  Second Prize	29-30/01/2020	Student
14.Talent Hunt	Miss Pooja Ghatol Third Year CSE	Mauli College of Engineering Shegaon 2 nd Prize in IGNITE	14-15/01/2020	Student
15. Lan Gaming	Mr. Harshal Rathod	Mauli College of Engineering Shegaon  2 nd Prize in IGNITE	14-15/01/2020	Student
16.Model Competition	Mr. Yash Jadhav Mr. Akshay Yadav	COET Akola 2 <sup>nd</sup> Prize	11/10/2020	Student
17.CAD Design	Mr. Sameer Patil	Mauli College of Engineering Shegaon  2 nd Prize in IGNITE	14-15/01/2020	Student
18.Paper Presentation	Mr. Nikhil Chinchwadkar	PRMIT&R Badnera Second Prize In Esperanza- 2020	27/01/2020	Student
19.Paper Presentation	Mr. Vishwajeet Gawarguru Miss Arti Khadse	Mauli College of Engineering Shegaon  1st Prize in IGNITE	04-05/01/2020	Student
20.Startup Business Plan Competition 2019	Dr.S.L.Satarkar Dr.S.S.Agrawal P.V.Joshi	Sant Gadge Baba Amravati University 5 <sup>th</sup> Prize	4-5/09/19	Faculty
21.IoT based ICU on wheels Avishkar 2019	Dr.S.L.Satarkar Dr.S.S.Agrawal	Sant Gadge Baba Amravati University 2nd Prize	14-15/01/2020	Faculty
22.Avishkar 2019	Dr.S.L.Satarkar P.V.Joshi	Sant Gadge Baba Amravati University	14-15/01/2020	Faculty

		1st Prize		
23.Avishkar 2019	Prof.S.A.Awachar	Sant Gadge Baba Amravati University 2nd Prize	14-15/01/2020	Faculty
24.IoT based ICU on wheels	Dr. S.L.Satarkar Dr.S.S.Agrawal P.V.Joshi	Master Innovator in Amravati startup business plan competition 2019	4-5 Sep 2019	Category D (For Teachers)
25.IoT based ICU on wheels	Dr. S.L.Satarkar Dr.S.S.Agrawal P.V.Joshi	International Technical model making competition at COET, Akola	11 Oct 2019	Category A (General)

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

Incubation Centre	Name	Sponsored by
COET Akola	COET,Akola Innovation Foundation	Varhad Capital Pune.

Name of the Start-up	Nature of Start-up	Date of commencement
1.Wadgaon Oil Seeds Processing Cluster	Oil Seed Processing	In Progress
2.Chakan Leather Products Cluster, Dehugaon,Pune	Leather Products	In Progress
3.Osmanabad Leather Products Cluster, Bhoom,Osmanabad	Leather Products	In Progress

### 3.3 Research Publications and Awards

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

State	National	International
--	--	--

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

Name of the Department	No. of Ph. Ds Awarded
Civil Engineering	01
Computer Engineering	03
Mechanical/Production Engineering	01
Textile Engineering	01
Chemistry	01

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

	Department	No. of Publication	Average Impact Factor, if any
National	Civil Engg	06	--
Internati	Civil Engg	08	4.226

onal Internati onal	Chemical Engg	02	1.75
	Computer Engg	07	5.84
	Mechanical Engg	02	7.87
	Architecture	01	--
	First Year	04	4.22

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

Department	No. of publication	
	National	International
Civil Engineering	03	06
Chemical Engg	00	00
Computer Engg	00	03
Mech Engg	00	00
Architecture	16	00
First Year	00	01

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

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
1.Dr. S. K. Patil published paper on “Modernization and Automation in Ginning and Pressing Industries for Performance Enhancement” in International Journal Engineering Research & Technology (IJERT) Volume: 09 Issue: 01   Jan 2020.	Dr. S. K. Patil	International Journal Engineering Research & Technology (IJERT)	01   Jan 2020	--	COET, Akola	
2.Dr. S. K. Patil published paper on	Dr. S. K. Patil	International Journal	01   Jan	--	COET,	

“Focus on Modernization & Improvements in Dall (pulses)Mills” in International Journal Engineering Research & Technology (IJERT) Volume: 09 Issue: 01   Jan 2020		Engineering Research & Technology (IJERT)	2020		Akola	
3.Intensification of Artificial Intelligence in Medical Diagnosis: An Overview	Prof. M.K. Deshmukh	International conference on Recent Trends & Research in Engineering & Science	May, 2020	--	COET, Akola\	
4.“Biometric Foetal Contour Extraction UsingHybrid LeveSet”	Dr. R.S. Jaiswal	International Conference on Signal and Image Processing, Chennai, India	Sept. 2020	--	COET, Akola	
5.Development of NN Classifier for Recognition of Human Moods	Dr. S.A. Awachar	International Journal of Computer Vision & Robotics	May, 2020	--	COET, Akola	
6."Analytical Overview Of Defuzzification Methods,"	Prof. K.S. Gilda	International Journal of Advance Research, Ideas and Innovations in Technology	March, 2020	--	COET, Akola	
7.A Case Study On Cotton Plant Leaf Diseases	Prof. S.A. Bobade	International Organization of Research & Development	March, 2020	--	COET, Akola	
8.A Case Study On Cotton Plant Leaf Diseases	Prof. M.K. Deshmukh	International Organization of Research & Development	March, 2020		COET, Akola	
9.Synthesis , Characterization and the	Dr. V. T.	International Journal of	01/01/20	--	College of Engineeri	



study of electrochemical properties of conjugated-type doped polymer	Bhugul	Pure and Applied Research in Engineering and Technology	20		ng and Technology, Akola	
10.Fibers for Technical Application	Dr. P. D. Bhanawat	International Journal for textile processing		--	College of Engineering and Technology, Akola	
11.Application of adjacency, distance and bond matrices for presenting a chemical structure	Prof. S. D. DshmuKh	Ajanta- An international, multidisciplinary quarterly	April-June-2019	--	College of Engineering and Technology, Akola	

### 3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
1.Dr. S. K. Patil published paper on “Modernization and Automation in Ginning and Pressing Industries for Performance Enhancement” in International Journal Engineering Research & Technology (IJERT) Volume: 09 Issue: 01   Jan 2020	Dr. S. K. Patil	International Journal Engineering Research & Technology (IJERT)	01   Jan 2020	--	--	COET,Akola
2.Dr. S. K. Patil published paper on “Focus on Modernization & Improvements in Dall (pulses)Mills” in International Journal Engineering Research &Technology (IJERT) Volume: 09 Issue: 01   Jan	Dr. S. K. Patil	International Journal Engineering Research & Technology (IJERT)	01   Jan 2020	--	--	COET,Akola

2020						
3.Intensification of Artificial Intelligence in Medical Diagnosis: An Overview	Prof. M.K. Deshmukh	International conference on Recent Trends & Research in Engineering & Science	May, 2020	--	--	COET, Akola
4.“Biometric Foetal Contour Extraction using Hybrid Leve Set”	Dr. R.S. Jaiswal	International Conference on Signal and Image Processing, Chennai, India	Sept. 2020	--	--	COET, Akola
5.Development of NN Classifier for Recognition of Human Moods	Dr. S.A. Awachar	International Journal of Computer Vision & Robotics	May, 2020	--	--	COET, Akola
6."Analytical overview of defuzzification methods,"	Prof. K.S. Gilda	International Journal of Advance Research, Ideas and Innovations in Technology	March, 2020	--	--	COET, Akola
7.A case study on Cotton Plant Leaf Diseases	Prof. S.A. Bobade	International Organization of Research & Development	March, 2020	--	--	COET, Akola
8.A case study on Cotton Plant Leaf Diseases	Prof. M.K. Deshmukh	International Organization of Research & Development	March, 2020	--	--	COET, Akola
9.Synthesis , Characterization and the study of electrochemical properties of conjugated-type doped polymer	Dr. V. T. Bhugul	International Journal of Pure and Applied Research in Engineering and Technology	01/01/2020	--	--	COET, Akola
10.Fibers for Technical Application	Dr. P. D. Bhanawat	International Journal for textile processing		--	--	COET, Akola

11.Application of adjacency, distance and bond matrices for presenting a chemical structure	Prof. S. D. Dshmukshe	Ajanta- An international, multidisciplinary quarterly	April-June-2019	--	--	COET, Akola
<b>3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :</b>						
No. of Faculty	International level	National level	State level	Local level		
Attended Seminars/ Workshops						
133 STTP and Workshops/seminars	--	2	Yes	Yes		
Webinar		15	01			
Presented papers	09	03	--	--		
Resource Persons		03	--	--		
<b>3.4 Extension Activities</b>						
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 co-ordinated such activities	Number of students participated in such activities			
1.Amravati Startup Business Plan Competition 2019	Govt. Of Maharashtra State Innovation Council	Two teachers, Sept.4-5, 2019	03			
2.Tree plantation Programme in the Institute.	01-07-2019	Prof. H.S.Nemane & N.S.S. students	40			
3.Tree plantation Programme at the Zilla Parishad School premise, Ranpisenagar, Akola.	27-07-2019	Prof. H.S.Nemane & N.S.S. students	42			
4.Tree Plantation Programme In College Campus And Back side.	05-08-2019	Prof. H.S.Nemane & N.S.S. students	48			
5.Tree Plantation	15 -08- 2019	Prof. H.S.NEMANE & N.S.S. students	36			

Programme On The Occasion Of Independence Day Celebration ie On 15 <sup>th</sup> Of August 2019			
6.Swachbharat Abhiyan At College Campus; New Bus Stand; Old Bus Stand; Railway Station Premises. And Gram Kanheri (Sarap)	17- 09 – 2019 To 24-09- 2019	Prof. H.S.Nemane & N.S.S. students	48
7.N S S dayprogramme in the Institution.	24-09-2019	Prof. H.S.Nemane & N.S.S. students `	45
8.Blood Donation Camp organised in Institute.	28-09 - 2019	Prof. H.S.Nemane & N.S.S. Students	35
9.Uva –Mahiti Doot Programme in college ,’One Day Workshop”	24 August 2019	Prof. H.S.Nemane & N.S.S. Students	36
10.Vyasanmukti Diwas was organise dated 11july 2019 and students were advised.	11of july 2019	Prof. H.S.Nemane & N.S.S. Students	120
11.Election Awareness programme Matadan Kara- Desh Wachawa in Dattk gram Kanheri (Sarap).	05 -10 -2019	Prof. H.S.Nemane & N.S.S. Students	115
12.Blood Donation Camp- 02organised in college campus “Swecha Raktadan Shibir”	11-02-2020	Prof. H.S.Nemane & N.S.S. Students	40
13.Plastic Nirmulan Abhiyan Rally in kanheri(sarap)	13-01-2020	Prof. H.S.Nemane & N.S.S. Students	49
14.Rastriya Yuva Saptah “Jijau-Sawitri – Janmostova in thecollege and Kanheri(sarap)	03 -01- 2020 To 12-01 -2020	Prof. H.S.Nemane & N.S.S. Students	43
15.Blinds School programme organised to provide services to blind students.	06-03-2019	Prof. H.S.Nemane & N.S.S. Students	40
16.Teacher Guardian Mentoring scheme	Throughout the year	Faculties from all the departments	All students
17.Women	Guest and	NSS- co-ordinator	45

Dayprogramme on “ Avoid Plastic Bag & make use of Paper Bag “ at Choti Umari, Akola.	COET		
18.School for Blinds programme organised to provide services to blind students.	Blind School and COET	NSS- co-ordinator	48
19.Disaster management programme in the Institution.	Guest and COET	NSS- co-ordinator	230
20.Mahiti Doot Programme organised at Village-Babhulgaon to provide information of Government Schemes to Farmers; Women; Students; backward classes; etc.	COET,Akola	NSS- co-ordinator	53
21.Introduction to digital architecture.	School of architecture, COET, Akola	Architecture Department	160
22.Orientation programme for FY B Arch	School of architecture, COET, Akola	Architecture Department	80
23.Hotel & Interiors	School of architecture, COET, Akola	Architecture Department	120
24.Grooming acting	School of architecture, COET, Akola	Architecture Department	120
25.Housing typologies	School of architecture, COET, Akola	Architecture Department	120
26.Clay modelling	School of architecture, COET, Akola	Architecture Department	120
27.Industrial safety	Department	Department Of Chemical	167

Workshop.	Of Chemical Engg	Engg	
28. Water Testing Camp.	Department Of Chemical Engg	Department Of Chemical Engg.	117
29. Gate Lecture	Department Of Chemical Engg	Department Of Chemical Engg.	91
30. Opportunities for chemical Engineers.	Department Of Chemical Engg	Department Of Chemical Engg	150
31. ChemTech2020-Quiz Competition.	Department Of Chemical Engg	Department Of Chemical Engg.	117
32. Industrial Visit – Jain Irrigation.	Department Of Chemical Engg	Department Of Chemical Engg.	60
33. Water Testing Camp- Babhulgaon Village.	Department Of Chemical Engg	Department Of Chemical Engg.	117
34. Alumni Meet-1995 batch.	Department Of Chemical Engg	Department Of Chemical Engg.	160
35. Swach Bharat Abhiyan-Murumba.	Department Of Chemical Engg	Department Of Chemical Engg	31
36. Plastic Free Village- Murumba.	Department Of Chemical Engg	Department Of Chemical Engg.	31
37. Alumni Meet batch 1991.	Department Of Chemical Engg	Department Of Chemical Engg.	160
38. Tree plantation program.	Department Of Chemical Engg	Department Of Chemical Engg.	117
39. Amravati startup business plan competition 2019.	Govt. Of Maharashtra state innovation council	Two teachers, Sept.4-5, 2019	03
40. Swachchha Bharat Abhiyan & Mass Tree Plantation under Universal Human Value.	College of Engineering & Technology, Babhulgao, Akola	First Year Dept.	150 students of the Institute
41. Soft Skill and personality Development	COET, Akola	Mr. Vinayaka Ghawale, soft Skill Trainer, Pune	Third Year students
42. Aptitude training program.	COET, Akola	T.I.M.E. Akola	130 students of Third and Final Year

43.Amcat Examination on aptitude, soft skill and Technical Knowledge.	COET,Akola	Aspiring Minds, Hyderabad.	Students of Third and Final Year
44.Personality development.	COET,Akola	Dr. S. K. Agrawal, Training & placement department, COE&T, Akola	150 Students First year
45.Interview of Dr. Ravindra Kolhe on OHP(A doctor devotes himself for welfare of tribal of Melghat) under Universal Human Values.	COET,Akola	FYMC	150 Students First year
46.Clip of PAANI Foundation” under Universal Human Values.	COET,Akola	FYMC	150 Students First year
47.SWAYAM and NPTEL	COET,Akola	Faculties All Dept COET Akola	200
48.Campus Recruitment Training Program	COET,Akola	T & P Cell COETA	All Final year students
49.Parikhsha Pe Charcha 2020	COET,Akola	Hon. Prime Minister interacted with students was telecasted online for our students	85
50.TechnoBlitz-2k20 A National level Event with 13 parallel Events	COET,Akola	Dept CSE and Many sponsors	1200
51.Online Quiz on Basics of Digital Electronics	COET,Akola	Dept CSE, COETA	700
52.Awareness campaign to save water & competition held in various schools in Akola	COET,Akola	Civil Engineering Department	2400
53.Workshop on advance construction materials	COET,Akola	Civil Engineering Students Academic Association	150students
54.Visit to construction site of STP @ GMC Akola	COET,Akola	CESAA Civil Engineering Students Academic Association under Prof .A T Tathod, Faculty In-charge	Final year students
55. Student Induction Program.	COET,Akola	AICTE-UGC-COETA FYMC	160

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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	No. of Students benefited
Curriculum Development	Dr.S.K.Deshmukh Chairman Board of Studies, Civil Engg SGBAU	Sant Gadge Baba Amravati University	All civil engg students from SGBAU
Water Awareness	Dr.S.K.Deshmukh	Indian Water	Community and

	Vice Chairman IWWA	Works Association	students
Curriculum Development	Dr.P.V.Thorat Chairman Board of Studies, Chemical and Polymer Engg SGBAU	Sant Gadge Baba Amravati University	All Chemical Engg students from SGBAU
Curriculum Development	Dr.P.V.Thorat Expert Member, Board of Studies, Government Polytechnique Amravati	Government Polytechnique Amravati	All Polymer Engg students from polytechniques
Plastic Awareness	Dr.P.V.Thorat Vice President IPI	Indian Plastics Institute	Plastic Industries, Communiity and Academia
Curriculum Development	Dr.S.N.Nemade Member Board of Studies, Chemical and Polymer Engg SGBAU	Sant Gadge Baba Amravati University	All Chemical Engg students from SGBAU
Curriculum Development	Dr.S.V.Khedkar Expert Member, Board of Studies, Government Polytechnique Amravati	Government Polytechnique Amravati	All Chemical Engg students from polytechniques
Curriculum Development	Dr.S.K.Patil Member Board of Studies, Mechanical Engg SGBAU	Sant Gadge Baba Amravati University	All Production Engg students from SGBAU
Curriculum Development	Dr.A.R.Gupta Member Board of Studies, Mechanical Engg SGBAU	Sant Gadge Baba Amravati University	All Civil Engg students from SGBAU
Curriculum Development	Prof. D.L.Jade Chairman, Architecture BOS	Sant Gadge Baba Amravati University	All Architecture students from SGBAU
Curriculum Development	Prof. R.M.Shambharkar Member , Architecture BOS	Sant Gadge Baba Amravati University	All Architecture students from SGBAU
Curriculum Development	Prof A.A.Pande Member , Architecture BOS	Sant Gadge Baba Amravati University	All Architecture students from SGBAU
Curriculum Development	Prof. S.V.Dhomne BOS member at Dr. Babasaheb Ambedkar Marathwada University ,Aurangabad ,M.S	BOS member at Dr. Babasaheb Ambedkar Marathwada University ,Aurangabad ,M.S	All Architecture students from BAMU
Startup Business Plan Competition 2019	Dr.S.L.Satarkar Dr.S.S.Agrawal 5 <sup>th</sup> Prize	Sant Gadge Baba Amravati University	200
Unnat Bharat Abhiyan	Perenial assistance award, fund Rs.1,75,000	National coordinator, UBA,	35



	Coordinator Dr.G.S.Zamre	IIT Delhi	
Avishkar 2019	Dr.S.L.Satarkar Dr.S.S.Agrawal	Sant Gadge Baba Amravati University 2nd Prize	100
Avishkar 2019	Dr.S.L.Satarkar P.V.Joshi	Sant Gadge Baba Amravati University 1st Prize	100
Avishkar 2019	Prof.S.A.Awachar	Sant Gadge Baba Amravati University 2nd Prize	100
Smart village model	Kiran Sadhawani & Sakshi Band	COET,AKOLA Gadgebaba mandal, Darya'r	120
Lockdown competition 2020	Vipul Uttamchandani	Design discourse India	120

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Unnat Bharat Abhiyan, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
1)Swachh Bharat	Railway Station Akola	Clean Akola Green Akola	03	15
2)Tree Plantation	Ranpise Nagar Colony	Clean Akola Green Akola.	03	35
3)Digital India	Engg. College	Saksharta Abhiyan	03	18
4)Unnat Bharat Abhiyan	COET Akola & G.P. Muramba Village	Plastic Free Village Swatch Bharat	02	42
5)Unnat Bharat	Murumba	Socio-physical household survey	02	30
6) Street Play	COET Akola	Street Play	01	1000

### 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
1)Modular Training at RCF.	33	Self finance	06 Days
2)Expert Talk	75	COET Akola	01 Day
3)Industrial Visit	90	COET Akola	03 Days
4)Guest Lecture	60	COET Akola	01 Day
5)Architecture Workshop	90	IIA Akola centre and Tao Architects.	02 day
6)National level academic	35	Self finance	02 days

competition(NASA)			
7)Microsoft	--	--	--
8)TATA consultancy services	--	--	--
9)Microspectra software technologies Pvt. Ltd.	--	--	--

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	Participant
Industry	Industrial project	TAL Nagpur	01/07/2018 to 31/05/2019	Ms. Payal Gawande
Industry	Industrial project/visit	Avika Agro (P) Ltd., Akot, <u>Contact Details:</u> Phone: (07258) 224441 Email: avikaagro@rediffmail.com	01/07/2018 to 31/05/2019	Mr. Shyam Wakode
Industry	Industrial project/visit	Galaxy Laboratories, Newasa , Nagar <u>Contact Details:</u> Phone: --- Email: @rediffmail.com	01/07/2018 to 31/05/2019	Mr. Rajendra Kambade
Research Lab. Sharing	Testing	Govt. Polytechnic Amravati. Contact Person: Principal Phone: (0721) 2660127 Email: --- principal@gpamravati.ac.in	02/04/2019	Third Year Students (21 Nos.)
Architecture Professional Training	Internship	Registered Architects offices/firms	15June -18,to 15-Dec 18.	30 students of final year

**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
-	-

**4.1.2 Details of augmentation in infrastructure facilities during the year**

Facilities	Existing	Newly added
Campus area	19510.66 Sqm	-
Class rooms	25 + 5 (TR)	-
Laboratories	42 + 5(Studio) + 3 (DH) + 1(WS)	-
Seminar Halls	03	-
Classrooms with LCD facilities	08	-
Classrooms with Wi-Fi/ LAN	08	-
Seminar halls with ICT facilities	03	-
Video Centre	00	-
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	00	--
Value of the equipment purchased during the year (Rs. in Lakhs)	00	-
Others	-	-

**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
PC Software	Partially	1.0	2009

**4.2.1 Library Services:**

	Existing	Newly added		Total		
Reference Books	32668	13987194	281	98300	32949	14085494
e-Books	5522	3874925	24	80500	5546	3955425
Journals	6333	64925	6619	67500	6619	67500
e-Journals	39	101888	62	223439	62	223439
Digital Database	400	13570	400	13570	400	13570
CD & Video	02		02		02	
Library automation	1517 & 74	14674	16		1533 & 74	14674
Weeding (Hard & Soft)	Yes					
Others (specify)	1084	272970			1084	272970
	196	60000			196	60000

No. of Books Available for First Year 2019-2020

SUBJECT	Call No.	No. of Books
Engineering Chemistry	540	455
Engineering Chemistry	541	128
Physics	530	439
Engineering Mechanics	620	440
Electrical Engineering	621	520
Mathematics	510	1384
Engineering Drawing	604	407
Computer programming	001	203
Total		3976

#### 4.3 IT Infrastructure

##### 4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	557	13		13	1 with 60 terminals	25	@532	64 MBPS	
Added	100	-	-	-	-	-	100	100MBPS	
Total	657	13		13	1 with 60 terminals	25	@632	100MBPS	

##### 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
	Zoom App, WebEx, Google Classroom, YouTube

##### 4.3.4 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
1)Prof. S. J .Ningwal 2)Prof. A.A. Bihade	Unnat Bharat	-	

#### 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

S. No	Particulars	Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1	Department consumable		2,79,600	-	-
2	Library books		2,78,669	-	-
3	Computer /Equipment		22,21,448	-	-
4	T & P/ STTP		135777 +358743	-	-
5	Building Maintenance	-	-		1,40,025
6	Bus Maintenance	-	-		1,54,022
7	Electrification	-	-		93,936
8	Other	-	-		5,36,748

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

#### **The Policy and the Procedure for maintaining and utilizing Physical academic and the support facilities:**

The physical, academic and the support facilities including Building, Laboratories, Classrooms Library and Computers etc. are made available for the stakeholders of the college and require maintenance and repair regularly.

#### **1. Maintenance of infrastructure**

The college has separate maintenance departments for civil and electrical works that supervise the maintenance of buildings, classrooms and laboratories. The maintenance department is headed by the maintenance engineer, who efficiently organizes the workforce, maintaining duty files containing details about their individual department - wise responsibilities, timings, leave etc. The maintenance engineer conducts periodic checks to ensure the working condition of the infrastructure. Housekeeping staff is employed to thoroughly maintain hygiene, cleanliness and infrastructure on the campus so as to provide a pleasant learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by Non - teaching staff assigned for each department. The college lawn is maintained by the gardener appointed by the institute.

Working condition of all properties and equipment on the campus is ensured through annual maintenance contracts. The maintenance contract includes maintenance of Lift, Generator, Air Conditioners, CCTV

cameras and Water Purifiers. Apart from contract workers, the college has trained in - house electricians and plumbers.

**1. Maintenance of laboratory equipments:**

Repair and maintenance of expensive instruments is done through contract with related specified agency. Small equipment are repaired time-to-time and maintained periodically by local skilled persons.

**2. Maintenance of ICT:**

The college computers and accessories are monitored and maintained regularly by the Lab assistants under the supervision of the System administrator. The software updates, ICT tool and internet related problems are resolved from the respective service providers.

**3. Maintenance of Library:**

College Library has more than 35000 books and journals require a separate treatment and maintenance including binding. Binding of old worn out books is done by local agencies. And keeping library clean is done frequently by library staff.

**4. Maintenance of sports ground:**

Sport department of college has adequate infrastructural facilities. This department consisting of the indoor Gymkhana and Table tennis hall, Basketball court, Holley ball, Kabaddi, Kho-Kho and Hand ball ground, which can be used by student and staff. Maintenance of these ground is done by worker on regular basis under the guidance of sports director.

**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
<b>Financial support from institution</b>	<ul style="list-style-type: none"> <li>▪ AWARDS FROM INSTITUTION:</li> </ul>		
	1. Tuition Fee Waver Scheme (TFWS) to students.	08	77,328
	2. Institutional Support to Economical (EBC) backward students.	15	3,37500
	3. Academic Excellence awards to Topper from each discipline.	05	50,000/-
	<ul style="list-style-type: none"> <li>▪ AWARDS</li> </ul>		

	FROM FACULTY:		
	4.Late Prof. B.S. alias Daddy Deshmukh Scholarship to students who are Meritorious & Economically weaker.	10	50,000/-
	5. Late Prof. Chandrashekhar N. Kale Award for Excellence in Mathematics.	01	10,000/-
	6. Late Shri. Trymbakrao Bhugul Memorial Award to student who is Son/Daughter of Small land holder.	01	
	6. Late Shri. Trymbakrao Bhugul Memorial Award to student who is Son/Daughter of Small land holder.	03	11,000/-
	7.Late smt.Pushpalata Vishwasrao Thorat Memorial Award for Excellence (Topper) in Third Year Chemical Engineering	1	11000/-
	8.Late Shri Sheshrao Pandhari patil Zamare Memorial Award for Excellence (Topper) in Second Year Chemical Engineering	1	5000/-
	7. C O E & T, Akola Salary Earners Credit Co- operative society, Akola	14	315000/-
	8.Financial support by the institute to students.		

Financial support from other sources			
a) National	Scholarship & Freeship scheme of Government of India & State Government to students of EBC, OBC, SBC, SC, ST, VJNT, Minority Category.	816	5,17,10,583/-
b) International	---	---	---

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
1. Student Induction Programme as per AICTE & UGC guidelines under motivation & counselling of students.	01/08/2019 To 21/08/2019	150 Students First year	College of Engineering & Technology, Babhulgao, Akola & Experts from various fields.
2. Personality development program	6th Aug 19	150	Mr. Sunil Nand, Entrepreneur, Akola
3. Interview of Mr. Anand Kumar on OHP (Real Hero of super 30) under Universal Human Values.	6th August, 2019	150 Students First year	College of Engineering & Technology, Babhulgao, Akola
4. "Human Values and Goal Setting" under Universal Human Values.	7th August, 2019	150 Students First year.	Dr. S N Naikwad, College of Engineering & Technology, Babhulgao, Akola
5. Secret of life -a movie of positivity (A law of attraction)	7th August, 2019	150 Students First year	College of Engineering & Technology, Babhulgao, Akola
6. Interview of Dr. Ravindra Kolhe on	8th August, 2019	150 Students First year	College of Engineering & Technology, Babhulgao, Akola



OHP(A doctor devotes himself for welfare of tribal of Melghat) under Universal Human Values.			
7. Personality development	8th Aug. 2019	150 Students First year	Dr. S. K. Agrawal, Training & placement department, COE&T, Akola
8. Workshop on disaster management	9th Aug. 2019	130	Mr. Ankush Dongare Akola
9. Clip of PAANI Foundation” under Universal Human Values.	13th August, 2019	150 Students First year	College of Engineering & Technology, Babhulgao, Akola
10. Swachhha Bharat Abhiyan & Mass Tree Plantation under Universal Human Value	15th August, 2019	150 students of the Institute.	College of Engineering & Technology, Babhulgao, Akola
11. Soft Skill and personality Development	27/08/2019	Third Year students	Mr. Vinayaka Ghawale, soft Skill Trainer, Pune
12. Aptitude training program	04/09/ 2019 to 27/10/2019	130 students of Third and Final Year	T.I.M.E.Akola
13. Amcat Examination on aptitude, soft skill and Technical Knowledge.	01/08/ 2019 to 21/08/2019	Students of Third and Final Year	Aspiring Minds, Hydrabad.
14. One Day Workshop on Basic English	26th Aug. 2019	150 Students First year	Vinayaka Ghawade SEED INFOTECH, Soft skill trainer, Pune
15. Visit to construction site of MHADA at Shivni	25/07/2019	Second Year Students	Civil Engineering Students Academic Association under Prof .A T Tathod, Faculty In-charge
16. Visit to construction site of STP @ GMC Akola	24/01/2020	Final year students	CESAA Civil Engineering Students Academic Association under Prof .A T Tathod, Faculty In-charge
17. Visit to Shivni Airport	11/03/2020	Third Year students	Civil Engineering Students Academic Association under Prof .A T Tathod, Faculty In-charge
18. Skill Development workshop	03/01/2020	150 students	Civil Engineering Students Academic Association.
19. Workshop on advance construction	20/01/2020	150 students	Civil Engineering Students Academic Association

materials			
20. Workshop for Handling of total station	25/01/2020	Third years & final year students	Civil Engineering Students Academic Association
21. Awareness campaign to save water & competition held in various schools in Akola	01/03/2020 to 10/03/2020	2400	Civil engineering department
22. Online quiz for students	03/05/200	All students of civil Engineering	Civil Engineering Students Academic Association.
23. A B C of Building Information Modelling (BIM)	April 30th 2020 10:30 AM	All students of Architecture	Ar. Atul Singhal, BIM Consultants , Hamburg , Germany.
24. Integration of Conservation In Modern Architectural Practices	May 18th 2020 11:00 AM	All students of Architecture	Ar. Sukant Saha Conservation Architect, New Delhi
25. Urban Transformation	May 23rd 2010:30 AM	All students of Architecture	Ar. Jitendra Mehta Architect and Urbanist, INDORE
26. Virtual Interactive Session On Interior Architecture	June 27th 2020 10:30 AM	All students of Architecture	Ar.Jyoti Kalantri Principal Architect, Ideas Mumbai.
27. G.I.S. Application in Architecture 3D Modelling	May 16th 2020 at 1.00 p.m.	All students of Architecture	Mr.Rahul Gawai Research Scholar, GIS and Mapping Lab, School of Civil Engg, American University of Sharjah.
28. Architectural Thesis- Process Problems, Paradoxes	June 17th 2020 at 11.00 a.m.		Ar.Satya Prakash Varanashi Sathya Consultants, Bangalore.
29. Expert talk on software's	July 2019	180	Mr Kalpesh Beldar, Technical Expert From Google
30. Mentoring the Project presented in AVISHKAR 2019-20	July 2019 to Sep 2020	30	Faculties Dept of CSE, COETA
31. SWAYAM and NPTEL	July 19 to Feb 20	200	Faculties All Dept COET Akola

32. Induction Program for second year students and Annual parents meet	24th Aug 2019	85	Dept CSE, COETA
33. Campus Recruitment Training Program	26/08/2019	All Final year students	T & P Cell COETA
34. Guest lecture on aptitude, soft skill and Technical Knowledge.	3 Sep 2019	175	Mr. Mohit Sahare from Aspiring minds
35. International Technical working model competition	11th Oct 2019	12	In collaboration with Sant Gadgebaba Mandal , Daryapur on Birthday of Dr. Vijay Bhatkar
36. GATE Coaching	01 Jan 20 to 10Jan 2020	25	Prof K.S.Gilda , Dept of CSE, COETA
37. CSE wall magazine	20th Jan 2020	08	2nd yr CSE
38. Parikhsha Pe Charcha 2020	20th Jan 2020.	85	Hon. Prime Minister interacted with students was telecasted online for our students
39. TechnoBlitz-2k20 A National level Event with 13 parallel Events	7th March 2020	1200	Dept CSE and Many sponsors
40. Remedial Coaching online during the lockdown period	18th March 2020 to May 2020	180	Dept CSE, COETA
41. Language Practical's online	18th March 2020 to May 2020	180	Dept CSE, COETA
42. Online Quiz on Basics of Digital Electronics	15th May 2020	700	Dept CSE, COETA
43. Online Quiz on Basics of Data Structures	18th May 2020	600	Dept CSE, COETA
44. Online Quiz on Basics of OOP	17th May 2020	700	Dept CSE, COETA
45. Webinar on Telecom Evolution and Market trends Feedback	30th May 2020	400	National level Webinar by Dept of CSE COET in association with CIT Chapter Amravati
46. Online Two weeks Training program on Aptitude and Personality Development by department of CSE	11 June to 20th June 2020	300	Dept CSE, COETA
47. National Service	31-12-2019 To 07-	200	Prof. H .S .Nemane

Scheme of the Institute organised special camp at Village: Ugwa District: Akola to provide Social Services & activities such as Importance of Tree plant, Swachbharat Abhiyan, Free medical Health check up camp, Andhashraddha Nirmulan, Yoga, Women Empowerment, Cultural programme, agricultural crop patterns, Personality development to school children's, Drawing & Rangoli Competition, Preserve & Save Water programme, Importance of voting, etc;.	01-2020		( N.S.S. Programme Officer of Institute) & SGB Amravati University, Amravati.
48. International Yoga Day.	21-06-2019	140	Prof. H.S.NEMANE & N.S.S. students
49. Tree plantation Programme in the Institute.	01-07-2019	40	Prof. H.S.NEMANE & N.S.S. students
50. Tree plantation Programme at the Zilla Parishad School premise, Ranpisenagar, Akola.	27-07-2019	42	Prof. H.S.NEMANE & N.S.S. students
51. Tree plantation Programme in college campus and back side.	05-08-2019	48	Prof. H.S.NEMANE & N.S.S. students

52. Tree plantation Programme on the occasion of Independence Day Celebration	15 -08- 2019	36	Prof. H.S.NEMANE & N.S.S. students
53. Swachbharat Abhiyan at College Campus; New Bus stand; Old Bus stand; Railway Station premises. And gram Kanheri (sarap)	17- 09 – 2019 To 24-09- 2019	48	Prof. H.S.NEMANE & N.S.S. students
54. N S S day programme in the Institution.	24-09-2019	45	Prof. H.S.NEMANE & N.S.S. students `
55. Blood Donation Camp organised in Institute.	28-09 - 2019	35	Prof. H.S.NEMANE & N.S.S. students
56. Uva –Mahiti Doot Programme in college ,’One Day Workshop”	24 August 2019	36	Prof. H.S.NEMANE & N.S.S. students
57. Vyasnmuktti Diwas was organise dated 11july 2019 and students were advised.	11 July 2019	120	Prof. H.S.NEMANE & N.S.S. students
58. Election Awareness programme Matadan Kara-Desh Wachawa in Dattak gram Kanheri (Sarap).	05 -10 -2019	115	Prof. H.S.NEMANE & N.S.S. students
59. Blood Donation Camp-02organised in college campus “Swecha Raktadan Shibir”	11-02-2020	40	Prof. H.S.NEMANE & N.S.S. students
60. Plastic Nirmulan Abhiyan Rally in kanheri(sarap)	13-01-2020	49	Prof. H.S.NEMANE & N.S.S. students
61. Rastriya Yuva Saptah “Jijau-Sawitri –	03 -01- 2020 To 12-01 -2020	43	Prof. H.S.NEMANE & N.S.S. students

Janmostova in the college and Kanheri(sarap)			
62. Blinds School programme organised to provide services to blind students.	06-03-2019	40	Prof. H.S.NEMANE & N.S.S. students
63. Teacher Guardian Mentoring scheme	Throughout the year	All students	Faculties from all the departments
64. Blood Donation Camp-02 organised in college campus "Swecha Raktadan Shibir"	11-02-2020	40	Prof. H.S.NEMANE & N.S.S. students
65. Plastic Nirmulan Abhiyan Rally in Kanheri(sarap)	13-01-2020	49	Prof. H.S.NEMANE & N.S.S. students
66. Rastriya Yuva Saptah "Jijau-Sawitri – Janmostova in the college and village Kanheri(sarap)	03 -01- 2020 To 12-01 -2020	43	Prof. H.S.NEMANE & N.S.S. students

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2019-20	Campus Recruitment Training Program for Third and Final Year students	--	200	--	117
2019-20	Amcat Examination has				

	been conducted for Third and Final Year students to assess the knowledge of aptitude, soft skill and Technical Knowledge	50	90	15	45
2019-20	GATE Coaching by Prof.K.S. Gilda Dept of CSE, COETA	25	--	03	--
2019-2020	GATE Coaching by Faculties of Architecture	30		05	--

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressed
NIL	---	---

## 5.2 Student Progression

5.2.1 Details of campus placement during the year 2019-20

Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
1. Paramatrix, Mumbai	60	01	1.Dikora, Bhusawal	08	06
2.Veer IT, Nagpur	30	03	2.M. S. Mining, Nagpur	01	01
3.Dhoot	77	51	3.Polurub, Pune	25	15

Transmis sion, Auranga bad					
4.ICICI Bank through NIIT, Nagpur	101	22	4.Verroc, Aurangabad	02	02
5.Sidhart ha Carboche m, Jalgaon	62	08	5.RIJ Engineering, Pune	05	02
6.Orient Paper Mills- Caustic Soda Unit,Aml ai, Madhya Pradesh.	27	06			
7.Sthapty a Consulta ncy, Amravati	12	05			

5.2.2 Student progression to higher education in percentage during the year 2019-20

<b>Year</b>	<b>Number of students enrolling into higher education</b>	<b>Programme graduated from</b>	<b>Department graduated from</b>	<b>Name of institution joined</b>	<b>Name of Programme admitted to</b>
2019-20	02	Four Year BE	Computer Sci. & Engineering	1.P.R.Potey COET Badnera 2.PRMIT Badnera	ME( Computer)
2019-20	03		Architecture	MIT, Aurangabad.	M. Arch.(Master of Urban Design)
2019-20	01	COETA	CIVIL	COETA AKOLA	M.E.(



		AKOLA 2018-19			STRUCTURE)
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) 2019-20-NA					
	<b>Items</b>	<b>No. of Students selected/ qualifying</b>		<b>Registration number/roll number for the exam</b>	
	NET				
	SET				
	SLET				
	GATE	Architecture: 05 a) Ruchika Thakare  b) Jayanti Mokasdar c) Chetana Rathod d) Radhika Gaygol e) Kalyani Deshmukh		a) GATE 2020 AR20S32027089 MARK-17.67 GATE 2021 AR21S22029152 MARKS-16	
	GMAT				
	CAT				
	GRE	1. Computer: 01		---	
	TOFEL				
	Civil Services				
	State Government Services				
	Any Other Maharashtra State (MH-CET)	Architecture : 04 a) Ruchika Thakare b) Jayanti Mokasdar c) Chetana Rathod d) Radhika Gaygole  Computer Sci. & Engineering: 02			
5.2.4 Sports and cultural activities / competitions organised at the institution level during the year					
	<b>Activity</b>	<b>Level</b>		<b>Participants</b>	
	<b>SPORTS:</b> 1) a) Chess b) Volleyball c) Kabaddi d) Athletics e) Kho-kho f) Cricket g) Table- Tennis h) Badminton i) Basket-ball j) Soft-ball k) Base- ball l) Table-Tennis(women) m) Badminton(women) n) Foot- ball o) Boxing p) Wrestling .	Sant Gadge Baba Amravati University Inter collegiate tournament at various Institutions.  Institute		Total 140 Girls & Boys students participated in various sports activities.  Total 250 Girls & Boys students participated in various sports activities Competitions in the Institute under Social Gathering	

<p>2) Chess b)Vollyball c)Kabaddi d)Atheletics e)Kho-kho f)Cricket g)Table-Tennis h)Badminton i)Basket-ball j)Soft-ball k) Base-ball l)Table-Tennis(women) m)Badminton(women) n) Foot-ball o)Boxing p)Wrestling sports activities.</p> <p><b>CULTURAL:</b> 1) Students Participated in Drama, Orchestra, Fashion show, Dance, Photography, etc. Cultural activities in activities in the <b>Youth Festival</b> during 30/09/2019 to 03 /10/2019.</p> <p>2) Students Participated in Drama, Orchestra, Fashion show, Dance, Mimicry etc. Cultural activities in activities in the social gathering events of the Institute</p>	<p>Sant Gadge Baba Amravati University intercollegiate completion under <b>YOUTH FESTIVAL</b></p> <p>Institute</p>	<p>Total 40 students participated in <b>Youth Festival</b></p> <p>Total 360 Girls &amp; Boys students participated in various sports activities Competitions in the Institute under Social Gathering events.</p>				
<p>1.Industrial Safety COET, Akola 13 Sept 2019</p>		<p>Third And Final Year students of CSE</p>				
<p>2. Stress Management and Concentration Techniques COET(Akola)</p>		<p>Third And Final Year students of CSE</p>				
<p>4.Invitation of Dr. Vijay Bhatkar Gaurav Mahotsav Inauguration ceremony on October 10, 2019</p>	<p>Project Competition</p>	<p>1. Nikhil Warge- consolation Prize</p>				
<p>5. Technotholon2k19 on 11-10-2019</p>	<p>National level student technical event</p>	<p>1.Arshed Ahmed 2.Neha Dhomane 3.Pranali Pachpor</p>				
<p>6.Techno-Blitz-2K20 on 07-03-2020</p>	<p>National level student technical event</p>	<p>All second, Third and Final Year students CSE</p>				
<p><b>5.3 Student Participation and Activities</b></p>						
<p>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)2019-20</p>						
<p>Year</p>	<p>Name of the award/ medal</p>	<p>National/ International</p>	<p>Sports</p>	<p>Cultural</p>	<p>Student ID number</p>	<p>Name of the student</p>

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2019-20	Participate And Secured 1st Position/ Winner	National	Boxing		Certificate no. 0000694	Mohd. Rahil. Mohd. Siddique 2nd year civil
2019-20	Participate And Secured 2 <sup>nd</sup> Rank	National	Boxing		Certificate no. 0000709	Hritik r dhore 2nd year civil
2019-20	Participate and secured 1st position/ winner	National	Boxing		Certificate no. 0000711	Diya k bache 2nd year civil
2019-20	Participate and secured 1st position/ winner		Power lifting		818092233	Pranav p. Rumale 3rd year chemical
2019-20	Participate and secured 2 <sup>nd</sup> Rank	State level	Athletic 400 meter relay race		Certificate no. 003127	Sanap Nilesh jayant 3rd year civil
2019-20	Participate and secured 2 <sup>nd</sup> Rank	State level	Best physique			Ankush dinkar Pradhan
2019-20	Krushnarav Deshmukh Vigyan Mahavidyalaya Badnera –Amravati 1 <sup>st</sup> Rank	State level Inter College Debate Competition 2019		In Debate		Samiksha Hate
2019-20	Amravati University intercollege youth festival(Events Participated: Debate,Indian group song,Westren group song Colour holder	University level organized by VMV college Amravati		In Debate & Solo light and clay modelling		1. Ku Sakina Ali-colour coat Holder 2. Ku Sakina Ali-Participation 3. Shreya Kale-Participation
2019-20	17 th Maharashtra State Inter-university Cultural Youth	University level organized by Gondwana		In Debate and Elocution		1. Ku Sakina Ali

	Festival2019, (Events participated Debate, Elocution) 3 <sup>rd</sup> Rank	University, Gadchiroli.				
2019- 20	35th Inter University central zone youth festival 2019	Under National Level in Association with Indian Universities, Held at: Gwalior University		1. In Debate  2. In Elocution		1. Ku Sakina Ali Winner- Ist prize Winner –IIIrd prize  2. Shripad Nagalkar- Participation
2019- 20	35 th AIU National Youth Festival, Amity UTSAV 2020, Colour holder	Association of Indian Universities, Held at: Amity University (Noida)		Debate		Ku Sakina Ali- Participation
2019- 20	INNOVISION JSPM college of engineering , Pune  2nd Rank	Under National Level		Product Design competiti on		1. Nikhil Warge-
2019- 20	TECHELON Project Competition P.R.Pote Group of Education Institute, Amravati  1 <sup>st</sup> &2nd Rank	Under National Level		Product Design competiti on		1. Arti Pradip Khadse- 1st Rank 2. Nihil Warge-2nd Rank
2019- 20	ESPERANZA Project  Competition Prof. Ram Meghe Institute of Technology & Research, Amravati 2nd Rank	Under National Level		Product Design competiti on		1. Nikhil Warge-2nd Rank Arti Pradip Khadse- Participation
2019- 20	Technoblitz COET Akola  4th Rank	National Level		Product Design competiti on		Arti Pradip Khadse-4th Rank
2019-	PRAGYA 2020	Under National				

20	Shri Guru Gobind Singh Singhji institute of engineering and technology, Nanded.	Level		Product Design competition		Arti Pradip Khadse-Participation
2019-20	IGNITE Mauli group of institutions college of engineering & technology, shegaon 1st Rank	Under National Level		Paper Presentation		Arti Pradip Khadse-1st Rank
2019-20	AVISHKAR Sant Gadge baba Amravati University, Amravati. 1st Rank	University Level		Product Design competition		1. Arti Pradip Khadse-1st Rank
2019-20	E-Techfest Pankaj Laddha Institute Of Technology and Management studies 2nd Rank	Under National Level		Product Design competition		1. Nikhil Warge- 2nd Rank

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

- **The students committees are formed in the academic session for the overall development & participation in every activity are as follows:**

1) College Magazine Committee. 2) Technical Section Committee. 3) English Section Committee. 4) Marathi Section Committee. 5) Hindi section Committee. 5) Sanskrit section Committee. 7) Urdu section Committee. 8) Departmental section Committee. 9) Start up India Committee. 10) Art & Photography Committee. 11) Start up India Committee. 12) Wall magazine Committee. 13) Social Gathering Committee. 14) Drama Committee. 15) Fashion Show Committee. 16) Dance Committee. 17) Orchestra Committee. 18) Prize Distribution Committee. 19) SC/ST Atrocities Committee. 20) National Social Services Committee. 21) Unnat Bharat Abhiyan Committee. 22) Green Campus committee 23) National association of students of Architecture Committee. 24) Library books Advisory committee. 24) Girls grievances committee. 25) Anti ragging committee. 26) Student Academic Association of each department.

- **Student Academic Association of each department such as Mechanical Engineering Student Academic Association (MESAA); Chemical Engineering Students Sports, Cultural & Academic Association (CESSCAA); Architecture Students Academic Association (ASAA); Civil Engineering Students Academic (CESA) has been motivated & participated in the following events :**

a) To promote the interaction between academia and industry by organizing **industrial visits**,

<p><b>Expert Lectures, Model Exhibition, Poster Competition and Paper presentation and facilitate for industrial training.</b></p> <p>b) To encourage students of the Department to develop their <b>personal skills, like event management &amp; time management by organizing inter Collegiate Events.</b></p> <p>c) To bring about the technical development of students by organizing <b>seminars, workshops, paper presentation competition and other activities.</b></p> <p>d) <b>Student Chapters of Professional Society.</b></p> <p>e) Cultural &amp; Extra-co-curricular activity in social gathering, Participation in youth festival, <b>inter-university &amp; National level competitions</b></p> <p>f) National Service Scheme(NSS) activity.</p> <p>b) Participation in the Academic, Cultural, debate &amp; Extracurricular activities in the competitions held under National Association of Students association (NASA).</p>
<p>5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):</p> <ul style="list-style-type: none"> <li>▪ Yes. Alumni association was registered in the year 2008 &amp; the registration number is Maharashtra/172/2008.</li> <li>▪ The IQAC committee has motivated Alumni Association to provide financial awards to meritorious &amp; economical weaker students as well as expert talks for various opportunities to students.</li> </ul>
<p>--</p>
<p>5.3.2 No. of <del>registered</del> enrolled Alumni:</p> <p>The number of enrolled Alumni membership till 2019-20 is 1325 and Life time membership is 85.</p>
<p>5.3.3 Alumni contribution during the year (in Rupees) :</p> <ul style="list-style-type: none"> <li>▪ <b>Mr.Govindbhai &amp; Mrs.KokilabenShroff</b> Award for excellence in academic, Social, Sports, Cultural activities at Institute level with Medal, Certificate,&amp; cash prize of Rs.30,000/-</li> <li>▪ <b>Mrs.Lopa Nagada</b> Award for University Topper in Second year Architecture with Medal, Certificate,&amp; cash prize of Rs.5,000/-.</li> <li>▪ <b>Mrs.Illa Mujumdar</b> award for Girl Topper in First year with Medal, Certificate,&amp; cash prize of Rs.6,000/-</li> <li>▪ <b>Mr. Ravi Nathani</b> award for excellence in second year Mechanical Engineering with Medal, Certificate,&amp; cash prize of Rs.5,000/-</li> <li>▪ <b>Late Adv. Madhusudhan Nand</b> award for excellence in Final year Mechanical Engineering with Medal, Certificate,&amp; cash prize of Rs.5,000/-.</li> </ul>
<p>5.3.4 Meetings/activities organized by Alumni Association :</p> <p>Institute level annually one <b>Alumni meet</b> is organised in the institution. Every department of the Institution organised Alumni meet in the respective department with <b>expert talk on the current trends&amp;</b> demand of the society.</p>

## 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) Our institute has encouraged industry-institute interaction for latest knowhow and current problems in industry. MOUs are regularly signed and industrial training facility cater this need . These MOUs are brought by individual departments as per the field of their specializations and management of industry participate in overcoming the problems. The management supports such initiatives for mutual benefit. The benefits accrued from this activity are projects, internships, R & D, consultancy, value added courses, aptitude coaching and so on. In last few years every dept. signed MOU's with industries, which are still in continuation. The MOU enables mutual sharing of resources for students and faculty. In last few years CSE dept. signed MOU with Microspectra software technologies Pvt. Ltd., Microsoft, Tata Consultancy Services, which are in continuation. The MOU enables mutual sharing of resources for students and faculty. The management is facilitating these activities by supporting in terms of subletting of infrastructure & also financially if required. The purchases related to lab equipment is handled by Heads directly in consultation with head of institute and local management committee members.

2) Another decentralized activity is Project Based Learning. Our management encourages and supports PBL. Our departmental heads are given freedom for carrying out this activity. Department had organized international workshops and competition wherein a group of interdisciplinary branches participate. International Technical working model competition was organized in collaboration with Gadgebaba Mandal, Daryapur on Birthday of Dr. Vijay Bhatkar wherein a group of interdisciplinary branches participate. As per the tradition of the CSE department, a grand National Level Student Technical Event “TechnoBlitz-2k20” was organized. One of the events in TechnoBlitz-2k20 is Model and Project Expo. In this event every innovative projects were developed by students. This was a very prestigious competition & learning platform for students.

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

Yes/No/Partial:

Yes, we have

1)ERP 2)Intranet 3)Group Messaging Service 4)College Website

It works for Quality policy and plans, makes financial provision for infrastructure, creates environment for students and helps in upgrading qualification of staff and knowledge for betterment of students.

### 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):

#### **Our Vision:**

In full obeisance to the vision and foresight of Dr. Panjabrao alias Bhausaheb Deshmukh this college will strive tirelessly to educate and qualify the students who are future engineers and technocrats to take up challenges of modern era so that they are nationally and globally accepted in the application of their skills and knowledge to the benefit and development of society.

#### **Our Mission:**

Technical education for the individual, social and national development with global acceptance, by providing the relevant infrastructure with due consideration for our culture and the environment.

The distinct characteristics of the mission statement are

- To impart technical education for the National development through individual and development of masses.
- To technical education which will be globally accepted.
- For achieving this, our traditions and cultured is maintained.



- To provide support for acquiring latest tools and techniques of the subject with necessary infrastructural development.
- 

#### ❖ Curriculum Development

The institute is affiliated to the Sant Gadge Baba Amravati University, Amravati & therefore follows the curriculum & syllabus designed by the University. However, the University representatives of our institute & other faculty members give inputs in the syllabus revision process. The revision takes place every 3 years. In addition to the syllabus, we believe in holistic development of the students. We have formed IQAC for the purpose & also take suggestions from industry experts. A regular assessment of the curriculum is done through the feedback from the students, alumni, employers and experts from the industry. The suggestions received from them are reviewed. Relevant suggestions are considered for inclusion in the curriculum.

Our BOS members contributed in syllabus revision of first year B.E subject like Chemistry, Mathematics-I, Mathematics-II as per new AICTE norms.

- NPTEL series of lectures, NASA- Academic Study Tour, Site Visits
- Industrial tours & site visits
- Improvement Tests, Remedial classes conducted for below average students
- MOU,s for interaction with outer world

#### ❖ Teaching and Learning

To make learning more effective we have choice-based credit and grading system of examinations. We have devised new teaching pedagogies for different category of students. We ensure a perfect blend of classroom teaching & ICT enabled teaching so that the students are motivated all the times. We ensure state of the art lab facilities, Computational facilities, Library & also competent faculty.

Teaching schedule in institute is governed as per a “Academic calendar” of college and First year department which follows and satisfies the academic calendar guidelines of University.

- Institute provide modern teaching tools to the faculty to facilitate for effective teaching (online mode)
- Extra classes for slow learners.
- NPTEL series for better understanding.
- Teaching- learning linked with industrial training visit.
- To arrange industrial tours and site visits for effective learning process.
- Online journals for faculty and students.
- To facilitate students with training/workshops etc.

#### ❖ Examination and Evaluation

We follow University examination scheme of 80:20 wherein 80 % weightage is given to end semester exam & 20 % weightage is given to internal test. This scheme of continuous assessment ensures proper learning & outcomes. The University scheme provides us with various heads of evaluation such as assignments, presentations, term work, practical etc. These heads of exams and evaluation enables formative assessment. We also calculate course outcomes with direct & indirect assessment methods to ensure effective learning.

- Centre For SGBAU examination and paper valuation.
- Digital valuation from 2016-17
- Bar code answer books.
- Unit test Conducted as per university paper Pattern and according to University scheme.
- Faculties are involved in paper setting and Digital evaluation of SGBAU, Amravati.
- Online test and assignments are carried out using Google classroom.

Continuous evaluation has been done by the department in the form of Unit Test, Assignment & Projects, Extra



### ❖ Research and Development

The Institute has Research Centre in:

1. Chemical Engineering
2. Civil Engineering
3. Computer Sci. & Engineering
4. Production Engineering
5. Polymer Technology
6. Chemistry
7. Textile Engineering.

Eleven candidates are pursuing Ph.D. in Computer Science & Engineering. Our faculty invariably gets minor research grant from the University of Mumbai every year.

Two faculties of CSE department have been approved as supervisors.

CSE faculties had participation in various National/International workshops, conferences and research publications in reputed journals.

- Faculties are allowed for special leave to attend the seminars conference
- Faculty members are motivated for pursuing PhD
- College provide financial support for research workshop.
- Faculties are motivated for writing the proposals for research grant.
- MOUs with Industries and academic Institutions.
- MOU with Microsoft and PDKV, Akola

MOUs with Industries, Architects and Academic Institutions

Sr.no.	MOU Instated with
1	Dr.Panjabrao Deshmukh Krushi Vidyapeeth , Akola(Agriculture University)
2	Rahtriya Chemicals & Fertilizers , Thal , Alibaug
3	Tata Consultancy Services (TCS), Mumbai
4	Microspectra Software Technologies PVT. LTD.
5	Mahatma Gandhi Rural Industrialization Institute , (MGIRI), Wardha
6	Microsoft Technology Association
7	Maharashtra Pollution Control Board (MPCB), Mumbai
8	KSD Borewells & Construction , Akola
9	Chintamani Industries (PHARMA) , MIDC , Akola
10	Prerna Industries , Murtizapur

Year	Conferences/ Journals	STTP	Workshops	PhD Awarded
2019-20	29	46	58	07
2018-19	57	66	8	5
2017-18	85	51	1	-
2016-17	32	22	16	4

❖ **Library, ICT and Physical Infrastructure / Instrumentation-**

**Library :-** The college of Engineering & Technology central library has one of the best collections of information sources in engineering, technology & related disciplines. The library has a large collection of text and reference books and multimedia, which is continuously updated with the latest edition to cater the need of students. Our library subscribes the national / international journals, periodicals and online journals. All transaction of our library is access through bar coding facility with the help of fully computerized system. Our library has developed a digital library section. This section provides e-journals & e-books facility to the users. Our library became a subscriber of DELNET, EBSCOHOST e-book engineering core collection & NDL for e-books & e-journals facilities. The library has 38,495 Nos. of volumes having total cost of approximately 1.80 corer rupees. The total number of subscribed journals available is 44. Our library has a separate audio-video section which consists of 1533 CDS and 74 video cassettes on various topics. Our library has got adequate space with reading room facilities spread over two floors with seating capacity of about 200 students. The central library of the college is a repository of a vast number of learning resources including textbooks, reference books, national and international journals, digital resources, online journals, etc.

We have a separate library for Architecture students in Architecture department which satisfies the need as per Council of Architecture(COA) norms.

**Physical Infrastructure :-** Our physical infrastructure satisfies all norms of AICTE

- Student records/ attendance/ internal marks/ fee payments are fully computerized.
- Wi-Fi enabled campus.
- Maintenance of computational systems by internal systems administration team.
- Up-gradation of Journals, Text books, & Reference Books in the Departmental Library
- Digital Classroom for Audio Video Presentation
- Linkages of Software's through Autodesk
- Digital Classroom

**LIBRARY STATEMENT**

**YEAR 2019-2020**

**From Accession Number 34647 To 34951 (from April 2019 to March 2020)**

COURSES	NO. OF TITLE OF THE BOOKS	NO. OF VOLUMES	COST
Mechanical Engineering	04	08	5,669=00

Chemical Engineering	05	38	15,875=00
Civil Engineering	04	04	1,315=00
Computer Science & Engineering	15	15	13,340=00
Science & Humanities	174	203	35,619=00
B. Arch	37	37	1,06,982=00
Total	239	305	1,78,800=00

**From Accession No.01 To 34951+3544 = 38495**

**Details of Books and Bound Vol. Course wise**

COURSES	NO.OF TITLE OF THE BOOKS	NO. OF VOLUMES	COST IN (RS.)
Mechanical Engineering	2296	7736	25,66,940=00
Chemical Engineering	1596	6689	25,99,360=00
Civil Engineering	1877	6109	22,88,772=00
Computer Science &Engineering	1084	6799	25,46,927=20
B. Architecture	2042	3253	37,83,854=95
Science & Humanities	3120	7909	23,46,818=90
*Bound Volumes			19,08,246=00
Total	12015	38495	1,80,40,919=00

\*The cost of the bound volumes not included in course Total. The titles & volumes are included

**Mechanical Engineering Departmental Library**

- Total no of title of books = 35
- Total no of volumes = 199
- Total cost - 97238=00

**Physical Infrastructure :**

Facilities	Existing	Newly added
Campus area	19510.66 Sqm	-
Class rooms	25 + 5 (TR)	
Laboratories	42 + 5(Studio) + 3 (DH) + (WS)	-
Seminar Halls	03	-
Classrooms with LCD facilities	14	-
Classrooms with Wi-Fi/ LAN	08	-
Seminar halls with ICT facilities	03	-

Video Centre	00	-
Language Lab	01	
Online Examination Center		01

❖ **Human Resource Management**

Teaching faculty requirement is decided as per AICTE student faculty ratio. The cadre ratio is also as per AICTE norms. The nonteaching staff requirement is at the discretion of the management to meet the needs of departments.

- Deputation of staff for FDP workshop ,training, Conference , Symposia.
- Faculty Encourage For higher studies
- Portfolio distribution to faculties with department & confidential reports/ self assessment report / feedback report for performance valuation of faculties
- The management contributes an amount equal to the employee share for EPF
- Medical leave provision is given to the faculty and staff members based on the request.
- The faculty and staff members are entitled to avail summer and winter vacations, casual leave and duty leave as per rule
- Collaboration of Expert Lectures through forum activities

**Enhancement of professional skills of faculty:**

- Encouraging faculty for higher studies i.e. Ph. D.
- MOU with educational institute, industries, construction companies, Govt. of Maharashtra, for professional development.
- Encourage faculty to have membership of professional societies like ISTE, IIE, IPA etc.
- Concessions are given to faculty for pursuing higher studies by way of special leave/ less teaching load.
- In-house faculty development programs are conducted to enhance professional, teaching and communication skills.
- Providing access to faculty for Internet, e-learning resources, library facilities, National and International journals, lectures of experts from reputed institutes etc.
- Internal workshops are conducted to motivate supporting staff.

❖ **Industry Interaction / Collaboration**

The institute has constituted IQAC Cell & it has Industry representatives for suggestions with regards to curriculum development & other academic activities. Our training & placement cell continuously strives for networking with industries for placements & internships. The Institute has signed MOU with many reputed companies These MOU'S are signed for mutual benefits, mainly for value added courses.

- MOUs with Industries and academic Institutions.
- MOU with Microsoft and PDKV, Akola
- MOUs with Industries, Architects and Academic Institutions.
- Sponsored project under industry institute interaction cell.
- Local industrial visit

- Testing & Consultancy Services.
- Expert Talk & Joint Projects
- A unique and rare opportunity provided to students to learn the theoretical concepts practically by Initiating MOU with major companies, where the component of learning focuses on the application of theory in an authentic industrial context.
- Six Months Training Program with collaboration of Private Architectural Firms
- Collaboration with Indian Institute of Architects Akola Centre Akola top held Training Programs, Expert Talk & Competitions.
- Joint projects and Case Study carried out by Architecture Department

Sr.no.	MOU Instated with
1	Dr.Panjabrao Deshmukh Krushi Vidyapeeth , Akola(Agriculture University)
2	Rahtriya Chemicals & Fertilizers , Thal , Alibaug
3	Tata Consultancy Services (TCS), Mumbai
4	Microspectra Software Technologies PVT. LTD.
5	Mahatma Gandhi Rural Industrialization Institute , (MGIRI), Wardha
6	Microsoft Technology Association
7	Maharashtra Pollution Control Board (MPCB), Mumbai
8	KSD Borewells & Construction , Akola
9	Chintamani Industries (PHARMA) , MIDC , Akola
10	Prerna Industries , Murtizapur

#### ❖ Admission of Students

Admissions in institute are carried out as per procedure laid down by Government of Maharashtra through Centralized Admission Process.

- Admissions of students is through Government of Maharashtra Centralized Admission Process in all branches of engineering.
- Admissions of students are through Government of Maharashtra Centralized Admission Process with NATA Eligible Score for admission in Architecture
- CAP (CENTRALIZED ADMISSION PROCESS) is carried out through FC's (Facility Centers) formed by Government of Maharashtra
- AGAINST CAP VACANCY ADMISSION are carried out by institute on MERIT basis as per procedure laid down by Government of Maharashtra .

Sr. No.	Name of Programme	No. of seat available	No. of applications received	No of student admitted
1	Architecture	40	21	17

2	Civil Engg.	60	32	29
3	Computer Science & Engg.	120	72	68
4	Chemical Engg.	60	40	34
5	Mechanical Engg.	60	31	26
6	Chemical Engg. (M. Tech)	18	06	04
7	Structural Engg. (M. E.)	18	11	09

Sr. No.	Type of programme	No. of student admitted	Approved Admissions
1	1 <sup>st</sup> Year B. E.	157	157
2	1 <sup>st</sup> Year B. Arch	17	17
3	Direct Second Year	48	48
4	1 <sup>st</sup> Year M. E. / M. Tech	13	13

Direct Second Year Admission :- 48

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

##### ❖ Planning and Development

Planning & Development is done at 'Sanstha' level. The institute is planning to go for autonomy through NBA and Permanent Affiliation processes. To achieve these benchmarks, the management is giving all possible inputs to improve teaching learning process, improve placements etc. The institute has also planned for NIRF rankings in the near future.

##### ❖ Administration

The institute has a sound administration which percolates from our 'Sanstha' at Amravati. The delegation of work / orders is from President at Amravati to Principals & subsequently to Heads of units. Administrative department uses facilities like ERP. Attendance of all employee's is taken Biometrically and report is processed monthly and regularly for further action.

##### ❖ Finance and Accounts

The payment of salary to the faculty and staff is done through electronic clearance & deposited in the bank. The payment of student fees is also received through NEFT/RTGS mandates. Payment to affiliating bodies & other stake holders is also done online.

The institute has a chief finance & accounts officer who keeps track of expenses. The department is responsible for receiving student fees & disbursements of funds as & when required.

The annual record of audit & balance sheet is properly maintained. Finance & Account Section

uses facilities like ERP for efficient and easy working.

❖ **Student Admission and Support**

The institute strictly does admissions as per DTE, Govt of Maharashtra mandate and participates in CAP process as mentioned earlier. Online portal is developed by government for admission through CAP i.e, Centralized Admission Process. As the students come from diverse backgrounds they are eligible for scholarships & free ships as per govt rules. The institute supports the students throughout the course duration through grooming them with aptitude / soft skills, supporting them financially for projects, paper publications, supporting them for sports & other cultural activities. The students of BE are also given GATE coaching by our own faculty at subsidized fees College is allotted a Facilitation Centre Appointed by DTE , MUMBAI , to confirm & Verify their Application forms for CAP process for U.G. & P.G. Courses. Online portal of CAP is used for all the processing of admissions.

❖ **Examination**

The examination scheme comes under the University purview. Currently the University offers choice-based credit-based grading system of examination, wherein the students have choice of department level & institute level electives during third & final year. Univesity Internal assessment are uploaded through university Portal , University Theory Papers are also published through registered ID and are downloaded and provided to students during University Examination .Digital Valuation Centre is assigned to our college for Akola District for Online Valuation of Unversity Papers.

**6.3 Faculty Empowerment Strategies**

The strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility are as follows:

- Faculties are encouraged to participate in the workshop /conferences.
- Organizing STTP/Faculty development programs.
- Delegating authority for conducting the programs.
- Identifying the area of interest, the work/portfolio is assigned.

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
--	--	--	--	--

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	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2019	Research Methodology and Data Analysis		30 Dec 2019 to 9 January 2020	45	

2020	E-Learning Tools, Methodologies and Content Management		8 to 13 June 2020	118	
------	--	--	-------------------	-----	--

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	Date and Duration (from – to)
Research Methodology and Data Analysis	16	30 Dec 2019 to 9 January 2020
E-Learning Tools, Methodologies and Content Management	04	8 to 13 June 2020
Scilab	03	4-9th May 2020
Research, Funding Projects & IPR	03	7 <sup>th</sup> -10 <sup>th</sup> May 2020
Emerging Trends in “Industry 4.0”	06	18-29 <sup>th</sup> May 2020
Overcoming the Challenges in Adapting Online Technology in Teaching Learning	02	6-11 <sup>th</sup> May 2020
Swift (ios) Programming Language	02	3 <sup>rd</sup> -6 <sup>th</sup> May 2020
Python 3.4.3	02	20 <sup>th</sup> -25 <sup>th</sup> April 2020
Data processing and Data visualization using Python	02	26 -30 May 2020
Latex Training Programme	01	28-04-2020 to 4-05-2020
R for Beginners	01	21- 26 May 2020
PHP and MySQL	01	24-30 April 2020
Council of architecture-Training program	01	2019-20
“Free water testing camp” in rural areas viz. Dongargaon , Babhulgaon (Jh)	04	26 <sup>th</sup> Jan 20
One day workshop on IPR	20	13 <sup>th</sup> Jan 2020

2 STTP attended all staff of Chemical dept. at National Level & 1 STTP attended by all staff at local level. Dr. D. C. Kothari attended 7 more STTP's.

#### Teachers receiving the award And fellowship

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
2019-20	Prof. G.R. Bharsakle	Ass. Prof.	SantGadge Baba SamajkaryaPuraskar by SGBAU, Amravati University
2019-20	Prof. G.R. Bharsakle	Ass. Prof.	Ambulance Services Award by Maharashtra State Government.
	Dr. S.L.Satarkar	Asso. Prof	5th Prize as Master Innovator in Amravati startup business plan



4-5 Sep 2019	Dr.S.S.Agrawal P.V.Joshi	Asst. Prof. Asst. Prof.	competition 2019 Title : IoT based ICU on wheels
11 Oct 2019	Dr. S.L.Satarkar Dr.S.S.Agrawal P.V.Joshi	Asso. Prof Asst. Prof. Asst. Prof.	3rd prize in category D at International Technical model making competition
14 and 15 Jan 2020	Dr. S.L.Satarkar P.V.Joshi	Asso. Prof Asst. Prof.	1st prize in category CML(TH level) at Avishkar-2019 SGBAU, Amravati
14 and 15 Jan 2020	Dr. S.L.Satarkar Dr.S.S.Agrawal	Asso. Prof Asst. Prof	Won 2nd prize in category CML(TH level) at Avishkar-2019 SGBAU, Amravati
14 and 15 Jan 2020	Dr.S.A.Awachar	Asst. Prof	Won 2nd prize in category ET(TH level) at Avishkar-2019,SGBAU, Amravati, Project entitled “Leg Controlled Artificial Arm”

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
-	07 (Adhoc)	-	-

New adhoc staff recruited during 19-20

S.No.	Name of the employee	Designation	Department	Date of Joining
1	Dr. Shrikant S. Dandge	Asso.Prof.	Mech.Engg.	01-08-2019
2	Shri Mandar Krishnarao	Asstt.Prof.	Comp.Engg.	03-09-2019

	Deshmukh				
3	Miss. Komal Dipakrao Raut	Asstt.Prof.	Comp.Engg.	03-09-2019	
4	Miss. Nutan Sudhakar Raut	Asstt.Prof.	Comp.Engg.	04-09-2019	
5	Miss. Rutuja Jay Deshmukh	Asstt.Prof.	Comp.Engg.	03-01-2020	
6	Shri Pratik D. Bharambe	Asstt.Prof.	Architecture	09-09-2019	
7	Shri Gulfam Sheikh	Asstt.Prof.	Architecture	20-12-2019	

#### 6.3.5 Welfare schemes for

Teaching	Waiver Scheme for Lab fee for Faculty Pursuing Ph.D , Group Insurance , leaves & EPF
Non teaching	Group Insurance , Gratuity post Retirement, leaves & EPF
Students	Book Bank Schemes for Students , Govt. Scholarships for Category Students, Alumni Awards for merit Students ,Travel concession, Projects finance

#### **6.4 Financial Management and Resource Mobilization**

6.4.1 Institution conducts internal and external financial audits regularly

##### **6.4.1 Institution conducts internal and external financial audits regularly.**

The institution is having qualified practicing Chartered Accountant as internal and external Auditor. This auditor audit the accounts annually. The auditors are appointed by the board of trustees in the trust board meeting i.e. College development committee (CDC) meeting. After the audit, the report is sent to the management for review. Actions are taken on suggestions and rectification is carried out.

## Schedule VIII

[ Rule 17(1) ]

**SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI**

Regd. No. F/89/AMT

Name of the Institute:- College Of Engineering &amp; Technology,( Babhulgaon) Akola


Balance Sheet As on 31st March, 2020

FUND & LIABILITIES	Sch	AMOUNT	AMOUNT	ASSETS & PROPERTIES	Sch	AMOUNT	AMOUNT
<b>Trust Fund</b>				<b>Immovable Properties</b>	4		74770233.67
Balance as per last B/s				<b>Movable Properties</b>	4		81154702.50
Add/less-Adjustment				<b>Other Assets</b>	5		4420720.30
<b>Other Fund</b>	1		74761699.95	<b>Fees Receivable</b>	5		49640152.00
Depreciation fund		74761699.95		<b>Loan &amp; Advances</b>			2393513.00
<b>Other Liabilities</b>	2		11105640.05	Employee & others	6	1457058.00	
Staff liabilities		4909047.40		Internal Institute	3	936455.00	
Other Liabilities		6196592.65		<b>Closing Balance</b>	7		8562252.19
<b>Loan &amp; Advances</b>	3		203423423.57	<b>Accumulated Income &amp; Expenditure</b>			68349189.90
Shri Shivaji Edu Society,A		122391837.00		Deficit as per last B/S		44167639.47	
Internal Institute		81031586.57		Add:Deficit for the year		24181550.44	
<b>TOTAL</b>			<b>289290763.57</b>	<b>TOTAL</b>			<b>289290763.56</b>

0.00

For College Of Engineering &amp; Technology, (Babhulgaon) Akola

For N R Pundkar & Associates  
Chartered Accountants

  
Principal  
Principal,  
College of Engg.  
& Tech., Akola

Date: 14.09.2020 Akl Nilesh R Pundkar...Prop  
MNo. 125408




**Income & Expenditure Account for the year ending on 31st March, 2020**

EXPENDITURE	Sch	AMOUNT	AMOUNT	INCOME	Sch	AMOUNT	AMOUNT
Salary of the Staff	10		99148063.00	<b>Educational Fees</b>	8		90621794.00
Educational Fees	8		3940336.00	College Fees		99533890.00	
Contingencies	11		7834730.56	University Fees		2321111.00	
Administration expenses		1297818.56		Fine/Fees		276676.00	
Annual Social expenses		201188.00		Fess Recievable 19-20		26673038.00	
Consumables, lab& worksh		279600.00				128804715.00	
Operating & Other expense		6056124.00		Less: Fees received pertaining to 18-19 and earlier		38182921.00	
Taxes expenses		0.00		<b>Other Income</b>	9		1327120.00
Depreciation	13		5207334.88	<b>Deficit for the year</b>			<b>24181550.44</b>
<b>TOTAL</b>			<b>116130464.44</b>	<b>TOTAL</b>			<b>116130464.44</b>

0.00

For College Of Engineering & Technology, (Babhulgaon) Akola


  
Principal  
**Principal,  
College of Engg.  
& Tech., Akola**



Date: 14.09.2020 Akl



For N R Pundkar & Associates  
Chartered Accountants

  
Nilesh R Pundkar...Prop  
MNo. 125408

RECEIPTS	Sch	AMOUNT	AMOUNT	PAYMENTS	Sch	AMOUNT	AMOUNT
<b>Educational Fees/Fines</b>			90621794.00	<b>Educational Fees</b>	8		3940336.00
College Fees	8	99533890.00		<b>Salary of the Staff</b>	10		99148063.00
University Fees		2321111.00		<b>Contingencies</b>	11		7834730.56
Fine		276676.00		Administration expenses		1297818.56	
<b>Other Income</b>	9		1327120.00	Annual Social expenses		201188.00	
				Consumables lab& worksho		279600.00	
				Operating & Other expenses		6056124.00	
				Taxes expenses		0.00	
<b>Other Liabilities</b>	2		25713906.00	<b>Other Liabilities</b>	2		17297845.00
Staff liabilities		21376043.00		Staff liabilities		16500624.00	
Other Liabilities		4337863.00		Other Liabilities		797221.00	
			0.00	<b>Immovable Propertie</b>	4		1155919.00
				<b>Movable Properties</b>	4		3554563.00
<b>Other Assets</b>	5		70116000.00	<b>Other Assets</b>	5		70178780.00
Fees Receivable	5		38182921.00	Fees Receivable	5		26673038.00
Loan & Advances	6		1111725.00	Loan & Advances	6		1301227.00
Internal Instiute	3		9907225.00	Internal Instiute	3		1145520.00
Opening Balance	7		3811582.75	Closing Balance	7		8562252.19
<b>TOTAL</b>			<b>240792273.75</b>	<b>TOTAL</b>			<b>240792273.75</b>

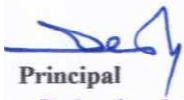
0.00

**CERTIFICATE**

Certified that the figures shown in the above "Receipts & Payments Account" agree with the Books of accounts maintenance which have been audited by us and are found to be correct.

For College Of Engineering & Technology, (Babhulgaon) Akola

For N R Pundkar & Associates  
Chartered Accountants

  
Principal  
**Principal,**  
**College of Engg.**  
**& Tech., Akola**

Date: 14.09.2020 Akd

  
Nilesh R Pundkar...Prop  
MNo. 125408





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/ Grants received in Rs.	Purpose
MODROB - A.I.C.T.E 2020 (Civil Engg. Deptt.)	932000.00	For Lab development
SPDP - A.I.C.T.E 2020	745500.00	Research & development
6.4.2 Total corpus fund generated Total corpus fund generated :- : Rs. 2642767/-		
Resource Mobilization for Research -Major projects		
MODROB Scheme	Civil engineering	Grants received– 18 Lakh by AICTE
AQIS SPDP Scheme grant by AICTE. This Grant is received to Dr.P.V.Thorat	Chemical Engineering-	Rs.1489000/-
E- Conference grant by AICTE -This Grant is received to Dr.P.V.Thorat	Chemical Engineering-	Rs.1,67,000/-
DST-FIST Scheme	Chemical Engineering-	Applied and is under consideration Proposal is of Rs.1crore 50 lacs.
Unnat Bharat	Dr.Zamre, Unnat Bharat coordinator.	Grants Received by Institute Rs.175000/-
Proposals other than major / minor projects for research funds	M/S Hi-Tech Pharma Ind. Pvt. Ltd Akola M/S Avika Industries Ltd. Akot M/S Chintamani Ind. Ltd. MIDC, Akola	
<b>Revenue Generation –</b>		
1- Revenue generated through Consultancy- 2019-20 Under Dr.Panjabrao Deshmukh R & D Cell	Rs.26,41,602/-	

## 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	Pannel Appointed by Managing Society	YES	Academic Dean & LMC
Administrative	YES	Governing Body	YES	Administrative Dean & LMC

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

- Teacher Guardian scheme is implemented for all the students of each dept.
- Batch Guardian tries to understand students academic and personal problems and guide them
- Appreciate students and staff for their efforts in annual social gathering for remarkable achievements.
- Parents Meet is conducted Every Year to have Clear Interaction with Teachers & Parents of students.
- Parents – Teachers meeting is regularly conducted for the betterment of the students in their studies.
- The queries posted by the parents are noted and would be solved in the forthcoming semesters. This meeting would facilitate the parents to convey their ideas for their wards better
- Class teachers regularly communicate with parents through phone calls, messages and letters

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

- Computer, Lab Training
- Up gradation of Computer Knowledge through Computer Lab
- Training given to supporting Staff by Parent Society( SSES, Amravati).

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

#### 6.5.5

- Submission of Data for AISHE portal : (Yes /No)
- Participation in NIRF : (Yes /No)
- ISO Certification : (Yes /No)
- NBA or any other quality audit : (Yes /No)

### 6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
19-20	Role of Ethics, Human Values & Behavioural Science in Effective Working of Faculty	22 <sup>nd</sup> to 26 <sup>th</sup> April 2019	1 week	62
19-20	Encourage faculty to Complete Ph.D. or register for Ph.D. ( Pursuing or PET	Throughout year		06 faculty received Phd this year.

	clear) The department should submit target every year for submission of Ph.D. thesis of the faculty who are already registered, and target of Ph.D. registration of other unregistered faculty			
19-20	Ph.D. holding faculty should try to get registered in universities as Ph.D. supervisors as early as possible.	Throughout year		07 faculty registered as Ph.D. guide this year
19-20	- Proposals other than major / minor projects for research funds should be submitted to appropriate funding agencies. At least one major and three minor project proposals to be submitted by every department per year.	Throughout year		- 8 proposals to UGC - 6 proposal to AICTE - 3 proposals to ICSSR Dr.P.V.Thorat obtained grant of Rs.2,489,750/- for SPDP.
19-20	Budget allocation for research projects (U.G & P.G).	Throughout year		Chemical-120000/- and Mechanical - 50000/- budget sanctioned. In addition there is provision of Rs.5000/-per project batch of UG and for PG Rs.10000/-for project /student.
19-20	Inviting eminent personalities (2 from academics and 2 from industry) per year by every department.	Throughout year		7 persons from industries (Computer - 6 ,chemical-4, mechanical -01) and 11 from institutes



19-20	GATE/CAT training online/offline be provided on priority	Twice in year	<p>1-Institute made it mandatory to all Final Year students to appear for the GATE Exam.</p> <p>2-Institute has made an unofficial Tie Up with GATE Forum Amravati for coaching of GATE.</p> <p>3-Institute is trying to make official MOU with Gate Forum to make study center in the institute for the session 2019-20.</p>
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<b>CRITERIONVII –INSTITUTIONAL VALUES AND BEST PRACTICES</b>			
<b>7.1 - Institutional Values and Social Responsibilities</b>			
7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)			
Title of the programme	Period(from-to)	Participants	
		Female	Male
Students Equally Took Part in NSS Camp at Kanheri(Sarap)	9 <sup>th</sup> Jan 2020-16 <sup>th</sup> Jan 2020		
“Street Play” by the students of Wall Magazine committee on social issues.	15 Aug 2019& 26 Jan 2020	17	15
Swachata Abhiyan was organized by CSE Department.	23-12-2019	70	50
Two COVID-19 awareness videos were made by the students.	5-5-2020	60	40
CSE staff and students contributed for the noble activity of distribution of safety kits containing Mask, Gloves, Goggles, Sanitizers and Paper Soap to our CORONA warriors (Police and Needy people).	17-05-2020 to 22-05-2020	-	30
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources			
<ul style="list-style-type: none"> <li>● Energy Conservation</li> <li>● Use of renewable energy</li> <li>● Rain Water harvesting and water recycling– Total campus</li> <li>● Plantation/Greening drives</li> </ul>			

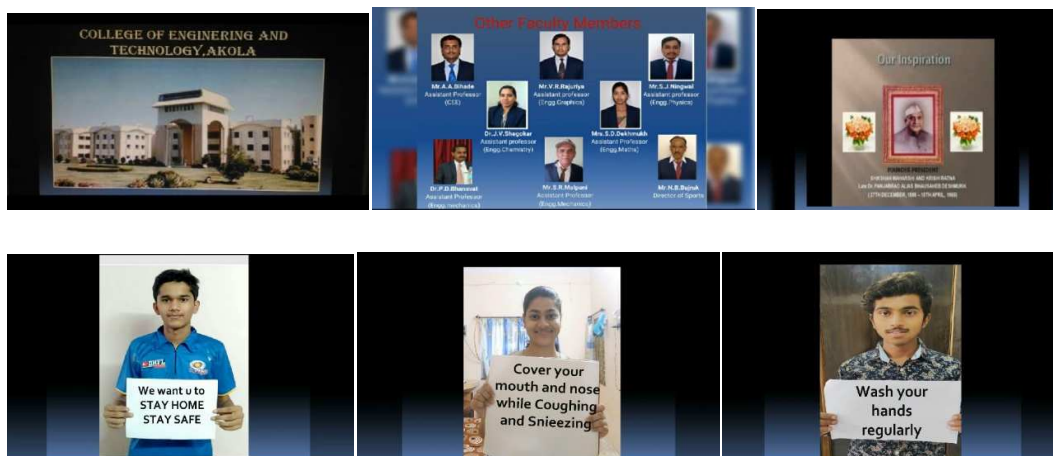
<ul style="list-style-type: none"> <li>• Hazardous waste management and e-waste management</li> <li>• Composting pit</li> </ul>						
7.1.3 Differently abled (Divyangjan) friendliness						
Items Facilities				Yes/No	No. of Beneficiaries	
Physical facilities				Yes	2	
Provision for lift				Yes	2	
Ramp/ Rails				Yes	2	
Braille Software/facilities				Nil	Nil	
Rest Rooms				Yes	2	
Scribes for examination				--	--	
Special skill development for differently abled students				--	--	
Any other similar facility				--	--	
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives taken to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019-20	1	1	11 <sup>th</sup> March 2020.	To know the orientation of runway & design of runway	Components of airport i.e, taxiway, runway, air traffic control etc.	65
2019-20	1	1	25 <sup>th</sup> July 2019	Technical site visit of 2 <sup>nd</sup> Year at Proposed Construction of MHADA.	Components of building i.e, beam, column, slab etc	75
2019-20	1	1	20 <sup>th</sup> January	Workshop on	To know how to	200

			2020	Advance Construction Materials & Technology, in collaboration with UltraTech Cement Limited	use construction materials on practical site.	
2019-20	1	1	24 <sup>th</sup> January 2020.	Technical site visit at Sewage Treatment Plant (STP) in Government Medical College Akola	To know how to treat sewage of public building	80
2019-2020	1	1	01-07-2019	The academic session 2019-20 began with a welcome session for second year students by H.O.D., CSE.	Road Map Of The Department	90students 5 staff
2019-2020	1	1	24-08-2019	A joint program titled "Induction Program for second year students and Annual parents meet "was conducted	Introduction About The Department In Various Activity, felicitate the toppers, Feedback Session Of The Parents.	250students & 10 Staff
2019-2020	2	2	11-10-2019	International Technical working model competition was organized in collaboration with gadgebaba Mandal , Daryapur	Motivate students	60 students
2019-2020	2	1	13-12-2019	12 <sup>th</sup> standard students from Patur visited our department. Departmental presentation	Advertisement For Admission purpose	70 students
2019-2020	2	1	17-12-2019	12 <sup>th</sup> students from Nimba Visited our college.	Advertisement For Admission purpose	80 students

2019-2020	2	1	21-12-2019	No vehicle Day” was Observed	To avoid air Pollution	100 students
2019-2020	2	1	30-12-2019 to 09-01-2020	Department of CSE organized ISTE approved 2 weeks STTP on “Research Methodology and Data Analysis	Knowledge Upgradation	40
2019-2020	2	1	20-01-2020	CSE wall magazine inauguration	Motivate students to participate in other activities	40
2019-2020	2	1	20-01-2020	“Parikhsha Pe Charcha 2020” Hon. Prime Minister interacted with students	Regarding Examination problem	100
2019-2020	2	1	07-03-2020	As per the tradition of the CSE department, a grand National Level Student Technical Event “TechnoBlitz-2k20” was successfully organized. First time in the Vidharbha region “India’s Tallest Humanoid Robo-show” was organized by CSE department of C.O.E.T., Akola	Regarding Knowledge Upgradation	250

## 7.1.5 Human Values and Professional Ethics

### COVID-19 Awareness Video:By First YearStudents



### Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
NA	NA	NA

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

Activity	Duration (from-----to-----)	Number of participants
Interview of Anand Kumar on OHP(Real Hero of super 30) Secret of life -a movie of positivity(A law of attraction)	6 <sup>th</sup> august 2019 to 9 <sup>th</sup> august 2019	157
Live telephonic conversation of students with Mr. Chandrabhushan Tiwari(A man who left his job to complete his target of planting 11 lakhs trees	10 <sup>th</sup> August 2019	157
Healthfulness and meditation on the occasion of international yoga day	21 June 2019	150
On the occasion of Mahatma Gandhi Jayanti under swacha Bharat Abhiyan in association with Unnat Bharat Abhiyan to promote values and ethics of Mahatma Gandhi “Cleanliness is next to Godliness”	02 Oct 2019	200

No Vehicle Day to make the campus and our environment pollution free, all staff and students used the bus service instead of using their own vehicle.	24 Dec. 2019	150
Workshop on Skill Development in Civil Engineering application in collaboration with Ultra Tech Cement Limited	3 <sup>rd</sup> January 2020	150
Awareness competition Jal for school students in collaboration with Indian water work Association, Akola Centre.		2400
Weekly workshops in collaboration with Progressive Expert Aurangabad was conducted on topic related to soft skill, career etc.	7 <sup>th</sup> April to 28 <sup>th</sup> April, 2020.	270
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)		
1) Green Campus Initiative. 2) No Vehicle Day. 3) Cleanliness Drive carried out, all plastic garbage is collected to make the campus eco-friendly. 4) Tree Plantation. 5) Rain water Harvesting of Campus. 6) “Tobacco Mukta Bharat” Programme was organized by NSS unit to spread awareness of it. 7) Limited use of paper and reuse of paper.		
<b>7.2 Best Practices</b>		
Describe at least two institutional best practices		
<b>Best Practice No.1</b>		
1-Title: organizing in collaboration with industry –		
Event like “Industrial Safety in Chemical Industries ” organized by Department of Chemical Engineering In collaboration with Rallis India Ltd. A TATA Enterprise M.I.D.C. Akola.		
<b>Best Practice No.2</b>		
2-Title: National Level Student Technical Event “TechnoBlitz-2k20” was successfully organized. First time in the Vidharbha region “India’s Tallest Humanoid Robo-show” was organized by CSE department of C.O.E.T., Akola.		
details of two best practices are given in below link:- <a href="https://www.coeta.ac.in/LinkFiles/Best%20Practices%20for%2019-20.pdf">https://www.coeta.ac.in/LinkFiles/Best%20Practices%20for%2019-20.pdf</a>		
<ul style="list-style-type: none"> <li>• Model Making Workshop of Pandharinath Patil Memorial Chikhali Di- Buldhana by Ar Abhay Mundiwale with 1st Yearstudents.</li> <li>• Remedial classes for slow learners.</li> <li>• Teacher Guardian Scheme for all students.</li> </ul>		

### 7.3 Institutional Distinctiveness

Vision of our parent society is

"To use education as a tool of social transformation and to spread it amongst that section of the populace deprived in the preceding centuries and to equip them to participate in the nation building activity with a view to promote the social and national growth."

And mission of parent society is

- To build a network of school and colleges for educating the masses.
- To undertake rural development programme for the upliftment of villages and the rural areas with such as the rural development institutes and its like.
- To establish farmers association for safeguarding their interests and for ventilating their grievances.
- Our Engineering institute is also marching with same purpose to take this engineering education to the deprived society. The result of this effort is nearly 70% of students are from economically and socially backward students are made aware about all the central and state government scholarship/freeship. The institute take provide the students financial support from Alumni, Faculties and NGO's
- The majority students are from farming families taking education in our institute. We have maintained such an environment in the institute that these students feel comfortable and they feel proud that we are learning in an institute run by Shri. Shivaji Education society which is having very high moral values.
- We maintain the environment in our institute such that the students from higher social/ economical class and lower class get equal opportunity to grow. This institute is a good example of harmony between the students of different classes.
- We also ensure that the student get placement and entrepreneurship after completion of their degree so that the family should get financial support. This helps the family to uplift their economic status and help them to provide quality education to their other children.
- Institute give opportunity to every student as per his intellectual requirement. The students are given exposure to the outside world by arranging industrial visits and site visits. They are also sent for industrial training.
- The training courses and soft skill programs are arranged to make the students employable. Hostel facilities are provided to the student at very reasonable rate.
- Activities like Sports, cultural activities, various technical clubs, and National social scheme are carried out throughout the year for overall development of students.
- The NSS activities develop social awareness in the students. This makes the student sensible. All the efforts are made by the institute to prepare the students to take up challenges of rapid changing world.
- Competitive edge is provided to the students by arranging Expert talks, Workshops, Conferences, Gate

**8. Future Plans of action for next academic year (500 words)**

1. Department with UG courses should go for PG courses.
2. All branches to apply for NBA. Preparing Departments for NBA in all respect.
3. To create more industrial linkages for benefit of students.
4. To undertake more academic research useful to nearby industries.
5. Modernization of few laboratories.
6. To enhance research and consultancy.
7. To start additional courses to enhance employability of students.
8. Modern Instruments in laboratory to cop up with industry requirement.
9. Enhance Industry Institute Interaction through MOU.
10. To try for getting Major - minor project/MODROB grants from funding agencies.
11. Promoting teacher to present papers in international conference.
12. Promoting Student's for online training for MOOC / SWAYAM programs certification.
13. Conduct online NATA classes for architectural aspirants.
14. Motivate teachers to pursue PHD.
15. To upgrade the academic Excellency programme for faculty.
16. To conduct expert lectures / webinar for students.
17. To promote teachers and students to apply for patenting.

Name \_\_\_\_\_

Name \_\_\_\_\_

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*Signature of the Coordinator, IQAC*  
IQAC

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*Signature of the Chairperson,*

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