ANNUAL REPORT 2019-20

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2019-20

GOVERNMENT COLLEGE OF ENGINEERING, KARAD

(An Autonomous Institute of Government of Maharashtra)
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Government College of Engineering, Karad

(An Autonomous Institute of Govt. of Maharashtra) Since 2015

Established: 1960

Annual Report 2019-20

Principal's Report

Prof. Dr. A.T. Pise

Government College of Engineering Karad is one of the premier engineering institute in western Maharashtra. Since its establishment in 1960 the institute has set milestone each year. The institute is excelling each year continually in academic Programme and research infrastructure. Students are encouraged and supported financially to participate at national and international level in various Co-curricular and Extracurricular activities and sports activities for overall development. The institute's IIC cell is collaborating with industries, arranging internship, industrial visits expert lectures, R& D Projects, project-based learning and campus training of various programming languages and softwares so that students of GCE Karad can excel in his/her career.

Academic year 2019-20 has witnessed major development overall in each department as well as at institute level. This year institute has procured latest sophisticated equipment's, software's and state- of- art laboratories.

The Institute has started construction of state of art central library and new ENTC building worth of Rs. 7 cr and 8.5 cr. It will be getting ready to use in next academic year.

Another milestone is added in the GCE Karad history as this year the institute has started two new PG Programmes of M. Tech. (Design)in Mechanical Engineering and M. Tech. (CSE) in Information Technology Engineering.

The institute has modernized all classrooms into digitized and using virtual labs in collaboration with IIT Bombay. The flipped classrooms have been developed in Electrical and Mechanical Engineering Department.

The institute is acting as mentor institute of Rajikiya Engineering College, Azamgarh, U.P., India and arranged number of collaborative events for the overall upliftment's of the mentee institute.

Second convocation of autonomous batch is held in March 2020 and degrees of B. Tech. and M. Tech., MCA are awarded of respective programs.

The Institute received various grants from central and state agencies like AICTE, TE-QIP-III, DPC and DTE.

NPIU conducted performance audit of institutes. GCE Karad has ranked 1st in state and 4th in the nation. The institute has organized various FDP/STTP, conferences, employability test and training programs etc., for students and faculty to enhance their knowledge and hone their skills.

GCE Karad students team DEMONS has participated in the event SAE event BAJA, the biggest and prestigious engineering competition for the first time and has cleared virtual rounds and achieved **AIR 9.** TEAM

PRATHAM participated in TIFAN 2k19 and conquered **AIR 20.**

This year has witnessed increased selection of GCE Karad students at national and state level competitive examination like UPSC and MPSC.

Faculty members and students are utilizing the enhanced research infrastructure of the institute and publishing research in indexed journals.

Central library of the institute enriched by number of national and international journals, books and many resources are digitized. For students benefits the college Moodle and MIS has made available now on internet from intranets.

Since March 2019 due to Covid-19 lockdown the institute has organized two international conferences, more than 12 FDPs, webinars and motivational talks of eminent speakers in online mode. Also, Hostels are used as Covid-19 quarantine and swab center.

The final year students of civil engineering have contributed in survey to help people in flood affected area of Sangli district.

The institute has ranked 15 in top T- Schools in all over India in the Dataquest survey 2020.

I am glad to present the efforts of the Board of Management, faculty and staff members and motivated students of GCE Karad.

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1. INTRODUCTION

1.1 VISION OF THE INSTITUTE

"To emerge as a technical institute of national repute, driven by excellence in imparting value-based education and innovation in research; to face global needs of the profession"

1.2 MISSION OF THE INSTITUTE:

"To create professionally competent engineers driven with a sense of responsibility towards nature and society"

Programme Details

Undergraduate Programs

Sr. No	Programme	Sanction Intake	Year of Starting	NBA Accreditation
1	Civil Engineering	60	1960	YES
2	Mechanical Engineering	60	1960	YES
3	Electrical Engineering	60	1960	YES
4	Information Technology	60	2001	YES
5	Electronics and Telecommunication	60	2007	No

Post Graduate Programmes

Sr. No	Programme	Sanction Intake	Year of Starting	NBA Accreditation
1	M. Tech. (Structural Engineering)	25	1960	YES
2	M. Tech. (Construction Management)	25	2005	YES
3	M.Tech.(Production Engineering)	25	1967	YES
4	M. Tech. (Heat Power Engineering)	25	1967	YES
5	M. Tech (Power System)	25	2005	YES
6	M. C. A	30	1992	YES

Ph. D. Programmes

Sr. No	Programme	Year of Starting
1	Civil Engineering	2011
2	Mechanical Engineering	2011
3	Electrical Engineering	2016

2. OVERVIEW

2.1 History and journey

Government College of Engineering, Karad is one among seven engineering colleges established by State Government of Maharashtra and first among those that established post-independence. The prime objective of establishing college was to impart quality technical education to the youth in rural part of Maharashtra. Basically, three institutes i.e. Engineering College, Government Polytechnic and Pharmacy College started functioning in the same premises. Other Colleges were then shifted to their independent premises and the heritage building was retained by the college.

The college was established in 1960 with undergraduate Programmes in three core branches of Civil, Mechanical and Electrical Engineering, initially affiliated to Pune University and subsequently to Shivaji University in 1972. PG Programmes (Master of Engineering) in these disciplines too were started in 1967. Till date, the institute has produced more than 13000 engineers in these disciplines as well as more than 1500 post graduate engineers. * The UG programs in Civil, Mechanical and Electrical has been 'permanently affiliated' to Shivaji University. In response to the drive of globalization and Industry needs the Institute started MCA (Master of Computer Applications) course in 1992. This was the only engineering Institute in Maharashtra to offer the MCA course in engineering discipline. Till date, this institute has produced more than 700 computer professionals serving for the needs of Industry. Subsequently in 1995 all disciplines of the institute were approved by AICTE (AICTE established in

1994). With the boom in Information Technology, Department of Technical Education, Maharashtra shouldered the responsibility of starting the bachelor's degree course in IT to cater to the need of meritorious students in this region and the new branch of engineering in Information Technology was started in the Institute from 2001. In due course of time the institute has also started an undergraduate Programme in Electronics and Telecommunications in 2007.

With the state of art equipment and well qualified faculty, the institute got accredited by National Board of Accreditation in 2006 in the three well established core disciplines by the NBA. As the process of accreditation is continuous, now the institute is prepared to go for second round of accreditation for its all disciplines. With the mission and vision to excel in the field of engineering education the institute is a recognized research center for pursuing Ph. D. in Mechanical and Civil Engineering. To substantiate the academic performance and progress of the institute brief information is provided below. Today, CEK offers five UG and six PG Programmes, and has more than 1600 students enrolled in its various courses.

CEK has a beautiful green campus of about 40 acres. All departments & laboratories are housed on the campus. Hostels accommodating more than 800 students, including 240 girl students, as well as residential accommodation for teaching & non-teaching staff of the college are available on the campus. Consciously developed, the campus has

retained & increased its green cover, rich in natural flora & fauna, & provides an attraction for bird watchers. Karad is also a culturally vibrant town and boasts of being a major center of education in Western Maharashtra.

Apart from imparting professional education at undergraduate and postgraduate levels, the institute has been extending available expertise to various Govt. / Semi- Govt. and primary objective of institute is to provide advanced technological skills & expertise to enhance teaching & academic activities. Greater emphasis is also being placed on revenue generation through utilization of facilities for providing services to the industries on commercial basis.

Milestones at a Glance

|	
1960	Established with 3 UG programs (Civil, Mech., Elect.) affiliated to Pune University
1967	Introduced 5 PG programs (CM, SE, HP, PE, PS)
1972	Affiliation shifted to Shivaji University, Kolhapur
1979	Acquired Permanent Affiliation (Civil, Mech. & Elect.)
1992	Introduced 3 Year PG program MCA
2001	Introduced UG program in IT
2002	AICTE Sanction for PG: 18+7* (Sponsored)
2007	Introduced UG program in Electronics & Telecom.
2010	Celebrated Golden Jubilee Year
2011	Research center recognition for PhD in Mech. & Civil
2012	Institute selected under TEQIP–II
2013	Dr A. S. Pant deputed to AICTE as Vice-Chairman
2014	Research center recognition for Ph. D.in Electrical Engineering
2014	Applied for re-accreditation for 3 & fresh accreditation for 3 programs
2015	UGC granted autonomy
2016	Applied for fresh accreditation of Five M. Tech. Programs
2016	NBA Re- Accreditation B.Tech. in Civil, Mech., Elect., IT
2016	NBA Accreditation MCA
2016	NBA Accreditation M.Tech. In CM, SE, HP, PE & PS.
2017	Selected as a Mentor Institute for TEQIP III
2019	Started Two new PG Programmes in Engineering viz., M. Tech. Design & M. Tech. (CSE)

2019	Mr. Harshal Bhosle (Mech. 2018 Batch) Stood First in Indian Engineering Service conducted by UPSC
2020	Mr. Prasad Chaugule (Mech 2017 Batch) Stood first in MPSC Civil Service

2.2 Institute Ranking

Ranking 2019-20

- In times ranking GCE karad stands at 27th postion all over india
- In west zone ranking we stand at 9th rank
- In Top T school government raking GCE Karad ranks 15th
- In Outlook India ranking GCE Karad got 102th rank all over India
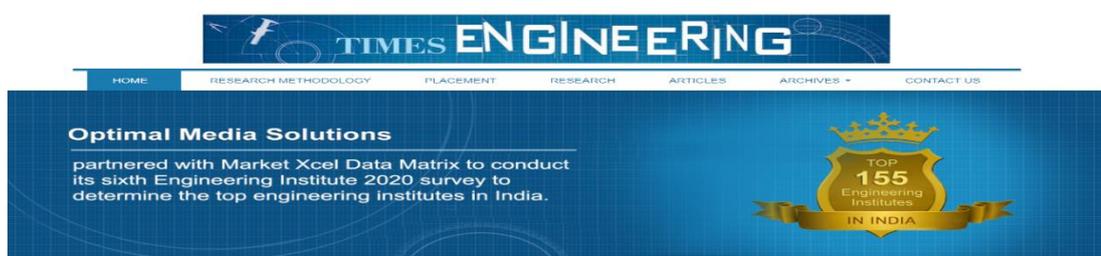
11	Sathyabama Institute of Science & Technology, Chennai
12	Nitte Meenakshi Institute of Technology, Bangalore
13	Institute of Engineering & Management (IEM), Kolkata
14	KJ Somaiya College of Engineering, Mumbai
15	MIT World Peace University(Faculty of Engineering and Technolog
15	Faculty of Engineering & Technology (Manav Rachna Internationa Research & Studies), Faridabad
16	JIS College of Engineering Kalyani West Bengal
17	Bharati Vidyapeeth (Deemed To Be University) College of Enginee
18	Vishwakarma Institute of Technology, Pune
18	REVA University, Bengaluru
19	Hindustan Institute of Technology & Science (Deemed To Be Unive
20	Vels institute of science technology and advanced studies, Chenn
21	Pimpri Chinchwad College of Engineering, Pune
22	Svkm's Dwarkadas J. Sanghvi College of Engineering, Mumbai
23	Siksha 'O' Anusandhan (Deemed To Be University), Bhubaneswar
24	IMS Engineering College, Ghaziabad
25	Chaitanya Bharthi Institute of Technology, Hyderabad
26	Galgotias University, Greater Noida
27	Government College of Engineering, Karad
28	Chandigarh University- University Institute of Engineering, Mohali

	West Zone
1	College of Engineering, Pune
2	Institute of Technology, Nirma University, Ahmedabad
3	KJ Somaiya College of Engineering, Mumbai
4	MIT World Peace University(Faculty of Engineering and Technology),
5	Bharati Vidyapeeth (Deemed To Be University) College of Engineerin
6	Vishwakarma Institute of Technology, Pune
7	Pimpri Chinchwad College of Engineering, Pune
8	Svkm's Dwarkadas J. Sanghvi College of Engineering, Mumbai
9	Government College of Engineering, Karad
10	All India Shri Shivaji Memorial Society's College of Engineering, Pun
11	Indira College of Engineering and Management, Pune
12	Government College of Engineering, Aurangabad
13	D Y Patil University School of Engineering & Technology, Ambi, Pune
14	Svkm"S Nmims Mukesh Patel School of Technology Management & Mumbai
15	Terna Engineering College, Navi Mumbai
16	GH Patel College of Engineering & Technology, Vallabh Vidyanagar

Times engineering ranking (All over India)   Times engineering ranking West zone

Data Quest ranking March 2020

Times Engineering Survey ranks GCEK 27th (AIR)

#GCEK 2019-20 Few Success Stories Speak

Harshal Bhosale UPSC IES First Rank	**Prasad Chougule** MPSC First Rank	**Sourabh Vhatkar** UPSC General 695 Rank
Uttareshwar Kachare GATE 30th Rank DRDO Scientist	**Prathamesh Deshpande** GRE 314 IELTS 8 (North Carolina USA)	**Prithwiraj Patil** CAT 98.9 Admission in IIM Udaipur

- 250+ GCEK students got placement offers (2019-20)
- Highest package of 12.2 LPA
- Average package 3.9 LPA
- 5 GCEK students filed patent in 2020
- 49 Students secured valid GATE score
- 3000+ GCEK students got certifications in online skill programs

Students slections 2019-20 with good ranks in GATE, MPSC, UPSC

Glimpse of few achievements by students in MPSC Exam 2019-20

Director's visit to institute

2.3 Location & Campus
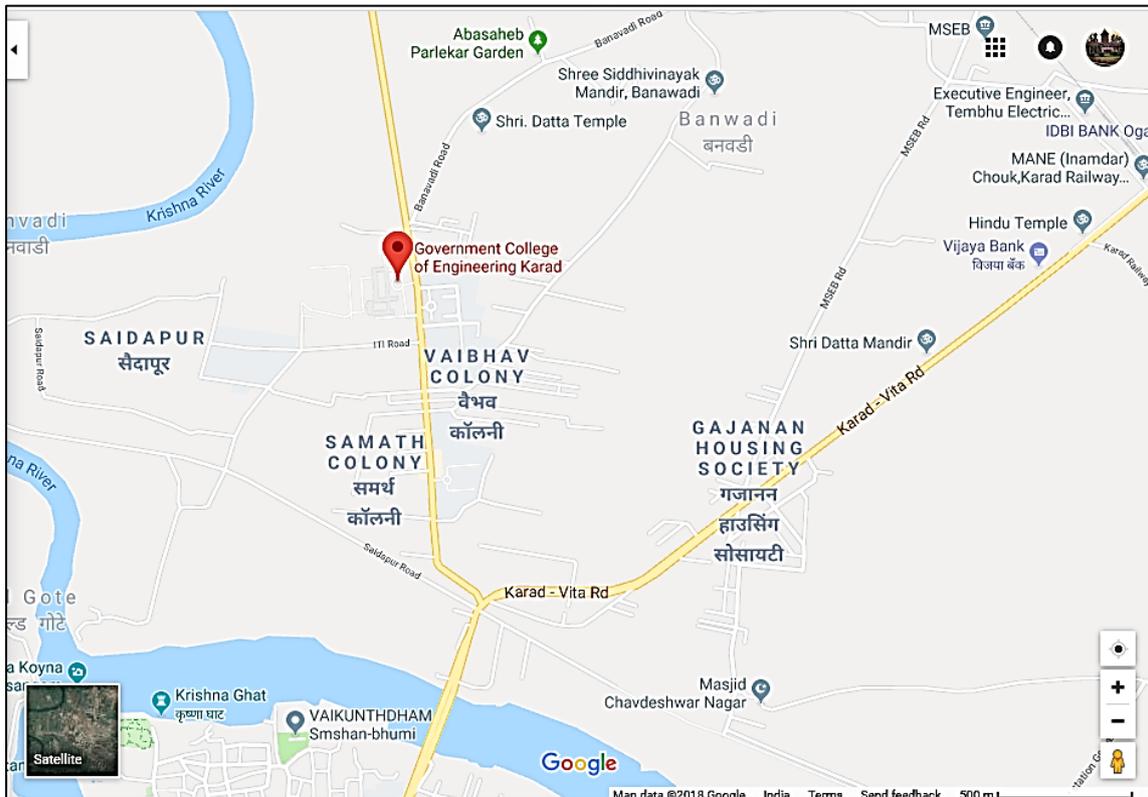
Satelite Location:
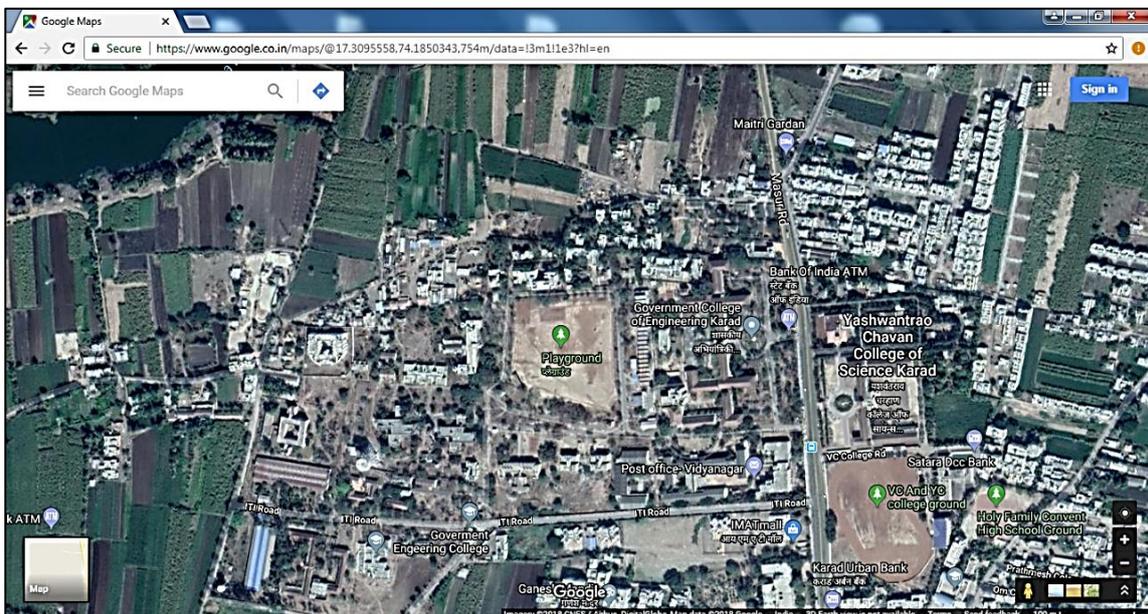
The campus is situated in Vidyanagar, Karad. GCEK has a beautiful green campus of about 40 acres (161874 m^2). All departments & laboratories are housed on the campus. Residential accommodation for teaching & non-teaching staff of the college is available on the campus. Consciously developed, the campus has retained & increased its green cover, rich in natural flora & fauna, & provides an attraction for bird watchers.

The college provides residential facilities for both undergraduate boys and girls. Due to limited vacancies admissions are merit-based. There are three residential buildings in the hostel campus. Boys' blocks are named A, B, C, and D. The total capacity of boy's hostels is 480. For girls, there is one block, namely, Jijau. This was constructed keeping in mind, the huge number of the college's girl-students staying outside. Its capacity is 240. Jijau is four storied, and the remaining buildings are three storied. For PG there's a hostel for boys with capacity of 45.

Further it comprises the principal's residence, hostel office, security room, rectors' quarters, a co-operative store, and students' dining rooms.

The institute also has a well-equipped gym for students. The Gymkhana consists of Gymkhana Secretary along with secretaries of various sports and cultural committees.

The institute has a large ground for sports activities including cricket, football, volleyball, Kabaddi, and kho-kho.

2.4 Smart Campus

Government College of Engineering Karad is follower of Digital India and Maharashtra Digi Dhan awareness Programme. Receive nothing in cash (fee/fines/deposits) i.e. Students fee collected through the online payment system. Pay nothing in cash (wages/salaries/vendor/agency payments) i.e. payments are done by using online payment system. Faculty/staff/students use cashless systems in all payments like canteen bills, library payments and fines etc.

In addition to this, institute is marching towards the implementation of e-office concept in the administration department so all files can be stored in digital formats.

As per GoM & DTE GR Dt. 30/03/2017 starting from Academic Year 2017-18 by implementing SBI Collect first transaction on 19th June 2017

Initially Covered

- Students Fees Collection

- Canteen Bill Payments

- Outsider Payments

Mode of Payments…

- Internet Banking

- Debit/ATM Card

- Credit Card

- Point-of-Sale (Swipe Machine)

- SBI Buddy

- SBI e-Challan

Observations

- Unawareness

- 50% Students/Parents having SBI Debit Cards

- 40% Students/Parents having other Bank Debit Cards

- 8% Students/Parents having Internet Banking

- 2% Students/Parents having Credit Cards

- Transaction limit on Debit Card transaction fails

- Problems with RuPay Debit Card
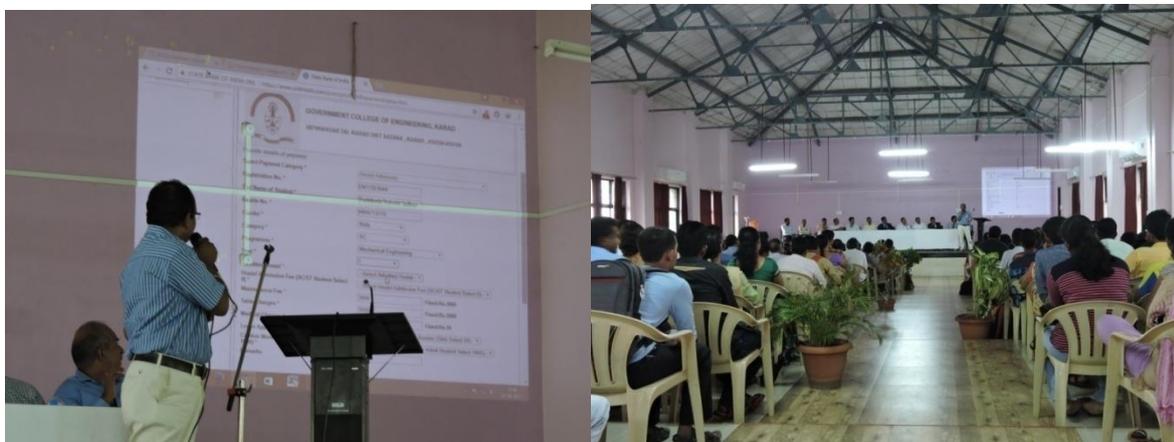
First Year Engineering Orientation Program Explaining Payment System

3. COUNCILS AND OTHER COMMITTEES

3.1 Board of Management

1. Chairman -   Hon. Dr. Ashok Khade, M. D., Das Offshore
2. Member - Hon. Shri. Amit Kadam, B.V.G, Industries
3. Member -   Hon. Shri. Narendra Kulkarni, ELCO, Engineering, Ichalkaranji
4. Member -   Hon. Shahajirao Jagdale, Shreem Electrical, Ichalkaranji
5. Member -   Hon.Saurav Vijay, Govt. Nominee
6. Member -   Hon. Dr. Shivajirao Kadam, UGC Member
7. Member -   Hon. Dr. B. S. Gawali, University Member
8. Spl. Member - Hon. Dr. Abhay Wagh, Director, Spl. Invited Member
9. Spl. Member -Hon. Mr. T. J. Tidke, Dy. Secretary, Spl. Invited Member
10. Invitee Member -Dr. P. M. Khodke, CPA, NPIU, New Delhi
11. Invitee Member - Dr. G. D. Yadav,
12. Member -   Dr.S. K. Patil, Institute Faculty
13. Member - Prof.V. B. Waghmare, Institute Faculty
14. Member Secretary - Dr. A.T. Pise, Principal

3.2 Finance Committee

1. Chairman -   Dr. A.T. Pise, Principal.
2. Member -   Hon. Shahajirao Jagdale, BoM Nominee.
3. Member -   Shri. R.G. Tanksale, C.A. Satara
4. Member -   Shri. Shirish Godbole, C. A., Karad
5. Member - Dr. R.K. Shrivastava, HoD, Mech
6. Member -   Shri. A.Y. Barkade, Registrar
7. Invitee Member -   Dr. P.M. Khodke, CPA, NPIU, New Delhi
8. Member Secretary - Dr. S.J. Wagh, HoD I.T., Institute Faculty.

3.3 ACADEMIC COUNCIL

The Hon. Members of Academic Council of the institute are:

1. Chairman -   Dr. A.T. Pise, Principal.
2. Member -   Dr. P. M. Khodke, CPA, NPIU, New Delhi
3. Member -   Dr. S. V. Kulakrni, IIT Bombay
4. Member -   Dr. Atul Sharma, IIT Bombay
5. Member -   Dr. M. M. Ghangrekar, IIT Kharagpur
6. Member -   Dr. Damodar Reddy Edla, NIT Goa
7. Member -   Dr. Mrs. P. P. Rege, COE Pune
8. Member -   Dr. Uday Kahedkar, IIT Bombay
9. Member -   Dr. P. V. Kadole, University Nominee, (SU Kolhapur)
10. Member -   Dr. Mrs. S. S. Kulkarni, University Nominee, (SU Kolhapur)
11. Member -   Dr. S. P. Pandey, Director, REC Azamgarh, U.P. India
12. Member -   Mr. Sanjay Parkhi, Divisional Manager, Thermax Babcock & Wilcox Energy Solution Pvt. Ltd., Pune
13. Member -   Dr. Y. M. Ghugal, HoD Applied Mech.
14. Member -   Dr. S. S. Walunjkar, HoD Civil
15. Member -   Dr. P.M. Joshi, HoD Elect.
16. Member -   Dr. A.M. Sapkal, HoD E & TC.
17. Member -   Dr. S. J. Wagh, HoD I.T.
18. Member -   Dr. R.K. Shrivastav, HoD Mech.
19. Member -   Prof. B.S. Patil, HoD MCA

20. Member - Dr. V. S. Patil, HoD Maths
21. Member - Dr. S. P. Deshmukh, (Teachers Representative)
22. Member - Dr. A. R. Karwankar, (Teachers Representative)
23. Member - Dr. U.V. Patil, Dean Academic
24. Member - Dr. U.V. Pise, invited member, CoE.
25. Member - Dr. Anil Acharya invited member, Dean III
26. Member Secretary - Dr. S. H. Pawar, Asso. Prof. Electrical.

Responsibilities of Academic Council Committee

- Frame and revise curricula and syllabi for the courses of studies for the various departments and centres
- Make arrangements for the conduct of examinations, appointment of examiners, moderators, tabulators and other matters relating to the examinations
- Declare the results of the examinations or to appoint committees or officers to do so and to make recommendations to the board regarding conferment or grant of degrees, diplomas and other academic distinctions or titles
- Appoint advisory committees or expert committees or both for the departments or centres of the institute to make recommendations on academic matters connected with the working of the departments or centres
- Appoint committees from amongst the members of the senate, other teachers at the institute an expert from outside to advise on such specific and important academic matters as may be referred to any such committee by the senate
- Consider the recommendations of the advisory committees attached to various departments or centres and that of expert and other committees and take such action (including the making of recommendations to the board) as warranted by each case
- Make periodical review of the activities of the departments or centres and take appropriate action (including the making of recommendations to the board)
- Supervise the working of the library of the institute
- Promote research and academic development or activity within the institute and seek reports on such research or academic development or activity from the persons engaged therein
- Provide for the inspection of the classrooms, laboratories, library and the residential hostels
- Plan co-curricular activities of the students at the institute
- Award stipends, scholarships, medals and prizes and make other awards in accordance with such conditions as may be attached to the awards
- Make recommendations to the board to disseminate knowledge through distance learning mode to various parts of the state or country or abroad and in the cases
- of signing of agreement with the foreign agency, agreement may be signed with approval of the ministry
- Make recommendations to the board to disseminate knowledge through distance

learning mode to various parts of the state or country or abroad and

- Invite up to two student representatives during discussion of general nature not involving

policy or disciplinary matter in the senate meetings.

3.4 Building Works Committee

1. Chairman - Dr. A.T. Pise, Principal.
2. Member - Hon. Shri. Narendra Kulkarni, BoM Nominee
3. Member - Dr. P.M. Khodke, CPA NPIU New Delhi.
4. Member - Shri. S. Rajbhoj, Office Supdt. PWD, Satara
5. Member - Shri. Mangesh Phadnis, Architect, Karad
6. Member - Shri. Mahajani, Architect Satara
7. Member - Dr. D.R. Nandanwar, Joint Director, RO, Pune
8. Insti. Member - Dr. Y.M. Ghugal, HoD. Applied Mech, Insti. Member
9. Insti. Member - Prof. B.A. Konnur, HoD Civil
10. Member Secretary –Shri. U.L. Deshpande, Applied Mech. Dept.

3.5 Other Committees

1	Exam. Committee	Chairman - Dr. A.T. Pise, Principal. Member - Prof. G.R. Palase, CoE, Shivaji Uni. Kolhapur. Member - Dr. U. V. Patil, Dean Academic Member - C. V. Andhare, Co-Ordinator Paper Setting Member - Prof. N. M. Mule, Co-ordinator Paper Printing Member - Prof. L.L. Kumarwad, Co-ordinator Paper Assessment Member - Dr. Sonawane, CoE, COEP, Pune Member - Prof. M.V. Kavade, CoE, RIT, Islampur Member - Dr. U. V. Pise, Controller of Exam.
2	Library Advisory Committee	Chairman - Dr. A.T. Pise, Principal. Member - Prof. Y.D. Chavan, Asstt. Prof. I.T. Member - Prof. S.V. Patil, Asso. Prof. Elect. Member - Prof. Smt. V.M. Bogar, Asstt. Prof. Applied Mech. Member - Prof. Smt. G.S. Dhende, Asstt. Prof. Mech. Member - Prof. P. B. Jawade, Asstt. Prof. I.T. Member - Prof. Smt.P.P. Shinde, Asstt. Prof. MCA Member - Dr. K. N. Alsundkar, Asstt. Prof. Chemistry Member - Prof. S.V. Joshi, Assistant Professor Member - Prof. K.D. Nirde, Assistant Professor Member Secretary - Shri. A.S. Wadate, Librarian Member Joint Secretary - Shri. G. A. Kale, Asst. Librarian
3	Anti-Ragging Committee	Chairman – Dr. S.P. Deshmukh, Rector. Member - Prof. S. K. Patil, Asso. Prof. Elect. Member - Prof. S.M. Shinde, Asstt. Prof. Maths. Member - Prof. Prof. Y.D. Chavan, Asstt. Prof. I.T. Member - Prof. Smt. K.K. More, Asstt. Prof. Elect. Member - Prof. B.S. Patil, Asstt. Prof. MCA Member - Prof. A.B. Chaudhari, Asstt. Prof. I.T. Member - Prof. Smt. S.B. Karadkar, Asstt. Prof. Chemistry Member - Prof. V.B. Raka, Asstt. Prof. Mech.

4	Women Grievance Redressal Committee	Chairman – Prof. M.H. Yadav, Asstt.Prof.Mech.
		 Member - Dr. S.A. Patil, Asstt. Prof. Physich.
		 Member - Dr. A.M. Sapkal, HoD, E & TC.
		 Member - Smt. S.M. Jadhav, Stenographer
		 Member - Shri. A.Y. Barkade, Registrar
		 Legalist -Smt. Anagha Barde, Social Worker, Karad
		 Legalist – Dr. A.V. Yadav,
		 Student Representative (UG) -Miss. Nutan Mali, B.E. Elect.
		            Miss. Prajakta Patil, B.E. Mech.
		 Student Representative (PG)- Miss. Srhidevi Mane,
		            M. Tech. IInd Year Mech.

5	Disciplinary / Student Grievance Redressal Committee	Chairman - Dr. P. M. Joshi, Prof. Elect. Member - Prof. S. K. Patil, Asso. Prof. Elect. Member - Shri. D.N. Peraspure, Registrar Member - Prof. N. R. Shetti, Asstt. Prof. I.T Member Secretary- Dr. U.V. Patil, Dean Academic
6	Academic Programme Evaluation Committee	Chairman - Dr. U. V. Patil, Dean Academics Member - Dr. S.S. Walunjkar, Chairman BoS Civil Member - Prof. P.M. Joshi, Chairman BoS Elect. Member - Dr. R.K. Shivastava, Chairman BoS Mech. Member - Dr. S. J. Wagh. BoS I.T. Member - Dr. A.M. Sapkal, Chairman BoS E & TC. Member - Prof. B.S. Patil, Chairman BoS MCA Member - Dr. V. S. Patil, BoS Sci. & Humanity Member - Prof. A.R. Acharya, TPO & Dean Industry Institute Interaction. Member - Prof. S.V. Joshi, Member Secretary, BoS Civil Member - Prof. S.K. Patil, Member Secretary, BoS Elect. Member - Prof. M.H. Yadhav, Member Secretary, BoS Mech Member - Prof. A.B. Chaudhari, Member Secretary, BoS I.T. Member - Prof. Anil Karvankar, Member Secretary, BoS E& TC Member - Prof. M.D. Malkautekar, Member Secretary, BoS MCA Member - Dr. U.V. Pise, Controller of Exam. Spl. Invitee – Dr. Y.M. Ghugal, HoD Applied Mech. Member Secretary - Prof. A.A. Bhodve, Asstt. Prof. Geology.
7	Hostel Committee	Rector - Dr. S.P. Deshmukh, Asso. Prof. Mech. Warden Hostel 'C' - Prof. A.B. Chaudhari, Asstt. Prof. I.T. Warden Hostel 'B' - Prof. Y.D. Chavan, Asstt. Prof. I.T. Warden Hostel 'D' - Prof. B.S. Patil, Asstt. Prof. MCA Warden Jijaoo Hostel - Prof. Smt. S.B. Karadkar, Asstt. Prof. Chemistry Hostel Clerk – Shri. S.S. Shinde, Jr. Clerk. Hostel Peon – Shri. M.R. Bansode, Hamal.
8	Right to Information.	Information. Officer– Shri. A.Y. Barkade, Registrar Appellate Officer – Dr. A. T. Pise, Principal.
9	Internal Quality Assurance Cell Committee	Chairman- Dr. A.T. Pise, Principal Co-ordinator- Dr. S. M. Kore, Adjunct Professor, E& TC Member - Dr. S. J. Wagh, Professor & Head, IT Engg. Member - Dr. P. M. Joshi, Professor & Head, Electrical Engg.

		Member - R. K. K. Shrivastava, Professor & Head, Mech. Engg.
		Member - Dr. U. V. Patil, Dean academic
		Member - Dr. S. P. Deshmukh, Asso. Professor, Mech. Engg.
		Member - Dr. A. R. Karnawa, Asso. Professor, E& TC
10	Training & Placement Officer	Chairman - Prof. A.R. Acharya, Asso. Prof. Mech. (TPO) Member - S.S. Yadav, Asstt. Prof. Civil (TPO Civil.) Member - Prof. G.S. Dhende, Asstt. Prof. Mech (TPO Mech.) Member - Prof. U.S. Patil, Asstt. Prof. Elect. (TPO Elect.) Member - Prof.Abhilasha Sathe Asstt. Prof. I.T. Member - Prof. Sachin Shingade, Asstt. Prof. (TPO E& TC) Member - Prof. L.L. Kumarwad, Asstt. Prof. MCA (TPO MCA)
11	Purchase Committee	Chairman- Dr. Y. M. Gugghal, Dean R& D Member - Prof. B. A. Konnur, Civil Engg Member - Prof. V. B. Waghmare, HoD Elect. Member - Dr. R. K. Shrivastava, HoD Mech. Member - Dr. S. J. Wagh, HoD I.T. Member - Dr. P. M. Joshi, HoD E & TC Member - Prof. P.C. Shetiye, HoD MCA Member - Dr. V. S. Patil, HoD Maths Member - Prof. Smt. S. B. Karadkar, Asstt. Prof. Chemistry Member Secretary – Shri. S. M. Pardeshi, Storekeeper
12	Sports Committee	Chairman - Dr. A.T. Pise, Principal. Member - Prof. S. K. Patil, Dean Student Welfare
13	Culture activities, Youth Festival, Art Circle	Annual Day- Co-Coordinator – Prof. S. V. Patil, Asso. Prof., Elect. Aavishkar Co-ordinator- Dr. S. P. Deshmukh, Asso. Prof. Mech. Magazine Co-ordinator- Dr. S. H. Pawar, Asso. Prof. Elect. Cultural Activities & Youth Festival Co-ordinator – Dr. R. K. Kulkarni, Asso. Prof. I.T. N.S.S. Co-ordinator – Dr. K. N. Alsundkar, Asstt. Prof, Chemistry. Ladies Activity Co-ordinator - Prof. N.M. Mule, Asstt. Prof. I.T. Ladies Sports Co-ordinator – Prof. Shubhangi Karadkar, Asstt. Prof. Chemistry Cricket Co-ordinator - Prof. Y.D. Chavan, Asstt. Prof. I.T. Indoor Game Co-ordinator - Prof. S.V. Joshi, Asstt. Prof. Civil Triple Ball Co-ordinator – Prof. A. B. Chaudhary, Asst. Prof. IT. Athletics, Indian Game Co-ordinator – Shri. A.B. Chaudhari, Asst. Prof. I.T. Gymkhana Co-ordinator- Dr. S. K. Patil, Asso. Prof. Elect. Co-operative Society – Prof. N.V. Sali, Asso. Prof. Mech.
14	Disaster Management Committee	Chairman - Prof. U.L. Deshpande, Asstt. Prof. Applied Mech. Member - Prof. U.S. Patil, Asstt. Prof. Elect. Member - Shri. S.R. Gaikwad, Visiting Asst. Prof. Civil Member - Shri. Abhinandan. K. Jha, Visiting Asst. Prof. Mech. Member - Shri. S. K. Sadavarte, Visiting Asst. Prof. E & TC.
15	Academic Calendar	Chairman – Dr. K. N. Alsundkar, Asstt. Prof. Chemistry Member - Prof. U.V. Kanade, Asstt. Prof. Maths
16	Students Council	Prof. S. K. Patil, Asso. Prof. Elect.

17	Special Cell standing committee for welfare of BC candidates	Chairman- Dr. Y.M. Ghugal, HoD Applied Mech. Member – Prof. S.M. Shinde, Asstt. Prof. Maths. Member –Prof. Smt. S.B. Karadkar, Asstt. Prof. Chemistry
18	Industrial/Education Tour visits, Excretions, Nature Club	Prof. A.R. Acharya, Training & Placement Officer.
19	Parent / Teacher	All Heads of the Department
20	ISTE Chapter	Prof. Nikita Shetty, Asstt. Prof. Civil.
21	Staff Academy/ Staff welfare	Dr. Y.M. Ghugal, HoD Applied Mech.
22	Alumni Association & Career Vocational & Competitive exam. guidance	Chairman – Prof. A.R. Acharya, Asso. Prof. Mech. Member - Prof. Smt. G.S. Dhende, Asstt. Prof. Mech. Member - Prof. Smt. N.R. Shetti, Asstt. Prof. I.T. Member - Prof. S.H. Patil, Asstt. Prof. Mech. Treasurer – Prof. U.S. Patil, Asstt. Prof. Elect. .
23	Employee Grievances Committee	Chairman- Prof. S. K. Patil, Asso. Prof. Elect. Member – Prof. Smt. K. S. Gharge, Asstt. Prof. Mech. Member – Shri. A.Y. Barkade, Registrar Member – Shri. S.J. Nikam, Hamal.

*****

4. STAFF

4.1 List of faculties

Sr. No	Designation	Name of Officer
Civil Engg. Dept.		
1.	Associate Professor	Dr. S. S. Walunjkar
2.		Shri. B. A. Konnur
3.	Assistant Professor	Shri. A. B. Landage
4.		Shri. S. V. Joshi
5.		Smt. S. V. Lale
6.	Visiting Faculty	Mr. Saurabh Sunil Yadav
7.		Mrs. Rashmi P. Ambike
8.		Miss. Kashmira Bhimagonda Patil
9.		Mr. Abhijeet Hemkant Kulkarni
10.		Mr. Onkar Ramchandra Misal
11.		Mr. Tejas Mahendra Bansode
12.		Miss. M. M. Kumthekar
13.		Shri. Shekhar Raghunath Gaikwad
14.	Adjunct Professor	Dr. N. K. Chafalkar
Geology Dept.		
1	Assistant Professor	Shri. A. A. Bhondwe
Applied Mech. Dept.		
1.	Professor	Dr. Y. M. Ghugal
2.	Asso. Professor	Shri. U. L. Deshpande
3.		Shri. P. K. Deshpande
4.	Assistant Professor	Smt. V. M. Bogar
5.	Visiting Faculty	Pournima Baburao Shinde
6.		Mr. Sagar Vijay Shelar
7.		Miss. Chinmayee Arun Kulkarni
8.		Mr. Sandip Shivaji Kumbhar
9.	Adjunct Professor	Jayant Parshuram Patankar
10.		
Mech. Engg. Dept.		
1.	Professor	Dr. A. T. Pise
2.		Dr. R. K. Shrivastava
3.	Associate Professor	Dr. S. P. Deshmukh
4.		Dr. U. V. Pise
5.		Dr. A. R. Acharya
6.		Shri. N. V. Sali
7.		Shri. V. S. Jadhav
8.		Shri. V. B. Raka
9.	Assistant Professor	Smt. M. H. Yadav
10.		Smt. G. S. Dhende
11.		Smt. K. S. Gharge
12.		Smt. S. S. Jadhav

No.	Designation	Name
13.		Shri. S. H. Patil
14.		Abhinandan Kumar Jha
15.	Visiting Faculty	Mr. Vinayak H. Karande
16.		Mr. Degvijay V. Ghadge
17.		Mr. Devidas Manik Kolse
18.	Adjunct Professor	Mr. Prakash Raghunath Wani
19.		Mr. M. S. Kale
Elect. Engg. Dept.		
1.	Professor	Shri. V. B. Waghmare
2.		Dr. P. M. Joshi
3.		Dr. U. V. Patil
4.	Associate Professor	Dr. S. K. Patil
5.		Dr. S. H. Pawar
6.		Shri. S. V. Patil
7.		Smt. P. R. Jadhav
8.		Smt. U. S. Patil
9.	Assistant Professor	Smt. K. K. More
10.		Smt. S. A. Morkhade
11.		Shri. S. K. Mahindrakar
12.		Mr. Pravin Subhash Pawar
13.		Mrs. P. Ghadge (for Environment course)
14.	Visiting Faculty	Mr. Yogiraj B. Korsegaonkar
15.		Miss. Anuradha Shevale
16.		Miss. Karishma Mulani
E & T C Dept.		
1.	Professor	Dr. A. M. Sapkal
2.	Asso. Professor	Dr. A. R. Karwankar
3.	Asst. Professor	Shri. M. S. Sadavarte
4.		Mr. Aniket Prabhakar Joshi
5.		Miss. Supriya Sunil Kadam
6.		Miss. Komal Mahadev Masal
7.		Miss. Supriya Sunil Kadam
8.		Mr. Sudarshan Sarjerao Patil
9.		Miss. Pooja Sadanand Tanurkar
10.		Miss. Amita Navneet Shaha
11.		Miss. Amruta Umesh Mohite
12.	Visiting Faculty	Miss. Shital Pradip Dawane
13.		Mr. Mahesh Haridas Khedkar
14.		Mr. Sandipkumar Shivaji
15.		Mr. Santosh Gulabrao Chawan
16.		Dr. Mrs. Dipali Sunil Shinde
17.		Mr. Sachin Dattatray Shingade
18.		Mrs. Snehal Vishal Kumbhar
19.		Miss. Snehal Anand Ladi
20.		Miss. Shital Umakant Pawar

21.		Miss. Pournima Kawalkar
I. T. Dept.		
1.	Professor	Dr. S. J. Wagh
2.	Associate Professor	Dr. R. B. Kulkarni
3.	Assistant Professor	Smt. N. M. Mule
4.		Shri. R. M. Mavale
5.		Shri. Y. D. Chavan
6.		Shri. B. S. Yelure
7.		Shri. A. B. Chaudhari
8.		Shri. P. B. Jawade
9.		Smt. N. R. Shetti
10.		Shri. C. V. Andhare
11.	Visiting Faculty	Niranjan Shahaji Deokule
12.		Chaitanya Purushottam Garware
13.		Kunjali Rajesh Pawar
14.		Abhilasha Vijay Sathe
15.		Miss. Jyoti Dilip Takale
16.		Shri. Rajendra Bhimrao Pethkar
17.		Miss. Tejashree Milind Kore
18.		Miss. Pranali Dilip Sheth
19.		Miss. Sarita Vithhal Balshetwar
20.		Miss. Priyanka Tukaram Fasale
M. C. A. Dept.		
1.	Assistant Professor	Shri. B. S. Patil
2.		Smt. M. D. Malkauthekar
3.		Shri. L. L. Kumarwad
4.		Smt. P. P. Shinde
5.	Visiting Faculty	Sonali Vishal Patil
6.		Smita Pradip Patil
7.		Gayatri Bhausaheb Shinde
8.		Miss. Kaoser Salim Mujawar
9.		Mr. Salman Mansur Kagadi
10.		Mr. Sarjerao Shahajirao Ghatage
Physics & Chemistry Dept.		
1.	Assistant Professor Physics	Dr. Smt. S. A. Patil
2.	Assistant Professor Chemistry	Smt. S. B. Karadkar
3.	Assistant Professor Chemistry	Dr. K. N. Alsundkar
4.	Visiting Faculty Physics	Smt. Savita Babanrao Supugade
5.	Visiting Faculty Chemistry	Miss Snehal Phadtare Chemistry
6.	Visiting Faculty Chemistry	Miss. Vidula Patil Chemistry
Maths Dept.		
1.	Associate Professor	Dr. V. S. Patil
2.	Assistant Professor	Shri. S. M. Shinde
3.	Assistant Professor	Smt. U. V. Kanade
4.	Visiting Faculty	Mr. Prakash Ganpat Thorat
5.		Miss. Pooja Popatrao Humane

6.		Mukund Ramchandra Shiyekar

4.2 List of supporting staff

Staff list Class – 2

Sr. No	Designation	Name of Employee
1	Registar	Shri. A. Y. Barkade
2.	Registrar	Shri. Peraspure

Staff list Class – 3

संस्थेतीलकार्यरतअधिकारी / कर्मचारीयांचीयादी					
			माहे -	जानेवारी 2020	
अक्र	अधिकारी / कर्मचारीयांचेनांव सर्वश्री	स्थायी / अस्थायी		पदनाम	प्रवर्ग
वर्ग – 3					
1	**रिक्त**	स्थायी	1	कार्यालयअधिक्षक	------
2	श्रीमतीसुनितामधुकरजाधव	स्थायी	1	लघुलेखक	खुला
3	श्रीरमेशआनंदरावगायकवाड	स्थायी	1	प्रमुखलिपीक	खुला
5	श्रीप्रभाकरमल्लाप्पाशेडबाळे	स्थायी	2	वरिष्ठलिपिक	विमाप्र
7	श्रीमतीपुष्पायशवंतखाडे	स्थायी	5	वरिष्ठलिपिक	भज-क
8	श्रीशेखुरामशेखरवायदंडे	स्थायी	5	वरिष्ठलिपिक	अजा
10	श्रीमतीविजयाअनिलजाधव	अस्थायी	7	वरिष्ठलिपिक	खुला
11	श्रीमनोजनथुजीचुटे	स्थायी	1	कनिष्ठलिपिक	इमाव
12	श्रीसंजयदिनकरपवार(निलंबित)	स्थायी	2	कनिष्ठलिपिक	खुला
13	श्रीसचिनबाळासाहेबदेसाई	स्थायी	3	कनिष्ठलिपिक	खुला
14	श्रीनितीनरामचंद्रशिर्के	स्थायी	4	कनिष्ठलिपिक	इमाव
16	श्रीमती प्रणितानामदेवगटलेवार	स्थायी	6	कनिष्ठलिपिक	इमाव
17	श्रीपदमाकरसदानंदताले	अस्थायी	7	कनिष्ठलिपिक	इमाव
18	श्रीवामनसुरेशमुके	अस्थायी	8	कनिष्ठलिपिक	इमाव
19	श्रीधनाजीआत्मारामकांबळे	अस्थायी	9	कनिष्ठलिपिक	अजा
20	श्रीशशिकांतश्रीरंग शिंदे	स्थायी	10	लिपिक-नि-टंकलेखक	खुला
कर्मशाळातांत्रिकपदेवइतरअतांत्रिकपदे					
21	श्रीबबनबापूजाधव	स्थायी	1	कार्यदेश	अजा
22	श्रीनंदकुमारलक्ष्मणगिरी	स्थायी	1	प्रभारक	भज-ब
23	श्रीरविंद्रनामदेवरेंगडे	स्थायी	2	प्रभारक	अज

24	श्रीमधुकरदत्तात्रायशिंदे	स्थायी	1	निदेशकसर्व्हेउपकरणयांत्रिकी	अजा
25	श्रीसुभाषलक्ष्मणढगे	स्थायी	2	निदेशककातारी	विमाप्र
26	श्रीविनोदगणपतअडसुळे	स्थायी	3	निदेशकजोडारी	अजा
27	श्रीअशोकदुर्योधनशिंदे	स्थायी	4	निदेशकलोहार	खुला
28	श्री. मनिषतुळशीरामघोसे	स्थायी	5	निदेशकसुतार	इमाव
29	श्रीविक्रमसिंप्रभाकरदेवके	स्थायी	6	निदेशकयंत्रकारागीर	अजा
30	श्रीमहादेवपुनाजीलांघी	स्थायी	7	निदेशकसंधाता	अज
31	श्रीसंभाजीविष्णूकोळी	स्थायी	8	निदेशकनळनिपत्रेकारागीर	विमाप्र
32	श्रीजालींदरकृष्णासुतार	स्थायी	9	निदेशकबंधकार	इमाव
33	श्रीविकासजगन्नाथकदम	स्थायी	10	निदेशकसर्वसाधारणयांत्रिकी	अजा
35	श्रीसंदेशसुर्यकांतगुरव	स्थायी	12	निदेशकविद्युतउपकरणयांत्रिकी	इमाव
36	श्रीरमेशशामरावशिंदे	स्थायी	13	निदेशकविजतंत्री	खुला
37	श्रीबालाजीरावसाहेबमुस्तापुरे	स्थायी	14	निदेशकविजतंत्री	अजा
38	श्रीराहूलअशोकजाधव	स्थायी	15	निदेशकविजमिस्त्री	खुला
40	श्रीअरविंदहनुमंतरावभोज	स्थायी	1	डाटाएन्ट्रीऑप्. / प्रोग्रामर	इमाव
41	श्रीअनिलसुदामवाडते	स्थायी	1	ग्रंथपाल	भज-क
42	श्रीगहिनीनाथआनंदकाळे	स्थायी	2	सहा. ग्रंथपाल	भज-क
43	श्रीसज्जनलालमुन्नालालपरदेशी	स्थायी	1	भांडारपाल	इमाव
44	श्रीअमोलबाबाजीवसुले	स्थायी	2	भांडारपाल	इमाव
45	श्रीगणेशविलासजाधव	स्थायी	3	कनिष्ठश्रेणीभांडारपाल	विजा-अ
47	श्रीविजयकुमारगुणवंतपाटील	स्थायी	3	प्रयोगशाळासहाय्यक	खुला
48	श्रीशैलेंद्रगणपतरामोड	स्थायी	4	प्रयोगशाळासहाय्यक	अज
49	श्रीमतीस्मिताकेशवजांभळे	स्थायी	5	प्रयोगशाळासहाय्यक	इमाव
50	श्रीमतीश्रीमायागोंविदरावजाधव	स्थायी	6	प्रयोगशाळासहाय्यक	खुला
51	श्रीसोमनाथमच्छिंद्रनाथताटे	स्थायी	7	प्रयोगशाळासहाय्यक	खुला
52	श्रीविजयबबनमोरे	स्थायी	8	प्रयोगशाळासहाय्यक	खुला
53	श्रीदत्तारामरावचारोळे	स्थायी	9	प्रयोगशाळासहाय्यक	अज
54	श्रीअमरश्रीहरीचव्हाण	स्थायी	10	प्रयोगशाळासहाय्यक	अजा
55	श्रीमतीराधिकाराजेंद्रटाक	स्थायी	11	प्रयोगशाळासहाय्यक	अजा
56	श्रीरोहितमधुकरजाधव	स्थायी	12	प्रयोगशाळासहाय्यक	खुला
57	श्रीसुभाषमहादेवबामणे	स्थायी	13	प्रयोगशाळासहाय्यक	एनटी-सी
58	श्रीऋषेशअमरचंदराठोड	स्थायी	14	प्रयोगशाळासहाय्यक	खुला
59	श्रीनिलेशआनंदमेटे	स्थायी	15	प्रयोगशाळासहाय्यक	खुला
60	श्रीकमलाकरआण्णामोरे	स्थायी	16	प्रयोगशाळासहाय्यक	एनटी-सी
61	श्रीसंजयबबनरावबोराटे	स्थायी	17	प्रयोगशाळासहाय्यक	ओबीसी
62	श्रीविजयनंदकुमारमाणगांवकर	स्थायी	18	प्रयोगशाळासहाय्यक	एससी

	वर्ग - 4					
1	**श्री. पी. डी. नाळे**	स्थायी	1	शिपाई		इमाव
2	श्रीसुरेशनामदेवकांबळे	स्थायी	2	शिपाई		अजा
3	श्री. सुहासअशोकमिरजकर	स्थायी	3	शिपाई		अजा
4	श्रीविश्वासबाजीरावजाधव	स्थायी	4	शिपाई		खुला
5	श्री. आनंदादिनकरशिंदे	स्थायी	5	शिपाई		खुला
7	श्रीवसंतसोपानधुमाळ	स्थायी	1	हमाल		विमाप्र
8	श्री. मोहनराजारामजाधव	स्थायी	2	हमाल		खुला
9	श्री. अजिनाथश्रीरंगसाबळे	स्थायी	3	हमाल		भज-ड
10	श्री. आनंदारामचंद्रपवार	स्थायी	4	हमाल		खुला
11	श्री. जयवंतविठ्ठलकोळी	स्थायी	5	हमाल		विमाप्र
12	श्रीविष्णूबबनगायकवाड	स्थायी	6	हमाल		इमाव
13	श्री. मारुतीशंकररुपनर	स्थायी	7	हमाल		भज-क
14	श्री. राजेंद्रमहादेवपवार	स्थायी	8	हमाल		इमाव
15	श्री. विनायककिसनरावसंकपाळ	स्थायी	9	हमाल		खुला
16	श्री. बबनमल्हारेसुर्यवंशी	स्थायी	10	हमाल		खुला
18	श्री. अशोककोंडीबाकटरे	स्थायी	12	हमाल		भज-क
19	श्री. संतोषपांडुरंगकिर्वे	स्थायी	13	हमाल		इमाव
20	श्री. संजयजयवंतरावनिकम	स्थायी	14	हमाल		खुला
21	श्री. महिंद्ररामचंद्रबनसोडे	स्थायी	15	हमाल		अजा
23	श्री. चंद्रकांतसितारामपारगावकर	स्थायी	17	हमाल		अजा
24	श्री. हेमंतदत्तात्रयकुंभार	स्थायी	18	हमाल		इमाव
25	श्रीमतीआरडीचौगुले	स्थायी	19	हमाल		अजा
26	श्री. विजयकुमारराजारामलाडे	स्थायी	20	हमाल		अजा
27	श्री. अमरसुरेशकिरपेकर	स्थायी	21	हमाल		खुला
28	श्री. अशोकवसंतचव्हाण	स्थायी	22	हमाल		भज-ब
29	श्री. अमितबाबुरावपवार	स्थायी	23	हमाल		भज-ब
30	श्रीदत्तात्रायबाळकृष्णमाने	स्थायी	24	हमाल		अजा
31	श्रीतानाजीरखमाजीवायदंडे	स्थायी	25	हमाल		अजा
33	श्री. शशिकांतजनार्दनजाधव	स्थायी	27	हमाल		खुला
35	श्री. सुनीलदत्तप्रभाकरकुलकर्णी	स्थायी	1	ग्रंथपरिचर		खुला
36	श्री. राजेंद्रशंकरगंगावणे	स्थायी	2	ग्रंथपरिचर		अजा
48	श्रीरमेशलालापवार	स्थायी	1	सफाईगार		भज-ब

4.3 Awards and Honors

Sr. No.	Department	Name of the Faculty	Achievement
1	Applied Mechanics	Dr. Y. M. Ghugal	Recipient of outstanding Reviewer Award from Elsevier Publisher, UK., 2019
2			Received Best Paper Award for a paper "A New Higher Order Shear Deformation Theory for bending Analysis of Isotropic and Orthotropic Plates with Linear Thermal Loading". Authored by Sandhya K. Swamy and Ghugal, Y.M. Presented in *International Conference on Innovative Realms in Civil Engineering* (IRICE-2018), 24-25 January 2018. Organized by KDK College of Engineering and IE(I) Nagpur Local Centre, Nagpur.
3			Fellow of Institution of Engineers (India)
4			Google Scholar with h-index = 24 and i10-index = 45 and citations = 2207
1	Mathematics	Dr. V. S. Patil	Project Evaluator for Interdisciplinary Internship 'Ideas for New Normal', G S F C University, Vadodara, India.

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5. ACADEMIC PROGRAMMES

5.1 Programme offered

Undergraduate Programmes

Sr. No	Programme	Sanction Intake	Year of Starting	NBA Accreditation
1	Civil Engineering	60	1960	YES
2	Mechanical Engineering	60	1960	YES
3	Electrical Engineering	60	1960	YES
4	Information Technology	60	2001	YES
5	Electronics and Telecommunication	60	2007	No

Post Graduate Programmes

Sr. No	Programme	Sanction Intake	Year of Starting	NBA Accreditation
1.	M. Tech. (Structural Engineering)	25	1960	YES
2.	M. Tech. (Construction Management)	25	2005	YES
3.	M.Tech.(Production Engineering)	25	1967	YES
4.	M. Tech. (Heat Power Engineering)	25	1967	YES
5.	M. Tech. (Design Engineering)	25	2019	-
6.	M. Tech. (Power System)	25	2005	YES
7.	M. Tech. (Computer Science Engineering)			
8.	M. C. A	30	1992	YES

Ph. D. Research Center

Sr. No	Programme	Year of Starting
1	Civil Engineering	2011
2	Mechanical Engineering	2011
3	Electrical Engineering	2016

5.2 Admissions Procedure

State CET cell conducting the entrance examination. Seats are allotted as per inter-se merit. For this purpose the State CET cell shall invite applications, prepare a separate merit list for each category and admission procedure is carried centrally by Directorate of Technical Education (DTE) Maharashtra. Normally in the month of May MH- CET exam is organised for 12th passed out studets and score obatined in MH- CET exam is used for creating merit list which is used for admission in all UG-Engineering Courses. For all PG Engineering courses GATE score is used to create inter- se merit by DTE. Admission to PG coures are also done thorough cetralised counselling conducted by DTE. Noarmally in the month of July counselling is counducted by DTE for all PG engineering courses. The inatake capacity of all UG courses are 60. Also, Diploma studnets are directlty admitted in second year thrugh lateral enetry admission. Counselling for lateral entry admission are done through centralized counseeling by DTE on the basis of % marks obatined in respective diploma engineering branches/streams. Further details of admission procedure is available on: www.dtemaharashtra.gov.in.

5.3 Enrolment category wise with gender

Details of Admitted Students in First Year B.Tech. (FY)

Year 2019 - 2020

Branch	Open		SEBC		EWS		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Civil	10	3	10	5	4	1	12	5	1	0	2	1	0	1	1	2	1	0	8	2	4	0	73
Elect	7	3	12	7	4	1	12	5	0	2	1	1	1	1	2	2	0	0	7	1	4	0	73
E&TC	11	7	9	4	4	1	10	9	2	1	0	0	3	1	2	0	0	0	3	4	0	1	72
IT	13	6	9	6	3	1	9	9	0	0	2	0	1	0	1	1	1	0	4	3	2	1	72
Mech	14	4	11	3	6	0	17	3	0	0	1	1	0	0	2	1	2	0	5	3	2	0	75
UG Total	55	23	51	25	21	4	60	31	3	3	6	3	5	3	8	6	4	0	27	13	12	2	365
MCA	5	6	4	4	0	0	4	2	1	0	1	0	0	0	0	1	0	0	2	0	0	0	30
ME C&M	4	0	2	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	12
Stru	7	2	1	1	0	0	4	1	0	1	0	0	0	0	0	1	0	0	2	0	0	0	20
EPS	2	3	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	2	1	0	0	12
HP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prod	2	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	5
Comp. Sci & Engg.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Design Engg.	3	1	2	0	0	0	3	3	0	0	0	0	0	0	1	1	0	0	2	0	0	0	16
UG + PG	**78**	**36**	**60**	**32**	**21**	**4**	**72**	**41**	**5**	**4**	**7**	**3**	**5**	**3**	**10**	**9**	**5**	**0**	**36**	**16**	**12**	**2**	**461**

Details of Admitted Students in Second Year B. Tech. (SY)

Year 2019 - 2020

Branch	Open		SEBC		EWS		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Civil	15	11	1	0	0	0	18	4	0	1	1	1	1	0	1	1	0	0	7	3	3	0	68
Elect	15	11	0	1	0	0	13	6	0	1	2	1	1	0	1	1	2	0	7	2	1	1	66
E&TC	8	10	0	4	0	0	9	8	1	1	1	1	0	1	2	1	0	0	7	2	2	0	58
IT	16	10	0	2	0	0	12	4	0	3	1	1	1	2	4	0	0	1	5	7	0	0	69
Mech	16	8	0	1	0	0	17	3	1	0	3	1	2	0	4	1	1	0	4	3	0	1	66
UG Total	70	50	1	8	0	0	69	25	2	6	8	5	5	3	12	4	3	1	30	17	6	2	327
MCA	4	9	0	0	0	0	6	3	0	0	1	1	0	0	0	1	0	0	1	1	0	0	27
ME C&M	7	4	0	0	0	0	4	0	0	0	0	1	0	0	3	0	0	0	6	0	0	0	25
Stru	13	4	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	21
EPS	2	4	0	0	0	0	2	3	1	0	2	0	0	0	1	1	0	0	1	2	0	0	19
HP	8	3	0	0	0	0	4	0	1	0	0	0	0	0	2	1	0	0	3	0	0	0	22
Prod	1	0	0	0	0	0	3	0	0	0	0	0	1	0	1	0	0	0	2	0	1	0	9
UG + PG	**105**	**74**	**1**	**8**	**0**	**0**	**90**	**31**	**4**	**6**	**11**	**7**	**7**	**3**	**19**	**7**	**3**	**1**	**44**	**20**	**7**	**2**	**450**
PG Total	31	15	0	0	0	0	15	3	2	0	2	1	2	0	7	2	0	0	13	2	1	0	96

Details of Admitted Students in Third Year (TY)

Year 2019 - 2020

Branch	Open		SEBC		EWS		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Civil	18	9	0	0	0	0	16	5	1	0	6	0	2	0	0	0	0	1	4	2	1	2	67
Elect	17	11	0	0	0	0	16	6	0	0	0	0	1	0	2	2	1	0	5	4	1	3	69
E&TC	12	17	0	0	0	0	8	8	1	2	0	2	1	2	1	3	1	0	4	3	0	0	65
IT	13	15	0	0	0	0	15	7	0	2	2	0	0	1	2	0	0	0	9	4	0	1	71
Mech	18	8	0	0	0	0	15	7	3	0	4	0	1	0	3	0	1	0	8	2	2	0	72
UG Total	78	60	0	0	0	0	70	33	5	4	12	2	5	3	8	5	3	1	30	15	4	6	344
MCA	5	6	0	0	0	0	4	5	0	0	0	0	2	0	1	0	0	0	2	2	0	0	27
Total	**83**	**66**	**0**	**0**	**0**	**0**	**74**	**38**	**5**	**4**	**12**	**2**	**7**	**3**	**9**	**5**	**3**	**1**	**32**	**17**	**4**	**6**	**371**

Details of Admitted Students in Final YearB. Tech.

Year 2019 - 2020

Branch	Open		SEBC		SEBC		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Civil	17	13	0	0	0	0	10	7	0	0	2	0	2	1	3	1	3	0	5	2	3	0	69
Elect	20	11	0	0	0	0	10	7	2	3	2	0	0	0	1	1	2	0	4	6	2	0	71
E&TC	18	18	0	0	0	0	8	6	1	1	1	0	0	1	0	1	1	1	4	5	2	2	70
IT	18	10	0	0	0	0	6	12	0	2	1	1	1	1	1	1	0	0	4	5	0	1	64
Mech	23	8	0	0	0	0	13	5	0	1	1	0	1	2	2	1	1	0	5	1	1	0	65
Total	**96**	**60**	**0**	**0**	**0**	**0**	**47**	**37**	**3**	**7**	**7**	**1**	**4**	**5**	**7**	**5**	**7**	**1**	**22**	**19**	**8**	**3**	**339**

5.4 Admission statistics

ADMISSION DETAILS B.TECH. (First Year to Final Year) 2019-20

	Open		SEBC		SEBC		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	299	193	52	33	21	4	246	126	13	20	33	11	19	14	35	20	17	3	109	64	30	13	1375
	60.77	39.23	61.18	38.82	84.00	16.00	66.13	33.87	39.39	60.61	75.00	25.00	57.58	42.42	63.64	36.36	85.00	15.00	63.01	36.99	69.77	30.23	100
TOTAL	492		85		25		372		33		44		33		55		20		173		43		1375
% TOTAL	35.78		6.18		#DIV/0!		0.00		2.40		3.20		2.40		4.00		1.45		12.58		3.13		#DIV/0!

ADMISSION DETAILS M.TECH. (First Year to Final Year) 2019-20

	Open		SEBC		SEBC		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	49	22	5	3	0	0	23	11	3	1	2	1	2	0	9	4	1	0	20	5	1	0	162
	69.01	30.99	62.50	37.50	0.00	0.00	67.65	32.35	75.0	25.0	66.67	33.33	100.0	0.0	69.23	30.77	100.00	0.0	80.00	20.00	100.0	0.0	100.0
TOTAL	71		8		0		34		4		3		2		13		1		25		1		162
% TOTAL	43.83		4.94		#DIV/0!		20.99		2.47		1.85		1.23		8.02		0.62		15.43		0.62		#DIV/0!

ADMISSION DETAILS MCA (First Year to Final Year) 2019-20

	Open		SEBC		SEBC		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
	14	21	4	4	0	0	14	10	1	0	2	1	2	0	1	2	0	0	5	3	0	0	84
	40.00	60.00	50.00	50.00	0.00	0.00	58.33	41.67	100	0.00	66.67	33.33	100.00	0.00	33.33	0.00	0.00	0.00	62.50	0.00	0.00	0.00	100.00
TOTAL	**35**		**8**		**0**		**24**		**1**		**3**		**2**		**3**		**0**		**8**		**0**		**84**
% TOTAL	41.67		9.52		#DIV/0!		28.57		1.19		3.57		2.38		3.57		0.00		9.52		0.00		#DIV/0!

ADMISSION DETAILS B.TECH. + M.TECH. + MCA (First Year to Final Year) 2019-20

	Open		SEBC		EWS		OBC		SBC		VJ		NT1		NT2		NT3		SC		ST		Total
	M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
MALE	362		61		21		283		17		37		23		45		18		134		31		1032
FEMALE		82		3		0		48		8		2		5		9		1		24		3	185
TOTAL	444		64		21		331		25		39		28		54		19		158		34		1217
% TOTAL	36.48		5.26		#DIV/0!		27.20		2.05		3.20		2.30		4.44		1.56		12.98		2.79		**#DIV/0!**

5.5 Students strength

B. Tech. UG Students

	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	Total
Civil	48	36	56	21	2	1	#REF!	2	5	2	5	4	4	1	24	9	11	2	277
Elect	59	36	51	24	2	6	5	2	3	1	6	6	5	0	23	13	8	4	279
E&TC	49	52	35	31	5	5	2	3	4	5	5	5	2	1	18	14	4	3	265
IT	60	41	42	32	0	7	6	2	3	4	8	2	1	1	22	19	2	3	276
Mech	71	28	62	18	4	1	9	2	4	2	11	3	5	0	22	9	5	1	278
Total	287	193	246	126	13	20	#REF!	11	19	14	35	20	17	3	109	64	30	13	1375

M. Tech. PG Students

	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	TO
ME C&M	11	4	4	2	1	0	0	0	0	0	3	0	0	0	6	2	0	0	33
Stru	20	6	6	4	0	1	0	0	1	0	0	2	0	0	3	2	0	0	45
EPS	4	6	3	1	1	0	2	0	0	0	1	1	1	0	3	1	0	0	24
HP	8	0	4	0	1	0	0	0	0	0	2	0	0	0	3	0	0	0	18
Prod	3	0	3	1	0	0	0	0	1	0	2	0	0	0	3	0	1	0	14
Total	46	16	20	8	3	1	2	0	2	0	8	3	1	0	18	5	1	0	134

M.Tech. PG Students

	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	BOYS	GIRL	TO
MCA	14	21	14	10	1	0	2	1	2	0	1	2	0	0	5	3	0	0	84

	UG			PG	
	Boys	Girls		Boys	Girls
Civil	#REF!	78	ME C&M	25	8
Elect	162	92	Stru	30	15
E&TC	124	119	EPS	15	9
IT	144	111	HP	18	0
Mech	193	64	Prod	13	1
Total	#REF!	464	Total	101	33

MCA		
	Boys	Girls
MCA	39	37
Total	39	37

5.6 Fees and scholarships and stipend

Fee structure of B. Tech. (All branches)

	FIRST YEAR	SECOUND YEAR	THIRD YEAR	FINAL YEAR
TUTION FEE	15000	15000	15000	15000
DEVLAPMENT FEE	39850	39850	32500	29614
OTHER FEE	26000	26000	26000	22231
CMD	1000	0	0	0
Id card	100	0	0	0
ALUMINI FEE	125	125	125	125
INSURANCE FEE	701	0	0	0
UNIVERSITY FEE	285	285	285	285
ISTE FEE	250	0	0	0
EZAMINATION FEE	2000	2000	2000	2000
LIVING CERTIFCATE FEE	50	0	0	0
TOTAL FEE	**85,361**	**83,260**	**75,910**	**69,255**

Fee structure of M. Tech. (All branches)

	FIRST YEAR	SECOUND YEAR
TUTION FEE	15000	15000
DEVLAPMENT FEE	39850	39850
OTHER FEE	26000	26000
CMD	1000	0
Id CARD	100	0
ALUMINI FEE	250	250
INSURANCE FEE	234	234
UNIVERSITY FEE	285	285
ISTE FEE	150	0
EXAMINATION FEE	3000	3000
LIVING CERTIFCATE FEE	50	0
TOTAL FEE	**85,919**	**84,619**

Fee Structure of M. C. A.

	FIRST YEAR	SECOUND YEAR	THIRD YEAR
TUTION FEE	4000	4000	4000
DEVLAPMENT FEE	8740	8740	6000
OTHER FEE	17400	17400	17400
CMD	1000	0	0
ID CARD	100	0	0
ALUMINI FEE	167	167	167
INSURANCE FEE	454	0	0
UNIVERSITY FEE	285	285	285
ISTE FEE	200	0	0
EZAMINATION FEE	1500	15000	1500
LIVING CERTIFCATE FEE	50	0	0
TOTAL FEE	**33,896**	**45,592**	**29,352**

Scholarships

Scholarship given by	Applicable to category	Name of the Scholarship
Directorate of Technical Education	**General**	Dr. Punjabrao Deshmukh Vastigruh Nirvah Bhatta (DTE)
		Rajarshi Chhatrapati Shahu Mahraj Shikshan Shulkh Shishyavrutti Yojna (EBC)
		Scholarship for students of minority communities pursuing Higher and professional courses
Social Justice and Special Assistance	**SC**	Govermnent of India Post-Matric (**Scholarship**)
		Maintenance Allowance ofr student Studying in Professional courses
		Post-Mateic Scholarship for persons with Disability
		Post-Mateic Tuition Fee and Examination Fee (Freeship)
Tribal Development Department	**ST**	Post Matric Scholarship Scheme (Government of India) (**Scholarship**)
		Vocational Education Fee Reimbursement
		Vocational Education Maintenance Allowance
OBC, SEBC, VJNT, & Welfare Department	**OBC, SEBC, VJNT**	Maintenance Allowance VJNT, SBC
		Post matric scholarship OBC
		Post matric scholarship SBC
		Post matric scholarship VJNT
		Tuition fees and Examination fees to OBC Students Freeship
		Tuition fees and Examination fees to SBC Students Freeship
		Tuition fees and Examination fees to VJNT Students Freeship
NSP Minority		Scholarship for students of minority communities pursuing Higher and professional courses

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6. ANNUAL BUDGET

The focus of the budget for this year is mainly on developing research and development facilities and providing academic ambience to the students and faculty.

6.1 Highlights

1. Promoting interdisciplinary research by creating interdisciplinary Center of Excellence Laboratory, Robotics, IOT, Virtual Lab, Cloud Computing

2. Improvingambience,creationofnewfacilit iesintheformofbuildingandrefurbishment& advancedequipment's / latest software's have been considered.

3. StategovernmentreleasedfundsandPWDs tartedconstructionofnewLibraryandElectro nics&Telecommunication buildings and construction of proposed SC/ST hostel. 4. To improve the facelift of the institution, garden development, eco-friendly & smart campus

6. Major & minor research projects provision has been made under R & D7. Enhancement of industry institute interaction through student Internship at all levels

8. Rate contract for frequently required consumables

9. To enhance employability and higher education skills by Gate classes, employability enhancement programs.

10. HeavyBudgetaryprovisionismadeofover alldevelopmentofthestudentsunderstudentc lubs,studentscenter activities, computations participation in National/International events

11. Activities are proposed in twining program for Rajkiya College of Engineering Ajamgarh, U.P. under TEQIP III.

12. National & International seminars / workshops / conferences / FDP / CEP have been proposed.

13. Solarroof/testing&researchlabwillbedev elopedthroughMEDA/MNREandStateGovt .fundsorinstitutes funds

14. Gymkhana / Student Activity Center / Playground Development through DSO & Institute funds.

15. Surveillance & security for whole campus through CCTV camera.

16. Academic enrichment through services of industry / academicians/ emeritus / adjunct / visiting faculties.

6.2 Income and expenditure statement

BUDGETED INCOME & EXPENDITURE FOR THE YEAR 2019-2020

Components of Income/ Expenditure	Total Corpus Fund (F1)		Designated Funds											TOTAL	Technical Education Quality Improvement Programme	State Govt Assistance	Central Assistance	GRAND TOTAL	Previous Year Total
	Corpus Fund	Accumulated	Faculty Development (F2)	Equipment Replacement (F3)	Maintenance (F4)	Institute Development (F5)	Salary (F6)	Gymkhana	Library	Training & Placement	Internet	Hostel	Exam Fee						
Income																			
Opening Balance	443.02	275.00	243.47	659.03	63.53	274.43	375.93	66.29	188.09	60.27	167.35	38.77	68.46	2923.65	0	0	0	2923.65	2082.97
Academic Receipts	92.24		76.45	335.27	50.97	101.93	251.24	42.65	115.05	29.29	82.15	59.21	42.36	1278.80				1278.80	1293.19
Grants & Donations														0.00	443.51	1590.75	372.67	2406.93	0.00
Income from investments	28.80		15.83	42.84	4.13	17.84	24.44	4.31	12.23	3.92	10.88	2.52	4.45	172.16				172.16	4.12
Other Incomes			14.61	14.61	25.12									54.34				54.34	11.12
TOTAL (A)	564.06	275.00	350.36	1051.76	143.74	394.20	651.60	113.25	315.36	93.48	260.38	100.49	115.27	4428.95	443.51	1590.75	372.67	6835.88	3391.41
Expenditure																			
Staff Payments: Salary			155.90				160.95							316.85	28.80	1500.00		1845.65	141.95
Staff Benefits							255.93							255.93	101.73		251.87	609.53	0.23
Academic Expenses: Recurring						35.86		34.05	114.86		26.00			210.77	90.25	71.01	16.80	388.83	10.73
Academic Expenses: Non Recurring	550.36	275.00		610.22		50.90		15.50	5.63		34.90	52.60		1595.11		19.74	104.00	1718.85	129.63
Administrative and General Expenses										68.20				68.20				68.20	6.09
Repairs & maintenance					212.14				1.03			47.37		260.54	1.50			262.04	83.17
Other Expenses						24.12		70.46					13.81	108.39	221.23			329.62	95.97
TOTAL (B)	550.36	275.00	155.90	610.22	212.14	110.88	416.88	120.01	121.52	68.20	60.90	99.97	13.81	2815.77	443.51	1590.75	372.67	5222.70	467.76
Balance being excess of	13.71	0.00	194.46	441.54	-68.40	283.32	234.72	-6.76	193.84	25.28	199.48	0.52	101.46	1613.18	0.00	0.00	0.00	1613.18	2923.65

(Figures in Lakh)

6.3 Budget allocation

Sr. No.	Department	State Govt Plan (In Lacs)	State Govt Non-Plan	Institute level fund	Equipment replacement fund	Refurbishment
1	Civil	0.89	-	20.60	25.09	3.40
2	Mechanical	1.20	-	64.45	85.475	17.21
3	Elect	5.01	-	49.90	41.1	0.56
4	IT	1.43	-	26	38.89	-
5	ENTC	0.59	-	14.5	26.9	-
6	MCA	2.00	-	22.42	42.23	-
7	Applied mechanics	-	-	40.18	43.26	5.84
8	Workshop	0.65	-	2.00	31.68	-
9	Mathematics	-	-	1.80	-	5.36
10	Physics	1.14	-	1.90	3.71	-
11	Chemistry	1.60	-	8.40	1.00	-
12	Office	0.80	-	-	39.60	-
13	Civil Works	335	-	251.27	-	-
14	Library	6	-	-	-	-
15	Gymkhana	-	-	29.2	-	-
16	Institute	-	-	-	-	62.46
17	Clubs	-	-	45.53	-	
18	Salary, Traveling expences, office expences, Electric and telephone and water taxes, contractual services PP and SS, Material supplies	1410.7	-	-	-	-

6.4 TEQIP – III

Institute successfully completed second phase of World Bank aided Technical Education Quality Improvement Programme (TEQIP II) Project in the year 2016. Based on its excellent performance in second phase, the institute is selected for implementation of third phase of TEQIP (TEQIP III) in the year 2017.

Total project allocation is Rs. 700 +70lakhs. Under third phase institute modernized its laboratories by adding sophisticated equipment. The establishment of interdisciplinary laboratories is under progress.

- 2nd performance audit got 1.06 score and 1st in state level.
- 11 smart classrooms are set up.
- 21 Digital Boards for improvement in teaching learning process.
- Students were encouraged to undertake R and D projects by providing them financial aid. Financial aid up to Rs.20, 000 and Rs.50, 000 is given to undergraduate and post graduate projects, respectively.
- Regular technical tours were conducted for all classes. Industry experts and academic experts from premier institutes were called to deliver lectures to students.

- Organized National level Hackathon (Smart India Hackathon) with 50 groups (6 to 7 members) is participated and 12 groups are nominated for national level Hackathon
- Students are regularly participating in national level technical compilations like Hackathon, Epicycle etc.
- Induction Programme is conducted for first year students immediately after their admission.
- Employability skill test is conducted for all students. Third year IT, Electrical and ENTC students participated in students learning survey conducted by Stanford University for continuously two years. Students were trained in soft skills by reputed professional agencies.
- GATE training is also provided third and final year students from professional agencies. In academic year 2019-20. 100% students GATE training and 21.33 % student gate valid score.
- 22 faculty development Programmes are conducted in all branches. These Programmes

- benefitted faculties from all over Maharashtra and neighboring states.
- 02 International Conference are conducted with more than 534 participated.
- Financial aid is extended to faculty for their higher studies 05 faculties' members are pursing PhD under TEQIP.
- Senior faculty members are sponsored to participate in management development Programmes conducted by IIMs. All faculty members are participating in various seminars and conferences conducted throughout the country due to which faculty research publications is considerably improved.
- Under TEQIP 06 patent are filled and 01 paten awarded.
- International journal-51, National Journal- 11, International Conference-49, National Conference-31.

- Institute is extending all support to its mentee institute. Number of senior faculty visited REC Ajamgarh and guided them to implement TEQIP project.
- Under our guidance mentee institute conducted induction Programme and uploaded the SAR for Civil and Mechanical branches.
- GCEK organized more than 07 training programs in collaboration with REC Azamgarh.
- Under twining 2 collaborative research project ongoing (CARE Lab and ECO Enzymes)
- Training and placement cell have assisted in improving placements.
- Under twinning activities 32 students are participated in technical program and different WS/training programs.
- Civil, Mech and IT department joint research project under graduation students.

TEQIP activities 2019-20 at a glance

Sr. No	Item/Activity	Expenditure (amount in Lakh)	No of Events/No of Equip/soft.	No of Beneficiary
1	Equipment's purchase	131.01	16	
2	Software Purchase	49.30	04	
3	FDP/STTP/Seminar/Webinar Conducted	37.4	22	535
4	Faculty attended FDP/STTP/Seminar/Webinar	3.2	21	49

5	National Internationals conferences/Webinar/Seminar	13.56	02	534
6	Staff Training Program	1.35	04	16
7	Industrial Visit	1.80	09	520
8	Expert lecture	0.27	09	540
9	Incubation and Startup Activity	0.55	05	635
10	Management capacity development program	1.90	03	04
11	Students workshop under ISL	4.58	16	768
12	Internship training program	19.56	09	594
13	Students attended WS/Conference/Seminar	2.56	13	29
Total		267.04 lakhs	-	4224 participants

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7. RESEARCH & DEVELOPMENT

7.1 Ph. D. Programme

Sr. No.	Department	Name of Guide	No. of Students
1	Mechanical	Dr. A. T. Pise	4
		Dr. S. S. Mohite	5
		Dr. R K Shrivastava	3
		Dr. S. P. Deshmukh	
		Dr. U. V. Pise	
2	Electrical	Dr. P. M. Joshi	8
		Dr. U. V. Patil	3
3	Applied Mechanics	Dr. Y. M. Ghugal	5
4	IT	Dr. S. J. Wagh	5
		Dr. R. B. Kulkarni	4
5	Civil	Dr. S. S. Valunjkar	2
		Dr. N. B. Chaphalkar	1
6	Mathematics	Dr. V. S. Patil	2

7.2 Seminar/ Symposia / Summer / Winter school organized

Sr. No.	Activity (Viz. trainings/workshops/ seminars etc.)	Title of Activity	Scheduled		Venue	No of Beneficiaries
			From	To		
1	Workshops/STTP	GIS and Remote Sensing	27th January 2020	31st January 202	GCEK	--
2.	Workshops/STTP	MATLAB and its Applications in Civil Engineering & Science	27th April, 2020	30th April, 2020	GCEK	--
	Workshops/STTP	Machine & Deep Learning and its Applications in Engineering & Science	16th May, 2020	20th May, 2020	GCEK	--
	Conference	4th International Conference on Advances in Civil & Structural Engineering	May 28, 2020	May 30, 2020	GCEK	--
	Workshops/STTP	Geoscience	9th June 2020	13th June 2020	GCEK	--
	Workshops/STTP	Advances in Civil & Structural Engineering	June 2020.	June 2020.	GCEK	--
	Workshops/STTP	Remote Sensing and GIS Applications in Engineering and Science	27th January 2020	31 January 2020	GCEK	--
	Workshops/STTP	Machine & Deep Learning and its Applications in Engineering & Science	16th May, 2020	20th May, 2020	GCEK	--
	Workshops/STTP	Basic Principles of Remote Sensing Technology	April 13, 2020	April 25, 2020	GCEK	--
	Workshops/STTP	Advance Survey by Total Station	15th February 2020	17th February 2020	GCEK	--
	Workshops/STTP	Recent Trends in VLSI Technology and Digital ASIC design using CMOS EDA Tool	11th November 2019	16th November 2019	GCEK	--
	Workshops/STTP	Practical Integrated Antennas- Designing, Analysis and Simulation	4th March 2019	8th March 2019	GCEK	--
	Workshops/STTP	SIGNAL, IMAGE & VIDEO PROCESSING: A PRACTICAL APPROCH (SIVPAPA-2020)	26th May 2020	30th May 2020	GCEK	--
	Workshops/STTP	One Week Short Term Training Program (STTP) on **"Computational Tools: MATLAB, Python and Mathematica"**	23rd December	27th December2019	GCEK	--

7.3 Seminar/ Symposia / Summer / Winter school attended by faculty

Sr. No.	Training mode	Title of training	Name of Faculty	Broad area of training	From Date	To date	Held at	Participants (Nos.)
1	Workshop/STTP	Case Preparation & Case Writing	Prof. S. S. Valunjkar	Case Preparation & Case Writing	3rd January 2020	7th January 2020	IIT Delhi	--
2	Workshop/STTP	Digital Transformation in Teaching Learning Process	Prof. S. S. Valunjkar	Digital Transformation in Teaching Learning Process	February 2020	February 2020	GCEK	--
3	Workshop/STTP	GIS & Remote Sensing Applications in Engineering & Science	Prof. B. A. Konnur	GIS & Remote Sensing Applications in Engineering & Science	27th January	31st January	GCEK	--
4			Prof. A. B. Landage					
5			Prof. S. V. Joshi					
6			Prof. K. B. Patil					
7			Prof. A. H. Kulkarni					
8	Workshop/STTP	Communities at Risk and Disaster: An Interdisciplinary Perspective	Prof. A. B. Landage	Communities at Risk and Disaster: An Interdisciplinary Perspective	24th February 2020	28th February 2020	IIT Delhi	--
9	Workshop/STTP	GIS & Remote Sensing Applications in Engineering & Science	Prof. S. V. Joshi	GIS & Remote Sensing Applications in Engineering & Science	27th January	31st January	GCEK	--
10			Prof. K. B. Patil					
11			Prof. T. M. Bansode					
12			Prof. A. H. Kulkarni					
13	Workshop	Remote Sensing and GIS applications in Coastal and Ocean Sciences	Prof. A. A. Bhondwe	Remote Sensing and GIS applications in Coastal and Ocean Sciences	May to July 2019 (8-week Course)	May to July 2019 (8-week Course)	Indian Institute of Remote Sensing (IIRS) Dehradun	—
14	Workshop	Geosciences in Engineering GiE 20	Prof. S. R. Gaikwad	Geosciences in Engineering GiE 20	June 9th 2020	June 13th 2020	GCEK	--
15			Prof. S. S. Yadav					

16			Prof. R. P. Ambike					
17			Prof. K. B. Patil					
18			Prof. T. M. Bansode					
19			Prof. M. M. Kumthekar					
20	Workshop	Mechanics of Composite Materials and Structures	Prof. K. B. Patil	Mechanics of Composite Materials and Structures	30th December 2019	3rd January 2020	GCEK	--
21			Prof. A. H. Kulkarni					
22	Workshop	MATLAB and its Applications in Civil Engineering & Science	Prof. K. B. Patil	MATLAB and its Applications in Civil Engineering & Science	27th April, 2020	30th April, 2020	GCEK	--
23			Prof. T. M. Bansode					
24			Prof. O. R. Misal					
25	Workshop	Machine & Deep Learning and its Applications in Engineering & Science	Prof. K. B. Patil	Machine & Deep Learning and its Applications in Engineering & Science	16th May, 2020	20th May, 2020	GCEK	--
26			Prof. A. H. Kulkarni					
27			Prof. T. M. Bansode					
28	Workshop	LaTeX Training	Prof. K. B. Patil	LaTeX Training	6th May 2020	6th May 2020	IIT Bombay	—
29			Prof. A. H. Kulkarni					
30	Workshop	LaTeX Training	Prof. K. B. Patil	LaTeX Training	27th April 2020	02nd May 2020	IIT Bombay	—
31			Prof. A. H. Kulkarni					
32	Workshop	Recent Advances in Civil Engineering	Prof. O. R. Misal	Recent Advances in Civil Engineering	2nd June, 2020	7th June, 2020	VJTI, Mumbai	
33			Prof. M. M. Kumthekar					
34	Workshop	Steps Toward Problem and Project Based Learning for Academic Excellence	Prof. O. R. Misal	Steps Toward Problem and Project Based Learning for Academic Excellence	9th to 13th June, 2020	9th to 13th June, 2020	KIT, Kolhapur	—
35	Workshop	Outcome Based Education: A Step Towards Excellence	Prof. O. R. Misal	Outcome Based Education: A Step Towards Excellence	11th to 15th May, 2020	11th to 15th May, 2020	GCEK	--
36	Workshop	Effective Research Writing Skills and Publication	Prof. M. M. Kumthekar	Effective Research Writing Skills and Publication	May 22 2020	May 22 2020	Shri Chhatrapati Shivajiraje	—

							College of Engineering	
37	Workshop	Advances in Civil Engineering	Prof. M. M. Kumthekar	Advances in Civil Engineering	May 26 to May 30	May 26 to May 30		
38		1. Academic Writing and IPR	Mr. Aniket Prabhakar Joshi	Academic Writing and IPR	8th June 2020	12th June 2020		
39			Miss. Supriya Sunil Kadam					
40		2. Recent Advances in Modeling and Optimization Techniques	Miss. Komal Mahadev Masal	Recent Advances in Modeling and Optimization Techniques	1st June 2020	5th June 2020		
41			Supriya Sunil Kadam					
42			Mr. Sudarshan Sarjerao Patil					
43			Miss. Pooja Sadanand Tanurkar					
44	Webinar/STTP	3. A Smart and Sustainable World in Concrete and Structures	Miss. Amita Navneet Shaha	A Smart and Sustainable World in Concrete and Structures	4th June 2020	8th June 2020		
45			Miss. Amruta Umesh Mohite					
46			Miss. Shital Pradip Dawane					
47		4. OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE	Mr. Mahesh Haridas Khedkar	OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE	11th May 2020	15th May 2020		
48			Mr. Sandipkumar Shivaji Bhandare					
49			Mr. Santosh Gulabrao Chawan					
50			Dr. Mrs. Dipali Sunil Shinde					

51		5. Machine Learning and Deep Learning Applications in Engineering & Science	Mr. Sachin Dattatray Shingade	Machine Learning and Deep Learning Applications in Engineering & Science	16th May 2020	20th May 2020		
52			Mrs. Snehal Vishal Kumbhar					
53			Miss. Snehal Anand Ladi					
54		6. Outcome Based Education Software	Miss. Shital Umakant Pawar					
55			Miss. Pournima Kawalkar	Outcome Based Education Software	4th June 2020	4th June 2020		
56		7. Research Opportunities in Electrical Engineering	Mr. Aniket Prabhakar Joshi	Research Opportunities in Electrical Engineering	May 7, 2020	May 16, 2020		
57			Miss. Supriya Sunil Kadam					
58			Miss. Komal Mahadev Masal					
59		8. MATLAB APPLICATIONS IN ENGINEERING AND SCIENCE	Supriya Sunil Kadam		27th April 2020	01st May 2020		
60	Webinar/STTP		Mr. Sudarshan Sarjerao Patil	MATLAB APPLICATIONS IN ENGINEERING AND SCIENCE				
61			Miss. Pooja Sadanand Tanurkar					
62			Miss. Amita Navneet Shaha					
63		9. Computational Tools and Techniques: MATLAB, ANSYS	Miss. Amruta Umesh Mohite	Computational Tools and Techniques: MATLAB, ANSYS	27thApril 2020	1st May, 2020		
64			Miss. Shital Pradip Dawane					

65		10. Data Science using R Programming	Mr. Mahesh Haridas Khedkar	Data Science using R Programming	12th June 2006	17th June 2006			
66			Mr. Sandipkumar Shivaji Bhandare						
67			Mr. Santosh Gulabrao Chawan						
68		11. Advances in Civil and Structural Engineering	Dr. Mrs. Dipali Sunil Shinde	Advances in Civil and Structural Engineering	15th June – 2020	19th June 2020			
69			Mr. Sachin Dattatray Shingade						
70			Mrs. Snehal Vishal Kumbhar						
71		12. Technology towards common man	Miss. Snehal Anand Ladi	Technology towards common man	10th June 2020	13th June 2020			
72			Miss. Shital Umakant Pawar						
73			Miss. Pournima Kawalkar						
74	Webinar/STTP	13. Writing High-Impact Research Papers, Effectively & Efficiently	Mr. Aniket Prabhakar Joshi	Writing High-Impact Research Papers, Effectively & Efficiently	4th June 2020	6th June 2020			
75			Miss. Supriya Sunil Kadam						
76			Miss. Komal Mahadev Masal						
77			Supriya Sunil Kadam						
78		14. Future Advancements and Applications of Internet of Things	Mr. Sudarshan Sarjerao Patil						
79			Miss. Pooja Sadanand Tanurkar						

80		15. Epitome of Tax Saving Tips	Miss. Amita Navneet Shaha	Future Advancements and Applications of Internet of Things	12th June 2020	14th June 2020		
81			Miss. Amruta Umesh Mohite					
82			Miss. Shital Pradip Dawane					
83			Mr. Mahesh Haridas Khedkar	Epitome of Tax Saving Tips	16thJune 2020	16thJune 2020		
84			Mr. Sandipkumar Shivaji Bhandare					
85			Mr. Santosh Gulabrao Chawan					
86		16. Emerging Techniques in Library and Information Management in Digital Era	Dr. Mrs. Dipali Sunil Shinde	Emerging Techniques in Library and Information Management in Digital Era	8th June 2020	12th June 2020		
87			Mr. Sachin Dattatray Shingade					
88			Mrs. Snehal Vishal Kumbhar					
89			Miss. Snehal Anand Ladi					
90			Miss. Shital Umakant Pawar					
91			Miss. Pournima Kawalkar					
92	STTP	SIGNAL, IMAGE SIVPAPA-2020	Dr. A. M. Sapkal	SIGNAL, IMAGE	26th May 2020	30th May 2020	GCEK	—
93			Prof. M. S. Sadavarte					
94			Dr. A. R. Karwankar					
96	STTP	Recent Trends in VLSI Technology and Digital	Dr. A. M. Sapkal	Recent Trends in VLSI Technology and Digital	11th November 2020	16th November 2020		
97			Dr. A. R. Karwankar					

		ASIC design using CMOS EDA Too		ASIC design using CMOS EDA Too				
98		Practical Integrated Antennas- Designing, Analysis and Simulation	Dr. A. M. Sapkal	Practical Integrated Antennas- Designing, Analysis and Simulation	4th March 2019	8th March 2019		
99	FDP	Digital Forensics and Security Research	Dr. A. R. Karwankar	Digital Forensics and Security Research	25th April 2020	29th April 2020	GCEK	—
100			Prof. M. S. Sadavarte					
101	FDP	Faculty Awareness Program on NBA	Dr. A. R. Karwankar	NBA	13th May 2020	13th May 2020	Bharati Vidyapeeth College of Engineering, Navi Mumbai	—
102	STTP	Digital Transformation in Teaching Learning Process	Dr. A. R. Karwankar	Digital Transformation in Teaching Learning Process	06th April 2020	24th April 2020	SWAYAM	
103	FDP	Machine learning Module-I	Dr. A. R. Karwankar	Machine learning Module-I	02nd May 2020	02nd May 2020	Deltiin India Tech Pvt. Ltd	
104	FDP	AI and ML	Dr. A. R. Karwankar	AI and ML	16th May 2020	20th May 2020	GCEK	—
105			Prof. M. S. Sadavarte					
106	Workshop	Ethical Hacking	Dr. A. R. Karwankar	Ethical Hacking	11th April 2020	11th April 2020	Edureka	
107	FDP	Outcome Based Education: A Step Towards Excellence	Dr. A. R. Karwankar	Outcome Based Education: A Step Towards Excellence	11th May 2020	15th May 2020	GCEK	—
108			Prof. M. S. Sadavarte					
109	FDP	MATLAB and Ansys	Dr. A. R. Karwankar	MATLAB and Ansys	27th April 2020	1st May 2020	GCEK	—
110			Prof. M. S. Sadavarte					
111	STTP	Enhancing Teaching Learning Process and Research Skills	Dr. S. H. Pawar	Enhancing Teaching Learning Process and Research Skills				

7.4 Research projects

Sr. No.	Name of the Student	Name of the Guide	Title of the Project	Affiliating Institute
1	Nilesh Kumbhar	Dr. A. T. Pise	Plastic Dervied Oil as Fuel for IC Engine	Govt. College of Engineering, Karad
2	Hemant Kadam	Dr. A. T. Pise	Enahancement of flow Boiling in Presence of Surfactant	Govt. College of Engineering, Karad
3	Atul Urade	Dr. A. T. Pise	Heat Tranfer Enhancement of Electronic Cooling using Wavy Fins.	Govt. College of Engineering, Karad
4.	Vaibhav Talange	Dr. A. T. Pise	Thermal Management of Green Building using PCM	Govt. College of Engineering, Karad
5.	Siddhanat Nishandar	Dr. A. T. Pise	Study of Heat Transfer Phenomenon over roughed surfaces under pulsating flow	Govt. College of Engineering, Karad
4	V. B. Sawant	Dr. S. S. Mohite	Development of an Intelligent Decision Support System	Govt. College of Engineering, Karad
5	M. H. Yadav	Dr. S. S. Mohite	Investigations of In-process Dynamical Behaviour of Fixture Workpiece System and Implementation of Adaptive Clamping	Govt. College of Engineering, Karad
6	V. P. Gaikwad	Dr. S. S. Mohite	Study of fluid flow and heat transfer in microchannel heat sinks for monolithic chip cooling application	TKIET, Ichalkaranji
7	M. V. Kavade	Dr. S. S. Mohite	Phenomenological and Parametric studies of Electro Discharge Machining (EDM) with a special emphasis on Powder Mixed Dielectric	Govt. College of Engineering, Karad
8	S. V. Kadam	Dr. S. S. Mohite	Experimental investigation on flow characteristics of nano fluids for forced convective heat transfer	Govt. College of Engineering, Karad
9	Krishna Dattartray Shinde	Dr. R. K. Shrivastava	Cathodic protection for delaying corrosion in refrgrent compressors	Govt Engg College, Aurangabad
10	Madhavi S Harne	Dr. R. K. Shrivastava	Experimental evauation and validation performance and	Govt Engg College, Aurangabad

			emmissions of CI engine using different blends of bio desiel	
11	Yogesh S Kokate	Dr. R K Shrivastava	Development of high performance vortex lowmeter	Govt Engg College, Aurangabad
12	Atteshamuddin S. Sayyad	Dr. Y. M. Ghugal	Thermal stresses in Laminated Composites (Beams, Plates and Shells).	Govt. College of Engineering, Karad
13	Irshad Sikandar Jamadar	Dr. V. S. Patil	A Study of Peristaltic Flow of Non-Newtonian Fluids Through Different Geometrical Channels	Govt. College of Engineering, Karad
14	Pravin Siddheshwar Gore	Dr. V. S. Patil	A Study of Viscous Fluid Flow in Porous Medium	Govt. College of Engineering, Karad
22	Pratik Deshpande	Prof. S. S. Valunjkar	Risk management in highway project using fuzzy FMEA	Govt. College of Engineering, Karad
23	Tejas Topkar	Prof. S. S. Valunjkar	Analysis of earned value management using software	Govt. College of Engineering, Karad
24	Niraj Maske	Prof. S. S. Valunjkar	Development of lean construction methodologies for minimizing time and cost of the project	Govt. College of Engineering, Karad
25		Dr. S.P. Deshmukh		
26		Dr. U. V. Pise		

7.5 Research publications

SR. NO.	PROGRAM	NAME OF THE FACULTY MEMBER	PUBLICATIONS			
			NATIONAL		INTERNATIONAL	
			Journal	Conference	Journal	Conference
1	**Civil Engineering**	Dr. Y. M. Ghugal	1		8	
		Prof. S. S. Valunjkar			3	3
		Prof. B. A. Konnur				4
		Prof. A. B. Landage		2		4
		Prof. A. A. Bhondwe	1			
		Prof. N. B. Chaphalkar			4	
		Prof. T. M. Bansode				2
2	**Mechanical Engineering**	Dr. Pise. A. T	2		10	3
		Dr. Khodke P. M.		2	2	
		Dr. Shrivastava. R. K.			10	
		Dr. Deshmukh S.P			06	3
		Dr. Pise. U. V				5
		Prof. Jadhav V. S		7	7	4
		Prof. Sali N. V	3		6	
		Prof. Yadav M. H		1	2	5
		Prof. Acharya A.R.			5	
		Prof. Raka V. B.		3		
		Prof. Kadam. S. D.		1		1
		Porf. Dhende. G. S		1	1	4
		K. H. Gharge	1		1	1
3	**Electrical Engineering**	Prof. Waghmare V. B.				2
		Dr. Joshi P. M				1
		Dr. Patil. U. V				
		Prof. Patil S. V.				
		Prof. Pawar S. H.				3
		Prof. Patil. S. K				
		Prof. Jadhav P. R.				
		Prof. Patil U. S.				
		Prof. More K.K.				

		Prof. Morkhade S.A.				
		Prof. Mahindrakar. S. K.				
4	**Information Technology**	Dr. Wagh. S. J			6	2
		Dr. R. B. Kulkarni			1	
		Prof. Chaudhari A B.		2		
		Prof. Chavan Y. D.				
		Prof Yelure B. S		1	2	3
		Prof. Andhare. C. V			1	
		Prof. N. S. Deokule			2	
		Prof. K. R. Pawar			3	
		Prof. C. P. Garware		1		2
		Prof. A. V. Sathe			1	
		Prof. S. V. Balshetwar			1	1
		Prof. P.D. Sheth				
5	**MCA**	Dr. Shetiye P C.				
		Prof. B. S. Patil				
		Prof. Malkauthekar M. D				
		Prof. Kumarwad L. L.				
		Prof. P. P. Shinde				
6	**Science and Mathematics**	Dr. Patil. V. S				
		Dr. Patil. S. A.				
		Dr. Alsundkar. K. N.				
		Prof. Karadkar. S. B.				
		Prof. Shinde. S.M.				
		Prof., Kande. U. V				
7	**ENTC**	Dr. A. M. Sapkal			2	1
		Dr. A. R. Karwankar				2
		Dr. Supriya Kadam				6

7.6 Patents

Following patents are filled during academic year 2019 -20

1. UC-Tool: Car Door Unlocking Mechanism Without Key,202011007267, 20/02/2020 by Prof. N. B. Chaphalkar

2. FDML-Fitness: Fitness Function Derived Using Machine Learning and Deep Learning, 202041007977, 25/02/2020 by Prof. N. B. Chaphalkar

S. NO.	Title of the invention	Name of inventor	Application No.	Date of Application	Publication Date	Academic Year
1.	A device for controlling microwave intensity	1. Anil R. Acharya 2. Ashok T. Pise 3. Hawaldar Shubham Sunil 4. Chavan Vipul Ganesh 5. Mali Bhushan Bhaskar 6. Biradar Vaishnavi Baswaraj 7. Patil Avdoot Anandrao 8. Bedre Rushikesh Sudhir 9. Shriram Hanuman Satish	202021020690A	16/05/2020	19/06/2020	2019-20
2.	Microwave stove for cooking in open atmosphere	1. Anil R. Acharya 2. Ashok T. Pise 3. Hawaldar Shubham Sunil 4. Chavan Vipul Ganesh 5. Mali Bhushan Bhaskar 6. Biradar Vaishnavi Baswaraj 7. Patil Avdoot Anandrao 8. Bedre Rushikesh Sudhir 9. Shriram Hanuman Satish	202021020688A	16/05/2020	19/06/2020	2019-20

3.	Artificial non-stick film on toilets, urinal and wash basins	1. Mr. Bhushan Bhaskar Mali 2. Dr. Sandeep A. Thorat 3. Mr. Rushikesh Sudhir Bedre 4. Miss Vaishnavi Baswaraj Biradar 5. Mr. Jay Pandurang Waghamode 6. Mr. Vipul Ganesh Chavan 7. Mr. Sushnat Hanumant Rao Patil 8. Mr. Milind Dattarey Killedar 9. Dr. Ganesh S. Jadhav	202021004724	03/02/2020	06/03/2020	2019-20
4.	Microwave water heater	1. Pise Ashok Tukaram 2. Acharya Anil Ramchandra 3. Hawaldar Shubham Sunil 4. Patil Avdoot Ananadrao 5. Shriram Hanuman Satish 6. Bajare Shivam Sanjay 7. Musmade Rutuja Rajendra	202021020689 A	16/05/2020	19/06/2020	2019-20
Total Patent published in 2019-20						**04**

7.7 Expert lectures by others at Institute

Sr. No.	Date	Name of faculty	Expert Name	Department	Title
1.	19/09/2020	Prof. Rashmi Ambike	Dr. M. B. Kumthekar	Civil	Contracts and Valuation
2.	05/09/2020	Prof. A. H. Kulkarni	Dr. Sayali Sanbhor	Civil	Artificial Neural Network
3.	08/10/2020	Prof. Rashmi Ambike	Dr. N. B. Chaphalkar	Civil	Arbitration
4.	05/09/2020	Prof. A. A. Bhondwe	Smita Patil	Civil	Motivational Speech
5.	29/08 2019	Dr. A. M. Sapkal	Prof. S.S. Itraj	ENTC	Multivibrators & their applications in industrial sectors
6.	29/08 2019	Dr. A. M. Sapkal	Prof. P.S. Patil	ENTC	Propagation models in wireless communication & their industrial application
7.	30/08/ 2019	Dr. A. M. Sapkal	Dr. Sachin D. Ruikar	ENTC	Fiber Optics Link Design & Modulation
8.	16/09/2019	Dr. A. M. Sapkal	Prof. Saurabh S. Athalye	ENTC	Time domain & Frequency domain analysis
9.	9th -10th Nov.2019	N. S. Deokule	P. N. Mahalle	IT	Data Science Methodology
10.	11th -12th Jan 2020	A. V. Sathe & J. A. Adamane	Ajinkya Lohakare	IT	Cyber Security & Ethical hacking
11.	9th Feb 2020	A. V. Sathe & J. A. Adamane	Anuradha Joshi	IT	Career opportunities in Networking and storage domain
12.	2nd - 3rd Aug.2019	N. S. Deokule & K. R. Pawar	P. N. Mahalle	IT	Data Science & Algorithms
13.	2nd - 3rd Nov.2019	N. S. Deokule & K. R. Pawar	Dr. P. N. Mahalle	IT	Blockchain & Applications in Securities

7.8 Faculty outreach

Applied Mechanics

Sr No	Faculty Name	Outreach
1	**Dr. Y. M. Ghugal**	• Empanelled on AICTE, NBA, UGC, DTE Maharashtra, MPSC, Dr. B.A.M.U. Aurangabad, VJTI Bombay, Solapur University, Solapur and Shivaji University Kolhapur for various technical and administrative works. • BOS Chairman Faculty of Civil Engineering, Sivaji University Kolhapur, Nominated BOS Member for RIT Islampur, Anna Dange College of Engineering, Asta, Sanjivani College of Engineering, Kopargaon. • Panel of examiner at Dr. B.A.M.U. Aurangabad, GCOEP, Nagpur University, GEC Amravati, GH Raisoni College of Engineering, Pune, VJTI Bombay, Walchand Institute of Technology, Sangli, Solapur. Trinity College of Engineering, Pune. • **Reviewer of33 National and International Peer Reviewed Journals** across the globe published by Elsevier, Springer, Techno-Press, World-Scientific, and Universities and **International Conferences.** • **Ph. D. Thesis Evaluator** of various Indian Universities (Pune, Aurangabad, Solapur, Nagpur), • **Expert lecture delivered on Refined Beam and Plate Theories at** GH Raisoni College of Engineering Pune, MIT Aurangabad. • Consultant to Govt. and private sectors of Structural Engineering all over India. • Editorial Board Member of National and International Journals.

Civil

Sr No	Faculty Name	Outreach
1	**Prof. S. S. Valunjkar**	• . Worked as "Head of the Department" and completed the assessment work of occurred damages due to floods in the month of August 2019, in Palus Taluka, Sangli District Thesis Evaluator for Ph.D. candidate in 2018-19 for R.S.T.M. Nagpur University, Nagpur • Worked in "Zonal Officer's Co-ordination Committee" during General Election of Satara parliamentary and Karad (North) Assembly Constitution in October 2019. • Worked as "Expert" for AICTE in Expert Visit Committee for approval of new colleges (Online) • Worked in "Scrutiny Committee" for AICTE for approval of Engineering/Pharmacy Colleges (Online) • Worked as "Examiner of M. Tech. (Civil) dissertation report in College of Engineering, Pune (COEP).
2	**Prof. B. A. Konnur**	• Involved in formulation of Vision and Mission statements of Government Polytechnic Karad. • Completed examination work assigned by MPSC • Carried out third party inspection of construction works undertaken by various municipal authorities • Carried out election duties as polling officer for Maharashtra Assembly Elections • Delivered expert talk on Career Opportunities for Civil Engineers at REC Azamgarh • Carried out Academic Audit of Civil Engineering Department, GCOE Aurangabad. • Completed examination assignments of Shivaji University, GCOE Amravati and GCOE Jalagaon
3	**Prof. A. B. Landage**	• Professional Society Membership- Life Member of Institution of Engineers, India (No. M 1642248)

		• Life Member – Indian Society for Technical Education (No. LM81157)
		• Life Member - International Society for Research for Development (M3140900246)
		• Life Member – Indian Society for Hydraulics (No.1122)
		• Reviewer for - International Journal of Water Resources Engineering International Journal of Geological and Geotechnical
4	**Prof. S. V. Joshi**	• M Tech/ B Tech examiner, curriculum development for our institute
5	**Prof. A. A. Bhondwe**	• Worked as Member, Technical and Financial Evaluation Committee (TFEC) for a heavy-duty racking system at BGRL, Karad. • Member of Society- Life Member, Indian Society of Remote Sensing (ISRS), Dehradun
6	**Prof. N. B. Chaphalkar**	• Delivered lecture as a Chief Guest on Water Recourses Day organized by Irrigation Department, Maharashtra State, at Karad
7	**Prof. A. H. Kulkarni**	• Associate Member of Institution of Engineers, India
8	**Prof. T. M. Bansode**	• Life Member of The Indian Society for Technical Education ISTE-LM-12785

Mechanical

Sr No	Faculty Name	Outreach
1	**Dr. A. T. Pise**	• Chairman of Board of Studies (BoS) Mechanical, Aeronautical, Production Shivaji University Kolhapur • Reviewer of International Journals viz. Heat and Mass Transfer, Refrigeration, Solar Energy • Chairman of various enquiry committee of DTE, University • Chairman of LIC of various colleges of SUK (Shivaji University Kolhapur) • NBA evaluator, expert member of UGC in autonomous committees

		• Member of management council of WCE Sangli
		• Ph. D. Thesis evaluator of Gujrat Technological University
2	**Dr. R. K. Shrivastava**	• Empaneled on AICTE, NBA, UGC, NTA, DTE Maharashtra, MPSC, Dr. B.A.M.U. Aurangabad, Shivaji University Kolhapur for various technical and administrative work.
		• Nominated BOS Member for GEC Jalgaon, GEC Chandrapur, R. C. Patel Institute of Technology, Shirpur.
		• Panel of examiner at Dr. B.A.M.U. Aurangabad, Sant Gadge Baba Amravati University, GEC Amravati, MIT World Peace University Pune, AMITY University Noida, MIT Gwalior.
		• Reviewer of journal Heat and Mass Transfer, International Conferences.
		• Ph. D. Thesis Evaluator, various Indian Universities, Institute of Refrigeration, Odessa State Academy of Refrigeration Ukraine, ENEA, National Institute of Thermal and fluid Dynamics, VIA, Anguillarese.
		• Expert lecture on Boiling and Condensation modelling at MIT World Peace University Pune; Advances in Refrigeration at Deogiri Engineering College Aurangabad.
		• Clean Room Professional certified by ISHARE.
		• Member of ASHARE, ISHARE, FSAI, RSRI, ISTE, ISHMT
3	**Dr. U.V. Pise**	• Empaneled on DTE Maharashtra, Shivaji University Kolhapur, and MSBTE Mumbai.
		• Registered Ph. D Guide at Shivaji University Kolhapur.
4	**Prof. V. S. Jadhav**	• Empaneled on AICTE, DTE Maharashtra, Shivaji University Kolhapur, and MPSC
5	**Prof. N. V. Sali**	• Empaneled on AICTE, DTE Maharashtra, Shivaji University Kolhapur, and MPSC.
		• M.Tech Dissertation Evaluator at RIT Sakharale.
6	**Dr. A. R. Acharya**	• Project oral at AISSMS Pune June 18

		• Project oral at Indira college Pune June 2018
		• Dissertation oral at PVPIT Sangli for BATU August 2018
		• Session on motivation at SGM college Karad in January 2019
		• Ph. D. comprehensive at VTU Belgaum June 2019.
		• Empaneled on Shivaji University Kolhapur.
		• Empaneled on Examination Panel of Shivaji University Kolhapur
7	**Prof. M. H Yadav**	• Empaneled on Shivaji university Kolhapur
		• Collaborative Research with NIT GOA,
		• Empaneled on Examination Panel of Shivaji University Kolhapur
		• Empaneled on the Examination Panel of Rajarambapu Institute of technology, Sakhrale for paper setting
		• Empaneled on the Examination Panel of Rajarambapu Institute of technology, Sakhrale for conducting practical exam
8	**Prof. G. S. Dhende**	• Empaneled on Shivaji University Kolhapur.
		• Empaneled on Examination Panel of Shivaji University Kolhapur.
		• Empaneled on the Examination Panel of Rajarambapu Institute of technology, Sakhrale for paper setting
		• Empaneled on the Examination Panel of Rajarambapu Institute of technology, Sakhrale for conducting practical exam.
		• Worked as, Rob club faculty coordinator guided students for various Activities & competitions like Techfest (IIT Bombay) & Robocon
		• As a lifetime member of CII (Confederation of Indian Industry) attended training in Aug 2018 on 3D Printing.
9	**Prof. V. B. Raka**	• Empaneled on Shivaji University Kolhapur.
		• Empaneled on Examination Panel of Shivaji University Kolhapur.
10	**Prof. S. S, Jadhav**	• Empaneled on Shivaji University Kolhapur.
		• Empaneled on Examination Panel of Shivaji University Kolhapur.
11	**Prof. K. S. Gharge**	• Empaneled on Shivaji University Kolhapur.

		Empaneled on Examination Panel of Shivaji University Kolhapur.
12	**Prof. S. H. Patil**	• Empaneled on Shivaji University Kolhapur. • Empaneled on Examination Panel of Shivaji University Kolhapur.

Information Technology

Sr No	Faculty Name	Outreach
1	**Dr. S. J. Wagh**	• Member Board of Studies (School of Computer Engineering & IT), MIT Academy of Engineering, Pune Savitribai Phule Pune University. • Program Chair for International Conference ICMISC-2020 • Reviewer for International Conference ICMISC-2020 • Visited as an Expert member for Engineering Colleges LIC under Shivaji University • Syllabus revision of BTech & M. Tech. IT/CSE at MIT Academy of Engineering Pune 2019 • Appointed as an Observer by AICTE for MBA/M. Pharm Entrance Test • Reviewers for International Journals and Conference • Authentic reviewer for European Alliance for Innovation publications@eai.eu • PhD Thesis Evaluated and Examiner • Member Board of Studies (Computer Engineering & IT), ADCT College of Engineering, Ashta Shivaji University, Kolhapur. • Membership of Professional Societies, ISTE, IEEE, ACM • • Fellow IETE • Member, The Institution of Engineers (India) • International Technical Program Committee members 1. 2019 International Conference on Communications, Information

		System and Computer Engineering（CISCE2019, Haikou, China during July 5-7, 2019.
2	**Dr. R. B. Kulkarni**	- Coordinator Incubation Centre Organizing Committee - Reviewer for International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Internal Session Chair for International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Member Board of Studies, RIT, Islampur - Member Board of Studies DKTE, Ichalkaranji - Board of Studies D Y Patil Kolhapur - Started various clubs like Agri Mitra to help farmers - Ph. D. Entrance Examiners - Mentoring students for innovation
3	**Prof. R. S. Mavale**	- Organizing Committee member of International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Internal Session Chair for International Conference on Machine Intelligence &Smart Computing ICMISC-2020
4	**Prof. N. M. Mule**	- Organizing Committee member of International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Internal Session Chair for International Conference on Machine Intelligence & Smart Computing ICMISC-2020
5	**Prof. Y. D. Chavan**	- Organizing Committee member of International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Organizing committee member for TEQIP III sponsored FDP on "Data Science Methodology" 6-10 th Jan 2020 - Organizing committee member for TEQIP III sponsored FDP on "Synergorgy: Innovative Knowledge model for knowledge creation".

6	**Prof. B. S. Yelure**	- Organizing Committee member of International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Reviewer for International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Internal Session Chair for International Conference on Machine Intelligence & Smart Computing ICMISC-2020
7	**Prof. A. B. Chaudhari**	- Organizing Committee member of International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Organizing committee member for TEQIP III sponsored FDP on "Data Science Methodology" 6-10 th Jan 2020 - Organizing committee member for TEQIP III sponsored FDP on "Synergorgy: Innovative Knowledge model for knowledge creation" - Syllabus Revision B. Tech. & M. Tech. as per AICTE norms
8	**Prof. P. B. Jawade**	- Reviewer for International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Internal Session Chair for International Conference on Machine Intelligence & Smart Computing ICMISC-2020
9	**Prof. C.V. Andhare**	- Organizing Committee member of International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Organizing committee member for TEQIP III sponsored FDP on "Data Science Methodology" 6-10 th Jan 2020 - Organizing committee member for TEQIP III sponsored FDP on "Synergorgy: Innovative Knowledge model for knowledge creation"
10	**Prof. N.R. Shetty**	- Organizing Committee member of International Conference on Machine Intelligence & Smart Computing ICMISC-2020 - Organizing committee member for TEQIP III sponsored FDP on "Data Science Methodology" 6-10th Jan 2020

		• Organizing committee member for TEQIP III sponsored FDP on "Synergorgy: Innovative Knowledge model for knowledge creation"
11	**Prof. N. S. Deokule**	• Coordinated in Online International Conference on "Machine Intelligence & Smart Computing (ICMISC-2020)" on 21st -22nd May,2020. • Expert Lecture on "Data Science and Algorithm" on 2nd – 3rd August 2019 for SE IT Students • Expert Lecture on "Block Chain and Applications in Securities" on 2nd – 3rd Nov. 2019 for TE and BE IT students. • Internship program for SE and TE IT students on "Amazon AWS" from 13rd – 16th Nov. 2019 • Two Week Internship program for TE IT students on "Data Science" on 27th Dec. 2019 – 5th Jan 2020
12	**Prof. P. D. Sheth**	• Coordinator of FDP on "Design Thinking for Knowledge Creation", January 30-31, 2020 • Reviewer for International Conference on Machine Intelligence & Smart Computing ICMISC-2020 • BOS member of Department of Information Technology, WCE, Sangli
13	**Prof. K. R. Pawar**	• Two Week Internship program for TE IT students on "Data Science" on 27th Dec. 2019 – 5th Jan 2020 • Internship program for SE and TE IT students on "Amazon AWS and Cloud Computing" from 13rd – 16th Nov. 2019 • Expert Lecture on "Block Chain and Applications in Securities" on 2nd – 3rd Nov. 2019 for TE and BE IT students. • Expert Lecture on "Data Science and Algorithm" on 2nd – 3rd August 2019 for SE IT Students

		• Organizing committee member in Online International Conference on "Machine Intelligence & Smart Computing (ICMISC-2020)" during 21st -22nd May 2020 • Organizing committee member for TEQIP III sponsored FDP on "Synergorgy: Innovative Knowledge model for knowledge creation
14	**Prof. C. P. Garware**	• Internship Program for TY IT students on "Red Hat Certification Training" from 17th Feb-26th Feb 2020 • Arranged Workshop for all students on "Voice Culture & Light Vocal" from 7th Sept. - 8th Sept. 2019 • Organizing committee member in Online International Conference on "Machine Intelligence & Smart Computing (ICMISC-2020)" during 21st -22nd May2020 • Arranged Internship Program for SY IT students on "Red Hat Certification Training" from 16th Dec-27th Dec 2019 • Arranged Webinar for Second, Third and Final Year IT Students on "Building engaging voice experiences with Alexa" - 31st Jan 2020 • Worked as Faculty Coordinator for Youth Festival 2019 held by Shivaji University, Kolhapur • Participation of students in Group Singing Competition held by Karad Urban Bank, Karad - 26th Jan, 2020
15	**Prof. A. V. Sathe**	• Online Internship program for SY an TY by Sahu Technology Pune on 10th May 20 -10th June 20 • Online Webinar on Placement Scopes and Preparation Talk for TY • Two Week Internship program for SY IT students on "Data Science" on 17th Feb. 2020 – 26th Feb 2020 • Expert Lecture on "Career Opportunities in Networking and Storage Domain" on 9th February 2020 for TY IT

		• Expert Lecture on "Cyber Security and Ethical Hacking" on 10th – 11th Jan. 2020 for SY IT • Internship program for TY IT students on "Amazon AWS and Cloud Computing" from 13rd – 16th Nov,2019 • Organizing Committee member of International Conference held online on Machine Intelligence and smart computing (ICMISC-2020) on 21st & 22nd May 2020. • Online Internship Coordinator for TY IT on Deep Learning from 22nd June to 16th July 2020.
16	**Prof. J. A. Adamane**	• Internship Program for TY IT students on "Red Hat Certification Training" from 17th Feb-26th Feb 2020 • Workshop for SY IT students on "Cyber Security & Ethical Hacking" from 10th Jan-11th Jan 2020 • Internship Program for SY IT students on "Red Hat Certification Training" from 16th Dec-27th Dec 2019 • Organizing committee member for TEQIP III sponsored FDP on "Synergorgy: Innovative Knowledge model for knowledge creation" • Organizing Committee member of International Conference held online on Machine Intelligence and smart computing (ICMISC-2020) on 21st & 22nd May 2020. • Workshop for B.Tech. students on "Android Application Development" from 12th -13th March 2019
17	**Prof. S. V. Balshetwar**	• Reviewer for International Conference on "Machine Intelligence & Smart Computing (ICMISC-2020)" on 21st -22nd May 2020. • . Coordinator for TEQIP III sponsored FDP on "Data Science Methodology" 6-10th Jan 2020 • Organizing committee member for TEQIP III sponsored FDP on "Synergorgy: Innovative Knowledge model for knowledge creation"

		• Coordinator for innovation Day program on birth anniversary of A P J Kalam sir held at GCEK under CIIS cell • Worked as a judge of "Quest 2K20" National level paper presentation organized by KBP college of Engineering, Satara on 28th Feb 2020 • Worked as Core Organizing Committee member of Dipex 2020 (State level project Exhibition cum competition from 31 year for engineering students of Maharashtra and Goa) held this year at Solapur during 6-9th March 2020.
18	**Prof. M. V. Patil**	• Organizing Committee member of ICMISC-2020 International Conference

Electronics & Telecommunication

Sr No	Faculty Name	Outreach
1	**Dr.A.M. Sapkal**	• NBA Evaluator for Tier-I/Tier-II for UG & PG Courses • Reviewer for various journal the IET, Springer, IJECCE, ICGST • M.Tech.& Ph.D. Examiner at different universities in India • Member of LIC committee of UoP for evaluation of Engg. Colleges • Member of AICTE for evaluation of Engg colleges and MODROB & Research proposals • Member of DTE Maharashtra State to evaluate Engg colleges and scrutinize tenders for purchase • Expert session in OBE workshop and SIVPAPA-2020
2	**Prof. M. S. Sadavarte**	• Recognized P.G. teacher at N.M.U. University, Jalgaon • On Analog and digital communication subject panel of PG and UG at N.M.U Jalgaon

Mathematics

Sr No	Faculty Name	Outreach
1	**Dr. V. S. Patil**	• Nominated as a Member of BOS in Mathematics, Pratap College, Amalner • M.Phil. /Ph.D. Research Guide for Shivaji University, Kolhapur, India. • Ph.D. Referee for Gujarat Technological University, Ahmedabad. • Ph.D. Referee for Swami Ramanand Teerth Marathwada University, Nanded, India. • Ph.D. Referee for SATHYABAMA Institute of Science and Technology, deemed to be University, Chennai, India. • Reviewer for various International journals • Expert, AICTE Approval Process 2020-21.

Electrical

Sr No	Faculty Name	Outreach
1	**Dr. Prasad M. Joshi**	• BoS Chairman of Shivaji University, BoS member of Walchand College of Engineering, Sangli, RIT, Sakharale, KIT College of Engg, Kolhapur, AICTE expert for EOA approval, 12 Guest lectures
2	**Dr. U. V. Patil**	• BoS Member Electrical Engineering Department, Dr. BATU, Lonere • PhD Examiner Nagpur university, Solapur University, SPPU, Shivaji University, Amravati University & Dr. BATU • Reviewer for international journals IET IEEE transactions, Taylor & Francis, JPE & International conferences
3	**Prof. (Dr.) Suryakant H. Pawar**	• BoS member of Walchand College of Engineering, Sangli

7.9 New facilities created

7.9.1 Civil Works Executed by BWC: -

As per requirement of various departments of the institute, civil works like refurbishment of laboratory, renewal of flooring, renewal of washrooms, extension of buildings, aluminum partitions for faculty cabin etc. has been executed.

Works Completed recently: -

Sr. No.	Name of Work	Date of completion	Expenditure Incurred (Rs.)
	Financial Year 2019-20		
1	Shifting of partition	29/4/2019	₹ 4,200.00
2	Material provided for ridge	9/5/2019	₹ 4,800.00
3	Removing and fixing of Mangalore tiles	9/5/2019	₹ 2,200.00
4	Fixing ridge at seminar hall (Labour bill)	9/5/2019	₹ 4,800.00
5	Providing and fixing of RCC cover for chamber in college campus	26/6/2019	₹ 22,100.00
6	Supplying M.S. angles for roofing to classroom no. 8 & 9 of main Building (FF)	26/6/2019	₹ 53,638.00
7	Providing G.I. sheet roofing below Mangalore tiles to classroom no. 8 & 9 of main Building (FF)	26/6/2019	₹ 337,766.00
8	External and internal painting of main building and workshop building (Labour only)	23/8/2019	₹ 294,103.00
9	Shifting of electrical and mechanical shed behind Workshop area	3/7/2019	₹ 208,124.00
10	Proposed renovation work for main gate	23/8/2019	₹ 299,749.00
11	Foundation for loading frame and repair of water tank	4/9/2019	₹ 45,651.00
12	Providing and fixing of Window glass all over in college campus	19/9/2019	₹ 19,161.00
13	Fixing of leak-proof material over 'J' hooks of workshop building	19/10/2019	₹ 36,094.00
14	Construction of Concrete Technology laboratory and smart classroom for Applied Mechanics Department	12/12/2019	₹ 1,269,299.00
15	Providing and fixing of aluminium partition and cabin for workshop department	17/10/2019	₹ 92,156.00
16	Renewal of class IV quarter near principal quarter, Chemistry lab, IT lab and washroom of TPO	17/10/2019	₹ 264,941.00

17	Providing fencing of synthetic net to basketball court	19/10/2019	₹ 311,575.00
18	Electrical and sound work for seminar hall	24/10/2019	₹ 113,491.00
19	Supplying concrete cube mould and slump cone for BWC dept.	9/11/2019	₹ 31,152.00
20	Painting of E&TC HoD cabin, start-up room and main gate (Labour only)	5/10/2019	₹ 22,560.00
21	Painting of Nano-tech lab (Labour only)	25/11/2019	₹ 7,184.00
22	Purchase of 2000 litre water tank for staff quarter	10/12/2019	₹ 26,904.00
23	Painting Material	-----	-----
24	False ceiling repair (Material bill)	21/1/2020	₹ 4,500.00
25	Cleaning of unwanted trees on staff quarter	21/1/2020	₹ 3,000.00
26	TEQIP/ False ceiling repair (Material bill)	21/1/2020	₹ 4,602.00
27	Cleaning of unwanted trees on main building	21/1/2020	₹ 4,750.00
28	Painting of passage near C.T. lab	23/1/2020	₹ 2,770.00
29		27/1/2020	₹ 8,088.00
30	Renovation of principal cabin Toilet & ladies staff toilet	7/2/2020	₹ 307,108.00
31	PCC in front of Dispensary room	17/2/2020	₹ 4,980.00
32	Providing parking shed to E & F quarters using old parking shed material and painting of basketball court	25/2/2020	₹ 289,635.00
33	External and internal painting of buildings on campus (labour only)	7/3/2020	₹ 91,292.00
34	External and internal painting of buildings on campus (labour only)	9/3/2020	₹ 32,118.00
35	External and internal painting of buildings on campus (labour only)	20/3/2020	₹ 140,028.00
36	Providing and laying flooring at IT Dept. & Refurbishment of Nano-tech Lab	16/3/2020	₹ 272,167.00
37	Covering duct for gym in Jijau ladies' hostel, proposed Volleyball and Kho-kho ground	16/3/2020	₹ 188,854.00
38	Refurbishment of Physics Laboratory	21/3/2020	₹ 220,599.00
39	Extension of P.G. hostel (M-Block)	20/3/2020	₹ 495,403.00
40	Providing 1st major treatment for Anti-termite with drilling holes and injecting pesticides	16/5/2020	₹ 83,839.00
41	Providing and fixing sliding windows with granite frame and carpet	16/5/2020	₹ 219,044.00
42	Dean Academics first floor extension	16/5/2020	₹ 2,843,295.00

43	Renovation of gent's toilets near library and drawing hall, lady's toilet near Envt. Dept. and aluminium partition to APM dept.	16/5/2020	₹ 213,825.00
44	Providing water proofing treatment to buildings within premises	16/5/2020	₹ 143,812.00
45	Providing and fixing GI sheets to office roof, control engine lab, start-up dept., TPO, alteration AMD, machine lab, IT dept., main building slab, etc.	16/5/2020	₹ 176,633.00
46	External and internal painting of buildings on campus (Material only)	19/6/2020	₹ 298,010.00
	Total		**₹ 9,520,000.00**

7.9.2 Civil Works Executed by PWD: -

BUILDING WORKS COMMITTEE

Government College of Engineering, Karad (GCEK) is an autonomous technical institute in Maharashtra state in India. It was established in 1960 and was affiliated to the Shivaji University till 2015 after which it became an autonomous institute. The autonomy was granted by the University Grants Commission (UGC) of India. In year 2005 Building Works Committee (BWC) was established for renovation, extension and internal maintenance of the institute. Principal is the chairperson of BWC while Prof. U. L. Deshpande, Associate Professor APM Department is member secretary with seven more members comprising a committee.

Civil Works Executed by PWD: - Various civil works are executed by PWD as per requirement of the institute.

Sr. No.	Name of Work	Status	Date of completion	Amount (Rs.)
1.	Library Building	In progress	-----	542.00 lakhs
2.	ENTC Building	In progress	-----	582.00 lakhs

i) Library Building: - For the construction of proposed Library building the competition was held between the architects by the committee and three architects were empanelled from the competition. An architect was appointed for Library building to prepare architectural drawings, RCC design etc. The work is being executed by PWD and is in progress.

Proposed library building at GCE Karad

Construction of library building at GCE Karad

ii) ENTC Building: - For the construction of proposed ENTC building the competition was held between the architects by the committee and three architects were empanelled from the competition. An architect was appointed for ENTC building to prepare architectural drawings, RCC design etc. The work is being executed by PWD and is in progress.

Proposed ENTC building at GCE Karad
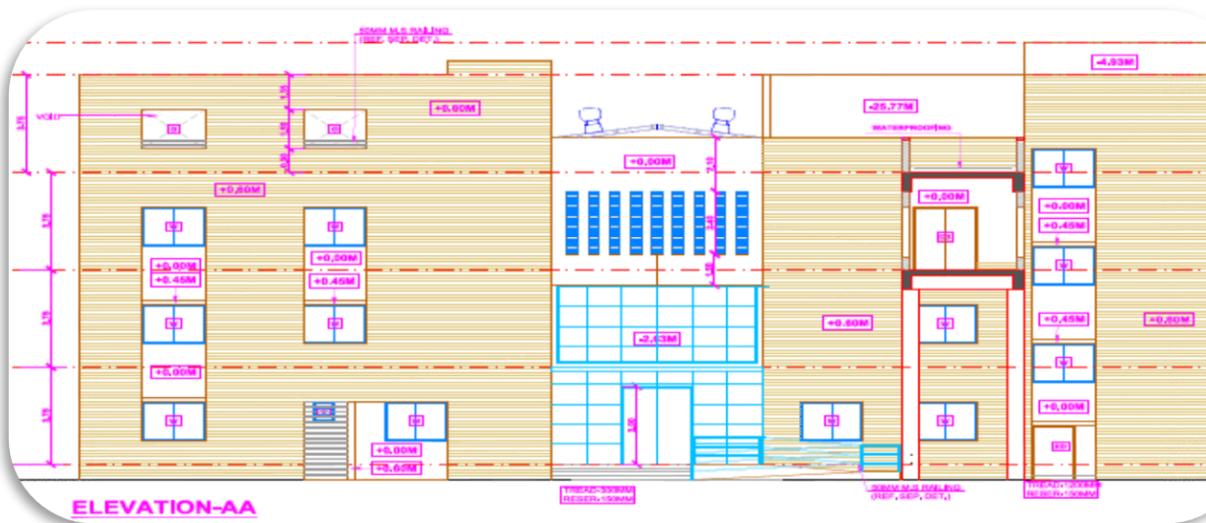
Construction of ENTC building at GCE Karad

Construction of dean academic buildings

New facility created in Department

Sr. No.	Department	Facility Created
1	**Applied Mechanics Department**	• New Building for Concrete Technology Lab is constructed • Loading frame of 100 Ton Capacity is purchased for UG, PG and Ph.D. research work. • New Rebound Hammer is procured with remote data transfer • Data Acquisition System is procured for research in concrete structural elements • A new shear test ring developed for determination of shear strength of concrete.
2	**Civil Engineering Department**	• Created academic platform on YouTube titled "Valunjkar's DigitalAcademics" for availability of technical literature through digital preentations https://www.youtube.com/channel/UC2pcw-qhbxFENfwslIJHSXA • Academic platform on researchgate is already existed https://www.researchgate.net/profile/S_Valunjkar
3	**Electronics & Telecommunication Engineering Department**	• Simulation & Control system for Robotics Development • Multidisciplinary IoT center • Multidisciplinary AI & ML center • Fiber optic test bench • Analog & Digital Communication lab, Software defined radio
4	**Information Technology**	• Modernizations of Artificial Intelligence & Machine Learning Laboratory under AICTE-MODROB Scheme. 2019-2020.

✳✳✳✳✳

8 CENTRAL FACILITIES AND SERVICES

8.1 Central Library

The Government College of Engineering, Karad central library supports Teaching, Research & and other related programmes of the institute. The Library has rich collection of documents that comprises of Books, (including rare books) Journals, Bond Volumes, Theses, Project reports, Learning Resources (LRs) & Compact discs in the field of Engineering, Science, Management, and Literature Technology & Humanities. The library has computerized data of whole of its collection using SLIM 9.0 software and computerizing all activities in the library. The Central Library has book bank scheme for all students. Open Category Backward category and social welfare book bank scheme for SC/ST students are available in the library. The library has provided 18hrs reading room facility to the students. All digital resources are available throughout the campus using Wi-Fi connectivity

Central library holds the total collection of 57982 books including book bank books accumulated over last six decades. Have 4792 Bound Volumes of Technical/Non-technical journals, Magazine. It subscribes to 64 National and International journals / magazines. This library is member of ESE (E-Shodh-Sindhu) under which we receive 208+online journals including ASCE (34) + Springer (586) + worth Rs.20.5 lakhs. It issues more than 1400 books bank sets to the students including Social welfare free book bank scheme for SC/ST scholarship holder students. Reading hall facility is available from 8.00 am to 10.00 pm for full year. Digital library under library free library has purchased and developed E-Learning recourses worth Rs.44lacks. This facility can be available from anywhere in the entire campus by students and staff as wall. E books library has purchased 2284 E books worth Rs.13.40lakhs.

E books can be available from anywhere in the entire campus through intranet. Facilities as under,

Sr. No.	Particulars	Available
1	Total No. of Books / Volumes	74120
2	Total No. of Titles	22236
3	Total Cost of Books (Printed Amount)	Rs. 1,96,99,000/-
4	Total No. of National Print Journals	130
5	Total No. of e-Journals	1694
6	Access of e-Books	2510
7	Expenditure on Print Journals for the Year 2017	Rs. 2,52,461/-

8	Expenditure on e-Journals / Resources for the Year 2016 (IEEE-ASPP, ASME, Springer, Elsevier & ASTM Digital Library, ASCE)	Rs. 38,63,142/-
9	Book Bank Facility (for SC / ST Students and OBC/EBC/OPEN Students)	Available
10	Total Area of the Library	665.272 sqm
11	Reading Hall Seating Capacity (Plus Periodical Section)	150
12	Reprographic Facility	Available
13	NPTEL (National Programme on Technical Enhanced Learning) Facility	Available for all branches
14	Library Working Hours	9.00 a.m. to 7.00 p.m.
15	Reading Hall Timing	6.00 a.m. to 12.00 p.m.
16	Usage data of Library (Daily Books Issue Return summary of Student & Staff)	400 - 500
17	Total Nodes / Computers with Networking Facility	50 Nodes
18	Total Price of Computer, Equipment's & Furniture	Rs. 1,78,36,837

Facilities

- Open Access to all Users
- Library Timings: 9 am to 7 pm
- Book Bank: Set of 6 books
- General Section: 2 books
- Reading Hall: 6 am to 12 pm
- Digital library: 60 computers
- Surveillance System
- Periodical Section
- Wi-fi & structured network facility
- Online Public Access Catalogue Facility (OPAC)Campus wide connectivity on intranet
- Reference service, Current Awareness Service
- E-journal facility to all readers/digital library in intranet
- CCTV system
- Online courses NPTEL/QEEE/
- Earn and Learn scheme for needy students
- Audio/Video Facility
- IIT Mumbai Library Membership
- Inter-Library Loan Facility]
- Reprography
- Remote Access to all Library Online databases to Students & Faculties.

Reading Section

Magzine Section

Adminisratativesection

Digital library section

Library information 2019 -20

Sr. No.	Particulars	Available
1	Total No. of Books / Volumes	68202
2	Total No. of Titles	23565
3	Total Cost of Books (Printed Amount)	Rs. 1 6580577/-
4	Total No. of National Print Journals	81
5	Total No. of e-Journals	1262
6	Access of e-Books	2284
7	Expenditure on Print Journals for the Year 2019	Rs. 243000/-
8	Expenditure on e-Journals / Resources for the Year 2018 (IEEE-ASPP, ASME, Springer, Elsevier & ASTM Digital Library, ASCE)	Rs. 4050000/-

9	Book Bank Facility (for SC / ST Students and OBC/EBC/OPEN Students)	Available
10	Total Area of the Library	665.272 sqm
11	Reading Hall Seating Capacity (Plus Periodical Section)	150
12	Reprographic Facility	Available
13	NPTEL (National Programme on Technical Enhanced Learning) Facility	Available for all branches
14	Main Library Circulation Timing	9.00 a.m. to 7.00 p.m.
15	Reading Hall & e-Library Timing	6.00 a.m. to 11.00 p.m. Every day
16	Usage data of Library (Daily Books Issue Return summary of Student & Staff)	500-600
17	Total Nodes / Computers with Networking Facility	50 Nodes
18	Total Price of Computer, equipment & Furniture	Rs. 1,77,36,837/-

Library Membership

Sr.No.	Membership Type	U.G.	P.G.	Total
1	Student Membership	1430	205	1635
2	Teachers	55		55
3	Supporting Staff	57		57
	Total members	**1542**	**205**	**1747**

Library e Resources

Sr. No	Name of Publisher	Name of Provider	No. of Journals	No. of Users	Subscription Period
01	ASCE E Journals package 34 Journals + Back file to1983	Global Information Technology, Gurgaon, Haryana.	35	Multiusers	Jan to Dec2020

02	ASME E Journals package 27 Journals + Back file to2000	Global Information Technology, Gurgaon, Haryana.	28	Multiusers	Jan to Dec2020
03	Springer Electrical, Electronics and Computer Science Engineering Collection Titles - 149	Global Information Technology, Gurgaon, Haryana.	740	Multiusers	Jan to Dec2020
04	ELSEVIER Science Direct – 275 E –Journals + Back files from 2000	Global Information Technology, Gurgaon, Haryana.	275	Multiusers	Jan to Dec2020
05	IEEE All Society Periodicals Package ASPP+POP Back file to 2000	EBSCO, International Inc, USA	207	Multiusers	Jan to Dec2020
06	IET Complete Journal Package	Global Information Technology, Gurgaon Haryana	38	Multiusers	Sep-2019-August -2020
07	Taylor & Francis Engineering, Phy, Chem & Math Collection Package (Current year + 20 years back files)	Global EduTech Narayan Peth, Pune	371	Multiusers	Jan to Dec2020
08	Turnitin Plagiarism Software	Turnitindia Education Pvt. Ltd.	-	Faculty-111 Student-1637 user	Jan to Dec2020
09	Typeset Research Software (Faculty and Scholars publishing research papers journals)	Global EduTech Narayan Peth, Pune	-	50 User	Apr 2020 to March2021
10	National Digital Library (NDL)Intuitional Membership	IIT, Kharagpur	Unlimited e-books & e-journal	Multiusers	Life membership
11	NPTEL Video lectures	Bodh Bridge, Chennai	All Branch	Multiusers	Life Membership
12	Swayam Channels	AICTE/UGC-DTH	All Branch	Multiusers	Life Membership

Salient Features / Facility available in Library

1. National Digital library (NDL) Institutional Member ship facility available.

2. Slim 21 Library Management Software with Barcode System

3. Open Access available to All Users.

4. 20 Books issued for one Semester.

5. M. Tech Students 7 Books issued for 15 days.

6. All B. Tech Students 2 Books issued for 15 days.

7. Online Public Access Catalogue (OPAC) facility available throughout the Campus by Wi-Fi

8. Book Bank facility available for each Semester to More than 1200 Students.

9. Free Book Bank Facility available to SC/ST Students.

10. Inter-Library Loan facility available.

11. Multimedia Facility available

12. NPTEL Videos for all branches

13. Swayam Chanel facility available through DTH

8.2 Hostel

Government College of engineering Karad offers hostel facility for students. Hostel located in green area and surrounded with trees and gardens. We have well organized hostel facility at campus can accommodate more than 1000 students. Hostel has filtered water facility at each hostel. Hostel is equipped with solar water heaters for hot water and Wi-Fi facility.

Hostel

Hostels	Area (Sq.m.)	Capacity
Block -B	3,081	540
Block -C	3,081	
Block -D	2,446	
PG Hostel (Block M)	537	24
Girls Hostel Jijau	4,953	240
Girls Hostel (Block J & H)		70
Total	**14,098**	**804**

Facilities
- Mess for each hostel
- Gymnasium
- Solar Water Heaters
- Potable Water (UV Plants) with cooler
- Reading Room/ Library
- Recreation Hall
- Cyber Cafe
- Dispensary
- Canteen
- Co-operative store
- Xerox Centre
- AICTE has sanctioned new hostel 2 Cr for SC/ST Girls students with capacity 200 students.

- Govt. of Maharashtra sanctioned new hostel constructed for economically

backward girl students with intake 75 capacity in the campus.

Photographic View of Jijau (Girls) Hostel

Photographic View of PG Hostel

Photographic View of Jijau Block -B Hostel

Photographic View of Jijau Block -B Hostel

Photographic View of Jijau Block -C Hostel

Photographic View of Jijau Block -D Hostel

Cooperative Store:

Cooperative store is situated in a corner of the in front of canteen, takes care of the needs of the faculty, staff and students as diverse as stationery. Co-operative store in the institute provides stationary at low cost.

Photograph of cooperative store

Post Office:

Post Office is also located on the campus for the benefit of faculty, staff and students

Gymkhana:

It serves as venue for most of the extra-curricular and co-curricular activities in GCE karad, ranging from sports to socio cultural events. Gymkhana has played an important role in the everyday life of students and in nurturing their extra-curricular talent.

Health Centre (Dispensary):

Almost 1800 students and faculties residing in the institute campus, health issues cannot be neglected. Thus, the institute has given the students the facility of a dispensary in the campus itself with a doctor from Krishna Hospital, Karad. Appropriate MoU is established with Krishna Hospital which facilitates required doctors and medical treatment necessary for students and faculties. Students avail the facility of free check-up and free medicines. Recently, the facility of beds has also been added to help the students in case of any emergency. Moreover, health insurance cover has been provided to the students under medical insurance scheme in which students can avail treatment for major illness at **Krishna Institute of Medical Sciences,**

Karad.
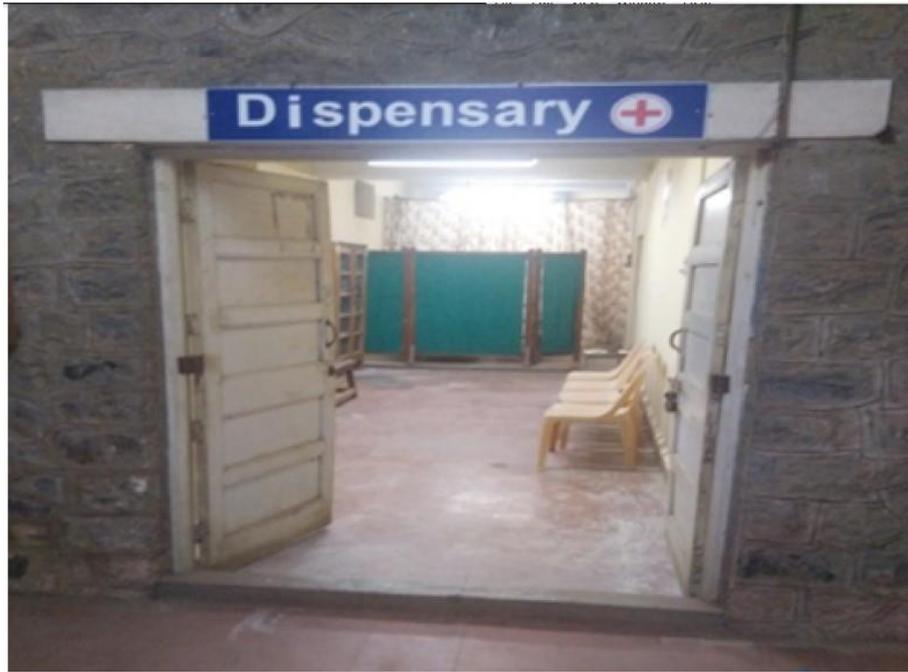
Photograph of Dispensary

Canteen:

The "Central Canteen" is located near the institute dispensary. Hygienic food at low cost with good ambience is provided.

Photograph of Canteen

Computer Center: -

The computer center is central computing facilities provided at the institute level. The center caters to various services from UG first year to final year student and PG students. It also use for online exam and campus interview. The computer center host 150 computer and printer scanner and other devise. It is equipped with networking and wifi.

Data Center: -

The Data center manages all the campus networking and wifi facility. The data center host various institute level software and application shared by all departments. The data center also provide services with different application like MIS, Library, Ansys, Attendance System, Matlab. The Data center is equipped with HP PROLIANT DL 360, IBM Sever. The data center hosts an HPC Computing facilities with the severs with latest configuration with NVidia graphics card the general configuration is HP PROLIANT dl 380 gen10 4114 1p 8sff 5 mb5vr 1Master node and 4 computer nodes.

- Capacity – 150 computers
- Structured network
- High End Server
- Open Access
- Time – 8 am to 8 pm
- Online University Examination
- Online Aptitude Test for Campus Recruitment
- Online Feedback System
- Online services/ submission
- Moodle

Photograph of Computer Centre with power back up setup

Power Back up –

- DG set – 125 KVA
- UPS – (27+60) KVA all computer labs & office

8.3 Clubs

1. The Dias Club

If you want to express yourself with your innovative ideas and view efficiently and elegantly then "The Dias" is the club for you! Dias focuses on developing interpersonal and public speaking skill among the students. The organizing committee of dais strives to bring out the best from students by arranging sessions based on group discussion, debates, extempore and much more! The club has organized dais talk to set an example of public speaking. The club or anises and yearly inter college competition too. The very international event of college, TEDX GCEK was organized by the same club. The club yet looks forward to arranging more and more events to beat the previous year's benchmark!

Activity Conducted under Dias Club in Academic year 2019 – 20

I. **Title of Activity:** THE INTRODUCTORY SESSION

No. of Beneficiary: 150 students

The objective of the activity: The main moto of the introductory session is to introduce the Dais Club to all the first-year students and make them familiar with the vision of The Dais Club.

Outcome of Activity: The new student got familiar with the club. With lots of curiousness, many students were involved in the upcoming sessions of the clubs and participated enthusiastically.

II. **Title of Activity:** Dais Session-1

No. of Beneficiary: 100 students

Objective of activity: The main motto of conducting the session on Group Discussion is to introduce the first round of The Dais- Competition for first-year students.

Outcome of Activity: With this session on GD, the first-year students got familiar with the very important interpersonal skill testing activity and were helped to improve and explore their potential.

III. **Title of Activity:** Dais Session-2

No. of Beneficiary: 40 students

Objective of activity: The session was on Switch Debate, which benefitted students to think on all over aspects of the topic, enhancing their communication skills, presence of mind, refurnishing their soft skills.

The outcome of Activity: It helped the participating students to achieve the desired target of the switch debate. Also, all of the students got familiar with the new topics and the quite new activity.

IV. Title of Activity: PARTICIPATION IN IMPULSE"19

No. of Beneficiary: 3 OC"s of Dais Club achieved 1st Runner Up Position at Impulse"19. 3. The objective of the

Outcome of Activity: 3 of the Dais Club members were the FINALIST in the Competition out of 400+ participants. The OC members also got the experience of learning and competing outside the college campus.

V. Title of Activity: The Dais Competition

No. of Beneficiary: 82 students

Glimpse of the completive world and learned the important skills required

VI. Title of Activity: THE DAIS CLUB WORKSHOP

No. of Beneficiary: 100 students

The objective of the activity: The main objective was to help students to build their attitude, offbeat career, career

activity: It was a mock of campus recruitment process designed to test, shape, and polish and improvise our soft skills with a tagline of "EXCEL THE EXCELLENCE".

The objective of the activity: The aim of organizing this the competition was to reduce the inferiority complex amongst the students and motivate them for impromptu thinking and presentation.

Outcome of Activity: The participating students were guided and encouraged. They had a brilliant

further. All the participants were given the certificate of participation.

building and effective communication skills.

Outcome of Activity: The workshop received a tremendous response from the students' side, as helped them a lot to think, plan and thereby improving themselves The Dais Conclave

Photographs of the dais club workshop

VII. Title of Activity: The Dais Conclave

No. of Beneficiary: 160 students

The objective of the activity: The Dais Club has always been arranging sessions

and workshops for the betterment of students and to increase their confidence. To increase knowledge about various fields and clear many doubts, misunderstanding the club organized this event.

Outcome of Activity: During the interview, many conspicuous questions were asked by the interviewers, in which the resource person explained each one to make the interview worthwhile. Students were highly benefitted as they got the answers and learned so many things.

Photographs of The Dais Conclave

2. **Robo club**

Vision- To implement students' idea and concepts.

A hello friend, our club was established in 2015. The main of forming this club is to participate in the "Robocon" which is an international level event organized by MITCOE Pune.

Along with Robocon, our club has conducted various activities like events under AAVISHKAR, arranging a workshop on Arduino, Raspberry pi, MATLAB processing. Also, our members make different projects. One of our team made drone and participated in Techfest. Here in Robo-club you can improve and implement your subject concept, programming ability, thinking and ideas…

Activity Conducted under Robo Club in Academic year 2019 – 20

1. **Title of Activity: -**Workshop on Robotics

Duration: -22nd December 2019 to 23rd December 2019

Speaker: -Mr. Santosh, ITNium Sangali

No. of Beneficiary: -51

Objective of activity: -

To introduce basic terms of Robotics, to learn real time practical in robotics, to enhance Programming the microcontroller using ARDUINO Interface, to acquire the knowledge of different types of robots

Outcome of activity: -

Learned about real time problems using Robots, enhanced technical information about programming in robotics, Analyzed Projects using Robot, Improved the knowledge of different robots

Photographs of workshop on robotics

2. **Words Worth**

We don't read and write because it's cute. We read and write because we are the member of human race and this filled with passion. While engineering Architecture, Law is noble pursuits, Literature. Poetry beauty are what we stay alive for.

Dead poet's society in the sprite of the same words-worth club was formed in 2017. The goal of this club was to provide a source of literature not just to learn something or study something but enjoy, to imagine and to live something

extraordinary. This club provides a way to read your favorite books and to grow as a community. We believe that it is important for the students at this college to read outside the curriculum to be more aware of this society and the people in it.

The club is expecting its first set of books by March-2018. It will also start conducting meeting for the book club from next semester. We encourage everyone to give it a change.

Activity Conducted under Words Worth Club in Academic year 2019 – 20

I. **Title of Activity:** Advisement of Club (03/11/2019)

Coordinators Name: Mr. Vishal S Lodha, Miss Rutuja S Lohar and Ms. P. S. Tanurkar (Faculty Coordinator)

No. of Beneficiary: 80 + 2(Faculty +students (all Branch))

Objective of activity: Club introduction program me for new members **(new admission students)**

Outcome of activity: To developed interest in reading books rather than technical books.

3. **Yoga club**

Considering the line YOGA club with the mission to help the students to achieve inner peace and outer dynamism, conducts many activities. The vision of taking students to words healthy lifestyle helped to get sharper mind and fit body.

To underline the importance of "Ayurveda" in our ancient culture 'herb plantation' of Be, Aloe Vera, Tulsi, Amla was carried out. Daily session of yoga in hostel was part routing for girl students

II. **Title of Activity:** Held the first session of interaction, book distribution and purchasing of new books

Date of Activity: 02/02/2020

Coordinators Name: Mr. Vishal S Lodha, Miss Rutuja S Lohar and Ms. P. S. Tanurkar (Faculty Coordinator)

No. of Beneficiary: 2 coordinators and 150 students (from each branch)

Objective of activity: Interaction with beneficiaries regarding available books and more purchase.

Outcome of activity: Planed computerized system Reduce manual work for issuing books and maintained record through.

warm up, sun salutation (Surya namaskar), different Asanas and Pranayama were included in it. Especially meditation filled their day with peace and joy. Guest lecture, Celebration of yoga day, sun salutation day are queued to create awareness about yoga practice and nutrition. Club and club members are enthusiastic to lead young collegians to be more dynamic, more peaceful and eternal joyous

Activity Conducted under Yoga worth Club in Academic year 2019 – 20

I. Daily Session of Yoga

II. GUEST LECTURE BY Dr. Vijaya Kadam

No of Beneficiary: Student (50), faculty

Objective of Activity:

In today's rush of life, human being is very much focused in physical progress. In this hustle and bustle, he has lost all his naturalness and facing problems on physical and mental level. To be fit and

Outcomes of Activity:

Studies have shown that everyone who undergoing a regular fitness regime has a generally higher level of happiness at every aspects of life. To maintain and gain happiness in our everyday life yoga is easy and suitable for everyone to keep

fine in this unnatural and hybrid lifestyle we have great boon by ancient Indian civilization. Yoga is a mind and body practice with historical origins in ancient Indian philosophy.

fitness on good track. Makes You Confident: Did you know that fun yoga such as Pranayama make you feel confident and happy? Yes! Not just that, you find expression in what you do and feel stress-free at the same time

Photographs of activivties in yoga club

4. Open source

The term "OPEN SOURCE" refers to something people can modify and share because its design is publicly accessible. Open source software who have access to computer programs source code improve that program by

.

adding feature to it or fixing part that don't always work correctly. Our objective is to build promote and setup open source software. We have conducted various activities under club like study open source software for our institute and society

5. Electro chasers

The Electo-Chasers club is established in 2017. The main aim of forming a club is

to create awareness about recent electronic advancement in all disciplines and to motivate and help students to implement their ideas for all branch students.

In this club, we had taken a workshop on Proteus software (Circuit designing and simulation software), conducted an interactive session on PCB printing steps. We have organized a lecture on project management by Sanjay Jogalekar. Also, under club students went to other colleges for competition. In this club, you can build concept and follow your hobby.

Activity Conducted under Electrochaser Club in Academic year 2019 – 20

I. **Title of Activity: -**Workshop on Software Testing

Duration: -31st July 2019 to 1st August 2019

Speaker: -Mrs. Manali Takle, ITnium, Sangali

No. of Beneficiary: -50

Objective of activity: -

To improve Fundamentals of Software Testing, to analyze the Importance of Testing in SDLC, to enhance capacity of testing in terms of software**,** to establish awareness of database

Outcome of activity: -

Enhanced knowledge of Software Testing, learned testing of software in detail, Developed

II. **Title of Activity: -**Workshop on Python Programming

Duration: -31st August 2019 to 01st September 2019

Speaker: -Mr. Nilesh Takle, ITnium, Sangali

No. of Beneficiary: -75

Objective of activity: -

To improve Fundamentals of Python Programming, to analyze the Importance of Python Programming, to enhance capacity Practical Approach towards Python Programming, to establish awareness of python programming

Outcome of activity: -

Enhanced knowledge of Python Programming, Learned Python Programming in detail, developed

Photograph of Workshop on Software Testing

Photograph of Workshop on Python Programming

III. **Title of Activity: -**Workshop on Basic Fundamental to Advanced MATLAB & Simulink

Duration: -28th September 2019 to 02nd October 2019

Speaker: -Mr. Gunjan Gupta, Telemate Helper Pvt. Ltd. Delhi

No. of Beneficiary: -55

Objective of activity: -

To introduce MATLAB Software Overview, MATLAB User Interface &

IV. **Title of Activity: -**MTA Certification on Python Programming

Duration: -30th September 2019

Speaker: -Mr. Nilesh Takle, ITNium, Sangali

No. of Beneficiary: -07

Objective of activity: -

To develop his or her career for IT related Jobs, to achieve advance

Environment, to enhance Programming in Scripts and Functions, To Learn Types of Files Created by MATLAB, to introduce Simulink Software Overview

Outcome of activity: -

Learned about Types of Files Created by MATLAB, Enhanced Applications of Simulink, Analyze Creation of scripts and Functions, Improved the knowledge of Simulink Software Overview

certifications, to use a specific technology or perform a particular IT job role, to improved skills to hiring managers and employers

Outcome of activity: -

Learned about Python & job sector in IoT, Enhanced practical Approach on Python Programming,

Photographs of workshop on MATLAB & MTA

V. Title of Activity: -Techfest event at I.I.T., Bombay

Duration: -06th October 2019

Speaker: -5 teams from electrochasers club

No. of Beneficiary: -17

Objective of activity: -

To perform various tasks like crossing hurdles, avoiding obstacles and carrying the block to the deposit region, to learn real time problem solution, to enhance the knowledge of practical approach, to analyze the analytical thinking

Outcome of activity: -

Learned about real time problem solution, enhanced logical thinking, analyze programming on different platform of projects, improved the knowledge of different platform of projects

VI. Title of Activity: -National Students Space Challenge 2019, I.I.T Kharagpur

Duration: -01st November 2019 to 3rd November 2019

Speaker: -Mr. Shreyas Mane, Mr. Ankit Mawale, G.C.E., Karad

No. of Beneficiary: -08

Objective of activity: -

To perform various tasks like crossing hurdles, avoiding obstacles and carrying the block to the deposit region, to learn real time problem solution, to enhance the knowledge of practical approach, to analyze the analytical thinking

Outcome of activity: -

Learned about real time problem solution, enhanced logical thinking, analyze programming on different platform of projects, improved the knowledge of different platform of projects

Photographs of workshop on Techfest event at I.I.T., Bombay

Photographs of workshop on National Students Space Challenge 2019, I.I.T Kharagpur

VII. Title of Activity: -Internship Program on Interstellar Telecommunication System, Model Rocketry and Drone Technology

Duration: -16th December 2019 to 21st December 2019

Speaker: -Mr. Dhairyashil Patil, Mr. Nitin Kumar, Mrs. Apurva Jakhadi, Mr. Indra Narayan Choudhary, Mr. T. K. Sundar Murthy, SDNx, New Delhi

No. of Beneficiary: -58

Objective of activity: -

VIII. Title of Activity: -Techfest at I.I.T., Bombay

Duration: -03rd January -5th January 2020

Speaker: -05 Teams of Electrochasers Club members

No. of Beneficiary: - 17

Objective of activity: -

To perform various tasks like crossing hurdles, avoiding obstacles and

To introduce Wireless communication terms, to learn real time practical in wireless communication, to enhance Model Rocketry approach, to acquire the Rocket simulation software

Outcome of activity: -

Learned about real time problem in Wireless communication, enhanced technical information about model rockets, Analyzed Projects from SDNx Space Academy, Improved the knowledge of different Drone UAV Course

carrying the block to the deposit region, to learn real time problem solution, to enhance the knowledge of practical approach, to analyze the analytical thinking

Outcome of activity: -

Learned about real time problem solution, enhanced logical thinking, analyze programming on different platform of projects, improved the

knowledge of different platform of projects

Photographs of workshop on Internship Program on Interstellar Telecommunication

Photographs of workshop on Workshop on 3D Augmented Reality

IX.   **Title of Activity: -**Workshop on 3D Augmented Reality

Duration: -14[th]March -15th March 2020

Speaker: -Mr. Sumit, Infezeal Technology, New Delhi

 No. of Beneficiary: -51

Objective of activity: -

To perform AR Video playback applications, to learn AR Greeting Applications, to enhance the knowledge of Unity 3D Software, to analyze the AR & VR

Outcome of activity: -

Learned about AR Applications, designing of applications on Unity 3D Software, Analyze user.

6.   **The Contriver**

The purpose of starting the club was to create awareness about the greatest revolution after internet i.e. Internet of Thing. The world is expecting more than 50 billion IoT products by the fall of 2020 and in order to make ourselves competent, for this upcoming trend, we started this club. Under this club we plan to learn, create various aspects of your life that can be customized using IoT. In

spirit of the same, the club started a professional Python training in January 2018. The training will include everything from learning Python to build a very own IoT product using raspberry pi. The club has also planned to buy Raspberry Pi, sensors and different components so that the students would have a hand-on experience.

Activity under Contriver club in AY 2019 -20

Title of Activity: Embedded C programming workshop by Nibban Enterprises, Kolhapur

No. of Beneficiary:61 students (Second Year B.Tech. Electronics & Telecommunication Engineering)

Objective of activity: To enhance the skills of our students on Embedded C programming, Hands on work experience to students of 8051 Interfacing with, Proteus software, Project based learning through Industry experts.

Outcome of Activity: -

7. **Divine club**

   "**Helping hands are better than praying hands**"

   As we are a part of society it is our responsibility to contribute for community. If you have strong desire to do so, then divine club is right place for you. Under shelter on this club we perform social activities and in correspondence to it, our college has adopted Goware village. The motto of our club is to develop Goware village in technically, socially, economically, etc. Being engineer, we try to provide technical solution to the problems faced by villagers.

Activity under Divine club in AY 2019 -20

The prerequisite for the workshop was basic introductory knowledge of 8051 Micro-controller. The programming skills of Embedded C gives added advantage to the second year B tech students. The hands-on experience of using Proteus8 simulation software for 8051 Micro-controller & its interfacing to different devices viz. Stepper motors, DC motors, switches, relays, LED's, Seven segment displays. Embedded C Programming for 8051-Time delay, I/O programming, Logic operations & Data conversion has been taken by Industrial resource person Mr. Raviraj Phule & his colleague.

I. **Title of Activity:** A cleaning program in flood affected area on 4/09/2019 at Shirol, Dist.- Kolhapu**r**

   No. of Beneficiary: 1000 (Shiroli town)

   Objective of activity: Cleaning program in flood affected area.

   We the students of divine club collaborated with NSS team of our college, and on 4[th]Sept 2019 our team of 23 members moved to Shiroli 50km from Karad.

   Outcome of activity: In flood affected area we had given social service which was very much helpful to the peoples of Shiroli.

II. **Title of Activity:** Corona Virus and ecofriendly Holi awareness program at Zilla Parishad School, Goware Tal- Karad on 13/03/2020

No. of Beneficiary: 58 students.

Objective of activity: Corona Virus and ecofriendly Holi awareness.

8. **GCEK HERALD**

New letter- GCEK HERALD is college Newsletter which highlights the, development of college. The newsletter also publishes institute scientific article written by staff and students there are

9. **SPIC MACAY**

Society for promotion of Indian classical music and culture is a nonprofit origination to promote Indian culture and music amongst college students. Spic Macay holds musical concerts, seminar, workshops to promote music

.

10. **Aerobics & Zumba Club: -**

Title of Activity: 1. Daily Session of aerobics and Zumba

Guest lecture by Tasnim Sayyad

No of Beneficiary: 50 to 60 Student, Ladies faculty

Objective of Activity: Zumba wins on Entertainment and is a better choice for those who love to Dance. Aerobics gives you a more muscular body because of body-part focus and is a good gym

Outcome of activity: Students are come to know which precautions need to take related with corona virus and Holi so that we can have good health.

some real column like alumni columns like alumni corner, news from various department, ongoing activities on the campus, research problem. The newsletter is the mirror of the activities of Govt. College of Engineering Arad

and Indian culture in college campus. Spic Macay holds more than 1 Lakh programs per year throughout all educational campuses in India and abroad. The first program in GCEKARD was s organized by performance of Mangiars of Rajasthan

replacement. This Both activities help maintain health. We are creating awareness about aerobics and Zumba.

Outcomes of Activity: 1. Studies have shown that everyone who undergoing a regular fitness regime has a generally higher level of happiness at every aspects of life. To maintain and gain happiness in our everyday life Aerobics& Zumba is easy and suitable for everyone to keep fitness on good track. 2. Makes You

Confident: Did you know that fun aerobic dances such as ballroom dancing make you feel confident and happy? Yes! The more you dance, the happier you feel!

Not just that, you find expression in what you do and feel stress-free at the same time.

Photographs of Daily Session of aerobics and Zumba

11. **Startup/Incubation Club: -**

I. **Title of Activity:** 3d game and virtual reality

No. of Beneficiary: 40

Objective of activity:

To enhance the skills of our students on virtual reality, Hands on work experience on creating games in 3D module, Working in 3d module in software,

Outcome of Activity:

Learn Basic Functions of 3D Unity, design a Basic ball game using Unity Software Design an Advance ball game using Unity Software, Created Coins with animation Designing sky boxes, mountains, trees, water etc., designing a Virtual Maze game,

II. **Title of Activity:** Introduction of communication skills and development

No. of Beneficiary: 50

Objective of activity:

Communication Medias, Self Confidence and Self Belief, Time Management, Resume Writing, Interview Skills, Advance knowledge of Excel.

Outcome of Activity:

To develop the interview skills, Effective Resume writing, Learned to balance between personal and professional lives, A shift in mindset helped him /her to upgrade and develop himself mentally, emotionally and physically to achieve whatever he/she had only dreamt of.

Photographs of workshop on 3d game and virtual reality

Photographs of workshop on Introduction of communication skills and development

12. Competitive exam club

This club is to intensively guide the students who are preparing for competitive examinations like UPSC, MPSC, etc. the main objective of this club is to provide and develop resources and facilities for the aspirants of competitive exams.

Through this club, have arranged the **guidance lecture by Mr. Ajay Patankar**,

alumni of our college and currently working as a Chief Officer. He inspired students by sharing his entire journey. He cleared different myths and concepts regarding the exam. He also mentioned some of his personal experiences. This lecture encouraged aspirants for career in civil services.

Photograph of guidance lecture by Mr. Ajay Patankar

Club also arranged a lecture by **Mr. Shashikant Boralkar**, who gave a guideline for preparations of studies. He introduced new perspective towards examinations and showed reality about the current

competition for these exams and guided us about how to prepare for different subjects in different manners.

Photograph of lecture by Mr. Shashikant Boralkar

Clubs have provided a **platform (WhatsApp group) to the students for interaction with current working officers and** connected aspirants with alumni of college who had cleared this exam. Clubs aspirants interacted with **Audumbar Patil,**

.

Tehsildar in state services, who shared his experiences with us. He also showed different paths and gave information about this sector in detail. He inspired us as well as informed us about different sector through these exams where we can give a try

Photograph of interaction with Audumbar Patil

Club has provided resources in the form of necessary books and also aimed to arrange lectures of different topics and

13. MESA (2019-20)

Activity Report

I. GRE & TOFEL Guidance lecture

MESA organized GRE and TOFEL guidance lecture on 16 Aug 2019. Mr. Swapnil Throat sir was the speaker of the session. The session was held in mechanical department classroom no 1. Felicitation of honorable speaker was done by prof. S H Patil sir. The event started at 3:00 pm and ended by 5:00 pm

subject to help our aspirants in preparation of their exams and to help them achieve their goals.

Speaker: Mr. Swapnil Thorat (Alumni of GCEK)

ME in production engineering from GCEK in 2016

Incoming graduate in industrial and systems engineering dept with specialization in production and manufacturing systems engineering at Rutgers, The State University of New Jersey.

Photographs of guidance lecture of Mr. Swapnil Thorat

II. Drawing competition

MESA organized drawing competition on teacher's day. This event was held in drawing hall of mechanical Engineering department under the guidance of Prof. Abhinandan Kumar Jha. 30 students

participated in this competition and 3 ranks were declared. The judge of this competition was Prof. S.A. Morkhade. Competition started at 5:00 pm and ended by 7:30 pm.

Photographs ofDrawing copetitation organised by MESA

III. Teacher's day Celebration

MESA celebrated teacher's day on 5thSept 2019. This program started at 4:30 pm in classroom 1 of Mechanical Department. All teachers were felicitated by students. Prof. Dr. R. K. Shrivastava Head of department mechanical engineering gave his valuable guidance. Prof Dr. A.R. Acharya and Prof S.S Jadhav shared their experience. Students also expressed their gratitude towards teacher. Vote of thanks was put forth by Avdhoot Patil.

Photograph of Teachers Day Celebration Organized by MESA

IV. Session on design of Transmission system

MESA organized a session on design of transmission system on 9 sept 2019. Honorable speaker of this session was Mr. Chaitanya Kulkarni. He is currently working in Advanced Sub-System Design Integrator; Rolls-Royce India Pvt. LTD. Felicitation of Honorable speaker was done by Prof S.H Patil sir. He guided students on the topic of Aeroplane transmission system, Failures and safety in transmission system, Gas turbines, Gearbox Design. This session started at 11: 00 am and concluded at 1:00 pm.
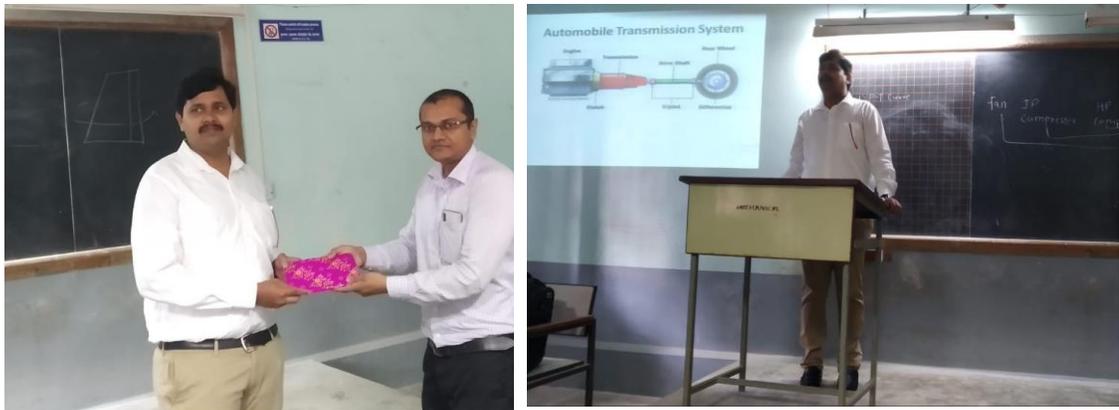
Photographs of expert lecture of Mr. Chaitanya Kulkarni

V. Group Discussion

MESA conducted group discussion session under guidance of Prof. S. H. Patil sir. Various topics related to recent scenario were discussed under this session. This activity was conducted on working day from 5:15 pm to 6:30 pm in Classroom 1 of MED.

Photograph of group discussion organized by MESA

VI. Lecture on leadership and managerial skills

MESA organized guest lecture on leadership and managerial skills on 10thFeb2020. Dr. Hemlata Gaikwad was the speaker of the session. The session was held in mechanical **Speaker: Dr. Hemlata Gaikwad HoD Management studies, RIT Islampur.**

department classroom no 1. Felicitation of honorable speaker was done by prof. S H Patil sir. The event started at 5:00 pm and ended by 6:00 pm. She guided students on leadership and managerial skills for budding engineers.

VII. Lecture on career opportunities for mechanical engineers in software industries

MESA organized guest lecture on career opportunities for mechanical engineers in software industries on 8thFeb2020. Dr. M.S. Kale was the speaker of the session. The session was held in mechanical department classroom no 1. Felicitation of

honorable speaker was done by Dr. R.K. Shrivastava sir. The event started at 11:30 pm and ended by 1:00 pm. He guided students on career opportunities for mechanical engineers in software industries.

Speaker: Dr. M.S. Kale Manager-R&D, Siemens PLM software India Pvt. Ltd.

VIII. Indian Engineering Services Exam Guidance lecture

MESA organized Indian Engineering Services Exam guidance lecture on 8th Feb 2020. Mr. Omkar Throat sir was the speaker of the session. The session was held in mechanical department

14. **SAE (Society of automotive engineers)**

SAEINDIA is an affiliate society of SAE International, registered as an Indian non-profit engineering and scientific society dedicated to the advancement of mobility community in India. As an individual member driven society of mobility practitioners, SAEINDIA comprises members who are individuals from the mobility community, which includes engineers, executives from industry, government officials, academics and students. Principal emphasis is placed on transport industries such as automotive, aerospace, and commercial vehicles. In 1960 this prestigious institution was established.

Vision:

To be center of excellence in engineering and management education, research and application of knowledge; to benefit society by blending ethical values with globally relevant learning

Mission:

classroom no 2. Felicitation of honorable speaker was done by prof. S H Patil sir. The event started at 1:15 pm and ended by 3:00 pm

Speaker: Mr. Omkar Thorat IES AIR 31.

To gain out of the classroom engineering education, encourage research and development, to evolve innovative applications of technology and develop entrepreneurship, to mould the students into socially responsible and capable leaders.

Objectives of SAE club

- To provide members opportunities to gain broader insight into engineering professions.

- To encourage students to put theory into practice and supplement their theoretical knowledge with hands on practical training in the field of engineering.

- To foster an environment of creativity and innovation by conducting interactive practical programs. To provide students opportunities to gain experience in administrating organizational activities conducting

meetings, taking part in committee activities.

A) SAE BAJA

VISION: To be keen learners, joyful givers and confident team players

MISSION: We commit at designing quality products and to Adapt vehicles to nature rather than Adapting nature for vehicles

The BAJA SAE Series is an event for the undergraduate engineering students, organized globally by the Society of Automotive Engineers, USA. The event originated in the name of Mini - BAJA, in the year 1976 at University of Carolina. Since then, the event has spanned across six countries – USA, Mexico, South Africa, Korea, Brazil and India. The BAJA SAE tasks the students to design, fabricate and validate a single seater four - wheeled off road vehicle to take part in series of events spread over a course of 3 days that test the vehicle for the sound engineering practices that have gone into it, the agility of the vehicle in terms of gradeability, speed, acceleration and manoeuvrability

- To stimulate student participation in projects that requires the application of knowledge and promotes professional growth.

characteristics and finally its ability to endure that back breaking durability test.

Objectives of our SAE BAJA

- To provide members opportunities to gain broader insight into engineering professions.

- To encourage students to put theory into practice and supplement their theoretical knowledge with hands on practical training in the field of engineering.

- To foster an environment of creativity and innovation by conducting interactive practical programs. To provide students opportunities to gain experience in administrating organizational activities conducting meetings, taking part in committee activities.

- To stimulate student participation in projects that require the application of knowledge and promotes professional growth.

- The objective of the competition is to simulate real world engineering design projects and their related

challenges. Each team's goal is to create a safe, easily transported, easily maintained and fun to drive prototype without any direct involvement from professional fabricators.

Photographs of developing stages for SAE BAJA

Photograph of final phase of event for SAE BAJA

ACCOMPLISHMENTS:

A) Technical Events:

Sr. No.	Events Details	AIR
1	Acceleration Round	4
2	Maneuverability	8
3	Endurance Race	16

| 4 | Design Evaluation | 4 |
| 5 | Sledge Pull | 9 |

B) Non-Technical Event

Sr. No.	Events Details	AIR
1	Sales and Marketing	2
2	Cost Round	Scored 74.3/100

C) **TIFAN**

TIFAN stands for "**T**echnology **I**nnovation **F**orum **for** **A**griculture **N**urturing". It is basically an off-Highway board competition started by SAEINDIA. In 2010, Off-Highway board was established, which caters to the aspect of mobility engineering related to all vehicles / equipment operated in rough terrain, mining, farm

.

and non-track e.g. agriculture. It provides platform for connecting the bright and prosperous engineering talent available in the country with the real-life challenges of agriculture sector. Through this program students from engineering and agricultural colleges across India will participate in providing innovative solution towards product design & development challenge

Event Photograph of TIFAN Competition

D) EFFI CYCLE

- **EFFI CYCLE**" derived from Efficient-Cycle promote the objective of providing opportunity to the students to conceive, design and fabricate a three wheel configuration vehicle powered by human-electric hybrid power and capable of seating two passengers catering to the day to day mobility needs.

- The vehicle must be aerodynamic, engineered for performance & safety and ergonomically designed.

- The objective is to promote innovation and generate consciousness amongst the young engineers towards environment friendly mobility solution.

- The Competition is held in LPU, Jalandhar, and Punjab. **140** Teams all over India participate in this competition.
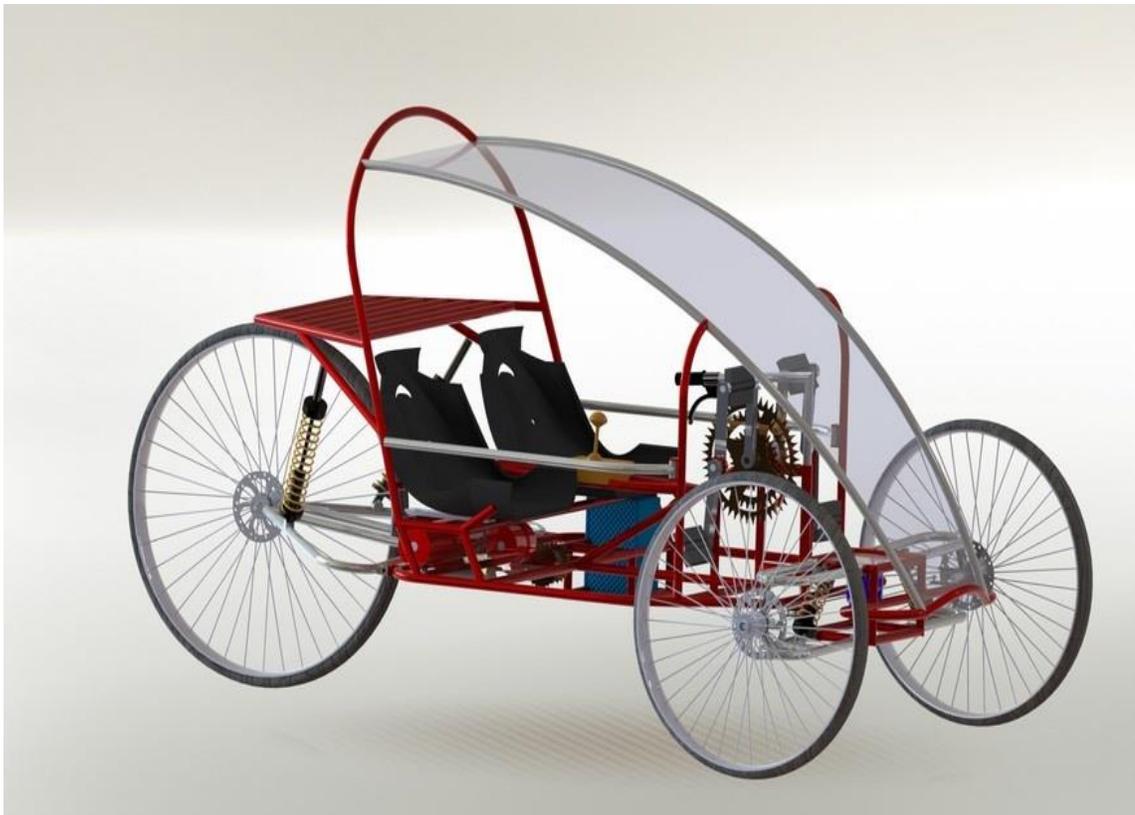
Fig. BASIC MODEL OF EFFICYCLE

ACCOMPLISHMENTS:

- TEAM HURRICANE participated in EFFICYCLE 2k18 and achieved AIR 33.
- TEAM DEMONS participated in BAJA the biggest and prestigious engineering competition for the first time and has cleared virtual with 115th Rank out of 400 teams.
- TEAM GCEK participated in Go-kart Non-SAE event and achieved 33rd rank.
- SAE Club conducted AUTOEXPO in Aavishkar 2k19

15. Club: Cyber Security Club

Activity: Two days' workshop on "Cyber Security & Ethical Hacking"

Resource Person: Ajinkya Lohakare, CTO & Founder of Social-Spectra & Dreamssofts

Total Participant: 65

Total Expenditure: Rs.19000

Photographs of workshop on Cybersecurity & Ethical Hacking

8.4 Innovation and Incubation center

Government College of Engineering, Karad has established CIIS Start-Up and Incubation Cell. The Startup Cell envisioned having enrolment of start-ups and supporting self-entrepreneurship for students and faculties. This facility is going to be made available to all budding entrepreneurs of the region. The Aim of CIIS Start-up and Incubation Cell is to facilitate, promote and nurture entrepreneurship. Nurturing environment leads for young start-up and spin-out technology companies; alleviating their survival and growth, thus encouraging them to reach their full potential. The Cell aspires to develop individual talent, skills and personality to give each business the best possible start, thus fostering entrepreneurship at a local and national level.

The Objectives of CIIS Startup Centre are:
- To nurture culture of innovation at campus.
- To inculcate a culture of innovation driven entrepreneurship.
- Helping idea to translate into reality and upgrade them to the level of commercial value.
- To promote new technology/ knowledge/ innovation-based start-ups.
- To encourage solving real problems.
- To create value added jobs and services.
- To provide a platform for speedy commercialisation of technology developed by new entrepreneurs.
- To build a vibrant start-up ecosystem, by establishing a network between academia, financial institutions, industries, and other institutes.

The following facilities are provided to register startup entity:
- Furnished as per the requirement of the entity
- Internet, electricity, and water facility
- Hostel facility and Guest House Facility: Rooms are available in reasonable rate for Start-up Centre in Guest House in GCE Karad campus.
- Laboratory and Workshop facilities
- Library facility
- Support for legal and financial advice by empanelled consultants
- Mentoring support from institute
- Interactive workshops with Angel Investors and Venture Capitalists
- Facilitation of bank loan

- Canteen and Food Facility: Food/ Snacks/ Tea available in GCEK canteen, which is situated at 50 yards distance from the Start-up Cell.

Photograph of CIIS GCEK

Strategy:

CIIS committee of GCE Karad accepts application for start-ups scrutinises the application and takes decision regarding the conceptualisation, funding and commercialization of project. The projects are incubated in IIS with mentoring and all possible help is provided then graded depending on grading system the project are seed funded from INR 10000 to 1 lakh and in later stage are sent to financial organisation like venture capitalists and other financial companies for further growth and funding.

CIIS GCE Karad takes into consideration for Start-up

- ➢ Idea Generation: -
- ➢ Commercialize
- ➢ Concept
- ➢ Solution

CIIS organizes regular meetups of venture capitalists and other financial companies from time to time

Idea Generation

START – UP

Commercialize

Concept

Solution
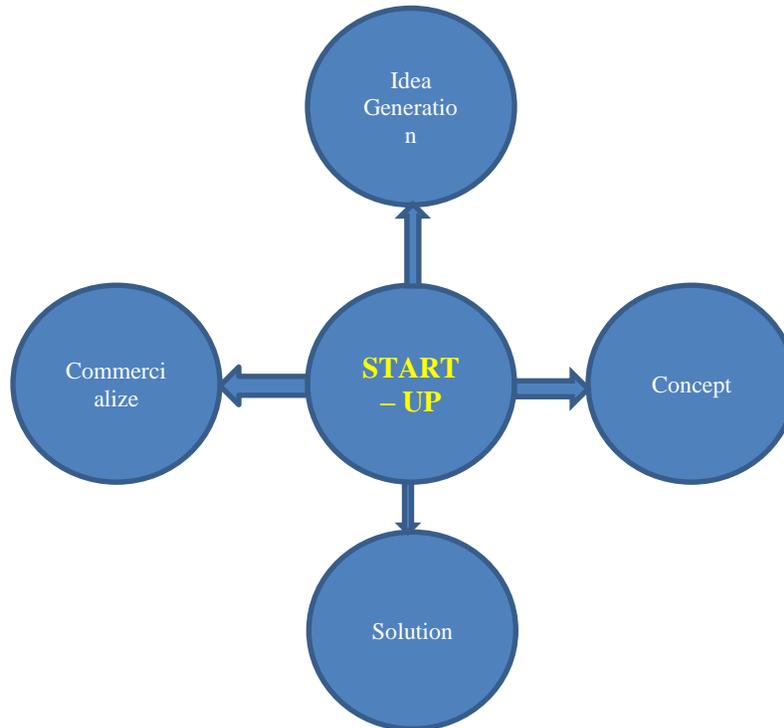
Representation at National Start UP SUMMIT Organized by AICTE

AICTE meet at Science Congress at IIT Madras

AICTE New Delhi the apex organized a workshop for start-up activities during Science Congress at Chennai. It was addressed by the vice chairman Of Niti Ayog and Dr Bhatkar. The workshop was addressed by several successful start-up owners.

Our Institute represented the workshop. Very few institutes had privilege to attend the worship GCE Karad was represented by Dr R B Kulkarni

Meeting with Mr. Sanjay of Kerala start up Village and several start-up owners during the science congress

Proposal to Atal Incubation Centre

The Institute has applied for Atal Incubation Lab. The NITI Ayog has started Atal Incubation Lab where in each will get a finance of 10 crores to start incubation activities in their institute. The Institute has also applied for other start-up activates grant to Govt and Non-governmental Institutes.

Entrepreneurship Orientation and Incubation Program with Millennium minds

The institute has a done an MOU with Millennium minds an NGO working to promote business and start-up activities in the institute

The founder of Millennium minds Upendra Raiand startup founder conducted a one-day workshop on the experiences of starting a Startup. They elaborated how startups will help to ease the burden job vacancy Millennium minds is also helping to conduct more programs with the help of successful entrepreneurs

GCEK Satara Entrepreneur meets at Government College of Engineering Karad

The Institute organized the a summit of Entrepreneurs in and around Satara .The founder of Sun candles from Mahableshwar Bhavesh Bhatia who is successful Entrepreneur was invited for inaugural talk Mr. Bhavesh being Blind has done remarkable progress in business in order to promote him as role model GCEK invited him for the program. The sessions were specifically in tune with the government of India start up policy and start up India initiative Start-Up India, Stand-Up India, MUDRA Yojana, &Other Funding Resources Start-Up Stories of Engineers Flipkart | OLA Cabs | Paytm | Rebus Getting Started your Business through Startup India Learning Program Online e-Biz Portal were conducted .

The second session was an open forum conducted with seven entrepreneurs from Satara district. These start-up founders shared their business success with the students. The students also participated in big numbers. The response from the students was very excellent. The program in a ling run will inspire many students to become and entrepreneur himself

IIC activity Report 2019-20

Centre of Innovation Incubation and start-up is conducting various advanced activities such as Rapid prototyping, 3D printing, and Augmented Reality & Virtual reality for research purpose for BTech and MTech students.

3D printing

Radial engine **Sun and Planet gearing mechanism** **Geneva mechanism**

Oldham coupling mechanism **Withworth quick return mechanism** **Helical gear mechanisms**
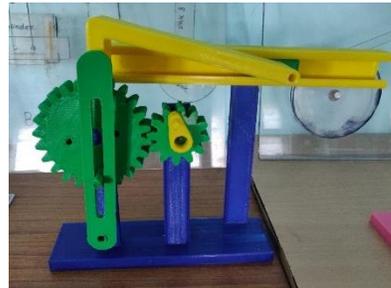
Beam engine mechanism **Cam and Follower mechanism**
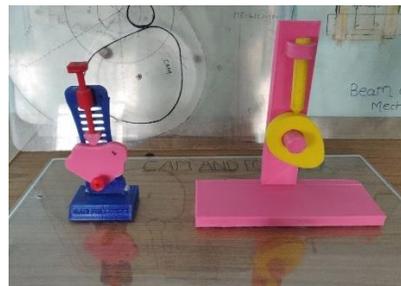
Models were designed and 3D printed for study and demonstration purpose by **Mr. Sumeet M Alhat** (S. Y MTech. Production Engg.)

Innovative ideas on multi-colour 3d printing was implemented by Mr. Dipen Palwankar (T.Y Information Technology)
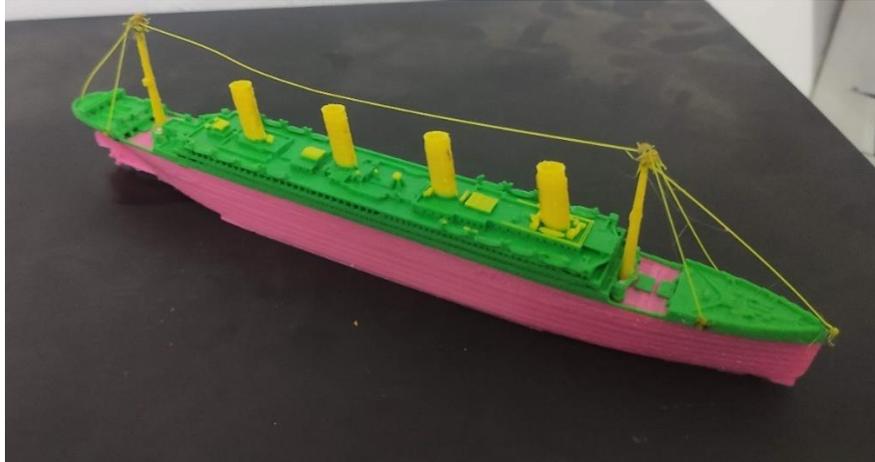
- **Lithopone:**
  - ➔ We have also designed and 3D printed Lithopone.
  - ➔ These are 2 D images converted into 3D. The images were given depth based on the intensity of the colour in different parts of the image, i.e., darker the colour means more its thickness.
  - ➔ Due to this, we can see the actual image when light is shined through its back side.

Printed Examples:
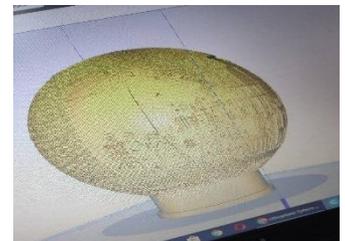
Incubation Centre Activity Report

1) **Basics of 3D Printing – Workshop by Rio 3D Printers**
   - A one-day workshop on basics of 3D printing. Slicing was explained and demonstrated using CURA slicer. Different parameters were explained according to different types of

applications. They also showed previously printed models, printed with different parameters provided through CURA software.

2) **Integration of IOT and AR – Workshop by PTC, Pune**

- A workshop focusing to give an insight on Industry 4.0 and the new methods and technology that will be adopted to make detection, analysis and execution more efficient and easier to carry out.

- .

- Main technology demonstrated was integration of Internet of things (IOT) with Augmented Reality (AR) in industries.

- They also showed their ongoing projects that will be deployed in industrial systems

3) **Storytelling session – Vikram Aditya Gaikwad, founder Ascent Games**

- A session organised to share experience of senior students with their juniors so that they can get an insight of the work ethic and method required to practically apply their knowledge.

- The main speaker was Mr. Vikram Aditya Gaikwad, founder Ascent Games, who shared his story of how he worked on his passion of game development and turned it into a company and is producing games on Google Play Store.

4) SIH Awareness – Webinar

- A live webinar arranged by SIH to inform and encourage students to participate and innovate in the Smart India Hackathon (SIH).

5) VR Equipment – Demonstration

- The latest Virtual Reality equipment was demonstrated, and setup was explained to students and an insight was given on how this technology has applications in different fields like medical, military, aviation, etc.

- The Samsung HMD Odyssey was used.

6) 360 Image capture – Demonstration

- 360 Image capture technology was demon applications.

7) Drone Technology – Demonstration

- The latest drone technology was demonstrated using the DJI Phantom 4 Drone (Quadcopter).
- The software for controlling was explained and students were briefed about application in different fields.

8) WORKSHOP ON 3D GAME AND VIRTUAL REALITY: -

- Session 1:
- Day one of the workshop was full of enthusiasm and excitement for the students as Virtual Reality was new Concept to them. At first, they explained the things about basics of software that can used for this VR and where it is used. It was a brief introduction about uses and importance of Augmented and Virtual Reality (AR and VR).

- Introduction to Virtual Reality
- Overview
- Planning
- Technologies
- AR VS VR (AUGMENTED REALITY VS VIRTUAL REALITY)
- DISPLAY TECHNOLOGIES
- Head Mounted Display
- Contact lenses
- Eyeglasses
- Handheld devices (Mobiles, Tablets etc.)
- VR Applications
- Software Distribution
- Session 2:
- 3d unity
- Software Installation
- Working on 3d unity
- Basic Functions of 3D Unity
- Basic ball game design using Unity
- Advance ball game design using Unity
- DAY-2
- Session 3:
- Designing an environment like "Temple run game"
- Creating Coins with animation
- How to display a score
- Designing sky boxes, mountains, trees, water etc.
- Designing a Virtual Maze game

- Session 4:
- Virtual Reality Kit distribution
- Virtual Reality Google Headset building

- Demonstration of live VR projects developed by students.

9) GUEST LECTURE ON "INTRODUCTION OF COMMUNICATION SKILLS AND DEVELOPMENT"

The topic was introduction of communication skills and development. The speaker for the session was Mr. Amol Krale. He gave us the general introduction to the different communication skills. All the first-year students were of full of enthusiasm and excitement as sir shared many of his life experiences and communicated with

students freely. The knowledge of interview skills and develop skills for personality was given.

8.5 Sports and other activities

REPORT OF THE SPORTS ACTIVITIES IN YEAR 2019-20

• We have gymkhana of 3000sq ft to play indoor games.

• Our college students take part in 14different sports and around 200 students participated in zonal and few of them also selected for Inter zonal tournament. Students participated in zest 2020. (All India Inter Engineering Tournament organised by COEP).

• Volleyball team and 1 Athletes participated in Aavhan, IIT Bombay.

ZONAL and INTER ZONAL TOURNAMENTS

• Table Tennis (Men) team of college got 3rd place in Zonal sports and got 2nd place in Inter Zonal tournament.

• Football (Men) team of college got 4th place in Zonal sports and qualified for Inter Zonal tournament.

• Chess (Women) team of college got 2nd place in Zonal sports and qualified for inter zonal tournament.

• Basketball (Men) team of College got 2nd Place in Zonal Sports and qualified for Inter Zonal Tournament.

• KHO-KHO (Women) team of College got 4th Place in Zonal Sports and qualified for Inter Zonal Tournament.

• Badminton (Men) team of college got 3rd place in Zonal sports and qualified for Inter Zonal tournament.

• Baseball (Men) team of College got 4th Place in Zonal Sports and qualified for Inter Zonal Tournament.

ZEST 2020 (Inter Engineering Sports Championship)

Athletics: -

> Sonal Sangade   100m   2nd place
> Sonal Sangade   200m   1st place
> Sonal Sangade   400m   2nd place
> Sonal Sangade   100m Hurdles   1st place
> Sonal Sangade   400m Hurdles   1st place
> Poonam Dhumal   800m   1st place
> Poonam Dhumal   1500m   1st place
> Poonam Dhumal   100m Hurdles   1st place
> Shivani divekar   long jump   1st place
> Manasi chougule   tripal jump   1st place
> Manasi chougule   long jump   2nd place
> Manasi chougule   400m hurdles   2nd place
> Girls Relay   4*100   1st place
> Mix Relay   4*100   2nd place

By achieving this great success, we also got best athlete award

Sonal sangade: Best athlete of ZEST2020

AAVHAN 2019(IIT BOMBAY)

Inter Engineering Sports Championship

• Atheletics:

| Sonal Sangade- | 100 mtr | 2nd place |

| Sonal Sangade- | 200mtr3rd place |

Volleyball (Boys) team played Semifinal in Aavhan.

Zonal/ Inter Zonal at a glance

SR.NO.	NAME OF THE GAME	M/W	LEVEL	PLACE
1	CHESS	M	ZONAL	PARTICIPATED
2	CHESS	W	ZONAL	2ndRank
3	CHESS	W	INTER-ZONAL	PARTICIPATED
4	TABLE-TENNIS	M	ZONAL	3rd Rank
5	TABLE-TENNIS	M	INTER-ZONAL	2ndPLACE
6	BADMINTON	M	ZONAL	4thPLACE
7	BADMINTON	M	INTER-ZONAL	PARTICIPATED
8	FOOTBALL	M	ZONAL	4th PLACE
9	FOOTBALL	M	INTER-ZONAL	PARTICIPATED
10	BASEBALL	M	ZONAL	4thPLACE
11	BASEBALL	M	INTER-ZONAL	PARTICIPATED
12	VOLLEYBALL	W	ZONAL	PARTICIPATED
13	HANDBALL	M	ZONAL	-
14	BASKETBALL	M	ZONAL	-
15	BASKETBALL	W	ZONAL	PARTICIPATED
16	KHO-KHO	W	ZONAL	3rd PLACE
17	KHO-KHO	W	INTER-ZONAL	PARTICIPATED
18	KHO-KHO	M	ZONAL	PARTICIPATED
19	ATHELETICS	M/W	ZONAL	PARTICIPATED

20	KABADDI		M	ZONAL	PARTICIPATED

SPORTS CARNIVAL **(INTER CLASS GAMES)**

First time in the history of GCEK 11 different sports and 982 students were participated in SPORTS CARNIVAL and its huge achievement by Gymkhana dept.

SR.NO.	NAME OF GAME	M/W	WINNER	RUNNER
1	CRICKET	M	BE MECH	TY CIVIL
		W	CIVIL ALL	IT ALL
2	VOLLEYBALL	M	TY IT	BE MECH
		W	MECH ALL	IT ALL
3	BASKETBALL	M	IT ALL	ELECTRICAL ALL
		W	CIVIL ALL	MECH ALL
4	KHO-KHO	M	SY IT	TY MECH
		W	ENTC ALL	MECH ALL
5	KABADDI	M	SY ENTC	SY CIVIL
		W	ELECT ALL	MECH ALL
6	FOOTBALL	M	BE IT	SE ELECT
		W	CIVIL ALL	IT ALL
7	HANDBALL	M	IT ALL	CIVIL ALL
8	TABLE-TENNIS			
	Single	M	Krushnadev Mali	Swanand Waghode
		W	Rutuja Musmade	Aditi Dhigare
	Doubles	M	Krushnadev Mali Krushna Warwade	Swanand Waghode Shailesh Gajulwar
		W	Rutuja Musmade Shreya Gawade	Aditi Dhigare Anushri Patil
	Mixed Doubles		Krushna Warwade Rutuja Musmade	Krishnadev Mali Shreya Gawade
9	BADMINTON			
	Single	M	Hrishikesh Pancharya	Aditya Patne

		W	Aishwarya Dharmadhikari	Shailaja Bacche
	Doubles	M	Shantanu Deshmane Hrishikesh Patil	Niranjan Tamhankar Digvijay Badal
		W	Aishwarya Dharmadhikari Rutuja Musmade	Nikita Sonar Shailaja Bacche
	Mix Doubles		Aishwarya Dharmadhikari Niranjan Tamhankar	Aditya Patne Ishwari Patil
10	Chess	M	Rohan Killedar	Hruturaj Jadhav
		W	Sanika Mali	Gayatri Shinde
11	CARROM				
	Single	M	Dhanraj Rajput	Abhijeet Desai
		W	Priyanka Dabade	Dhanashri Lavate
	Doubles	M	Rushikesh Shinde Rushikesh Patil	Abhijeet Desai Shubham Pardeshi
		W	Prajakta More Shivani Divekar	Shweta Thorat Dhanashri Lawate
	Mixed Doubles		Onkar Karoshi Dhanashri Lavate	Krushna Warwade Aishwarya Dhekale
12	ATHLETICS				
	100 m.	M	Gajanan Nargude	Tushar Jadhav
		W	Sonal Sangade	Shivani Divekar
	200 m.	M	Gajanan Nargude	Rutvik Desai
		W	Poonam Dhumal	Shivani Divekar
	400m.	M	Abhiraj Ubale	Rutvik Desai
		W	Sonal Sangade	Poonam Dhumal
	800m	M	Amol Dhangar	Vishal Kothwale
		W	Manasi Chougule	Aditi Dhigare
	Long Jump	M	Sidharth Koli	Tushar Jadhav
		W	Shivani Divekar	Manasi Chougule
	Triple Jump	M	Tushar Jadhav	Mohan Mundhe
		W	Manasi Chougule	Shivani Divekar

	Discuss throw	M	Vinayak Salunkhe	Nikhil Sawant
		W	Muskan Dange	Manali Patil
	Shot put	M	Tushar Jadhav	Arun Chavan
		W	Manali Patil	Jijau Desai
	Marathon	M	Amol Dhangar	Vishal Kothwale
		W	Sonal Sangade	Poonam Dhumal
	Javelin Throw	M	Amol Dhangar	Ankush Aher
		W	Rutuja Palase	Manali Patil
	4X100 m.	M	IT ALL	MECH ALL
		W	ENTC ALL	IT ALL
		mixed	ENTC ALL	ELECT ALL
	4X400	M	MECH ALL	ENTC ALL
		W	ENTC ALL	IT ALL
		mixed	ENTC ALL	MECH ALL
	Hurdles	M	Gajanan Nargude	Vikrant Satpute
		W	Poonam Dhumal	Sonal Sangade
13	Tug of War	M	BE ENTC	TY IT
		W	BE MECH	TY MECH
14	GCEK SHREE	M	Ankush Aher	Rajesh Kamble

Achievements in cultural events:

Youth Festival:

This year we had maximum participation in Youth Festival 2019. Out of total 16 entries, we secured 3 ranks at District level and 4 ranks at Central level.

Category	Sr. No.	Event	Rank	Participant	Level
MUSIC	1	Classical Solo	4th	Kedar Sohani	Central
	2	Sugam Solo	2nd	Piyusha Kulkarni	District

ENGLISH	3	Elocution	2nd	Megha Prasannan	District
	4	Elocution	3rd		Central
	5	Skit	2nd	Krunal Jambhale, Madhura Jadhav, Aniket Mali, Pradip Kakde, Aditi Kapse	District
	6	Spot Photography	2nd	Animish Gorad	Central
	7	Clay Modelling	4th	Kunal Moharkar	Central

Disaster Management Activity:

In July 2019 due to flood and heavy rain in Western Maharashtra collector of Sangli and Directororate of Technical Education Mumbai appointed GCE Karad for disaster management a specifically for technical support. Team of UG and PG 100+ students and 10+ Faculty members did damage assessment survey of flood affected houses in Palus Taluka. Survey of tentatively 50+ villages and 15000+ houses have been carried out and exhaustive report is submitted to collectorate of Sangli and appropriate action was initiated. for this activity collector office and DTE Mumbai was appreciated activity of the institute.

Impact Analysis and Action Taken:

The all-round development or holistic development of an individual is only possible through balanced development of scholastic or academic as well as non –scholastic or non-academic aspects in the formal, in-formal and non-formal educational setting in the society. Institute plans different activities which comprises curricular, extracurricular as well as co-curricular educative experiences which provides inside as well as outside the classroom. these activities provide opportunities of self – expression and participation which include various important traits in learner. Psychologically these activities are considered essential because they provide outlets for the

flow of the surplus energies of the students. Such activities have increased different skill sets of the students and enhanced placement and employability of the students. This has leads to

increase in the attainment levels of POs and PSOs for fulfilling the outcome-based education in the institute.

Mentoring and Counselling System

Mentoring and counselling system is implemented for technical and overall student development for four-year UG courses. Mentors are allotted in the first year for 20 student group. Respective Department allot mentors from second year onwards for the group of 20 to 25 students.

The mentor will perform the following duties,

- Continuously monitor, counsel, guide and motivate the students in all academic matters
- Contact parents/guardians if situation demands e.g. academic irregularities,

negative behavioural changes and interpersonal relations, detrimental activities etc.

- Advise students in their career development/professional guidance
- Intimate HOD and suggest if any administrative action is called for
- Maintain a brief but clear record of all discussions with students
- Advise students regarding choice of electives, project, summer training etc.
- Encourage to the student to be in contact with the mentor after their graduation

Mentoring during Induction Program for First Year Students

Head of the Department: The HOD will,

1. Advice mentors wherever necessary.

2. Initiate administrative action on a student when necessary.

3. Keep the head of the institute informed.

The faculty monitors their progress and reports to teacher-in-charge. This mentoring is for overall development of the student. Faculty advisor meets the students frequently and discusses various issues including classroom lectures, laboratory performances, participation of seminar / conferences and technical event, any academic difficulty faced and career development.

Type of Mentoring:

- Professional Guidance - regarding professional goals, selection of career, higher education.
- Career advancement - regarding self-employment opportunities, entrepreneurship

development, morale, honesty and integrity required for career growth.

- Course work specific - regarding attendance and performance in present semester and overall performance in the previous semester.
- Lab specific - regarding Do's and Don'ts in the lab.
  - All Around Development: Mentoring will support students in addition to academics, literary, cultural and sports activities are conducted which offer leadership qualities, decision making abilities, team spirit, precision, analytical capabilities, socio- psychological awareness etc. which make an individual intellectually mature being.

8.6 NSS / Unnat Bharat Abhiyan

National Service Scheme (NSS Unit)

National Service Scheme (NSS) has been playing a vital role in enriching the souls and minds of the students at the college since long time. The overall objective of this scheme is 'Education and Service' to the community and by the community. It is a programme for students to cater to the needs of the community, as and when required. It will also help the students to communicate with the society. The students joining this scheme develop many behavioural interactive skills. They visit the rural areas as

NSS volunteers during the camps organized by the concerned colleges. The NSS volunteers take initiative in developing a Technocratic environment and also helped the underprivileged people to develop themselves. The scheme promotes the ability to present them in a better way. Thus, the goal of the scheme is to strive to inculcate the bond of patriotism, national integration, brotherhood, communal harmony among these volunteers. Following are the activities done under NSS unit in academic year 2019-20.

NSS Committee 2019-20GCE Karad

1) Dr. A.T. Pise   Principal   Chairman

2) Dr. K. N. Alasundkar   Assistant Professor   Programme Coordinator

3) Prof. A. B. Chaudhari   Assistant Professor   NSS Coordinator (IT)

4) Prof. U. S. Patil   Assistant Professor   NSS Coordinator (Elect)

5) Prof. S. D. kadam   Assistant Professor   NSS Coordinator (Mech)

6) Prof. S.V. Joshi   Assistant Professor   NSS Coordinator (Civil)

Report of Various activities conducted for Celebration of 150th Birthday anniversary of Mahatma Gandhi by NSS Government College of Engineering Karad

1) Tree Plantation vanmahotsav 2019-20 (04/07/2019)

Vanmahotsav 2018-19 was celebrated on 04/07/2019 by plantation of near about 600 plants by NSS students, faculty and staff in the college campus area. In this tree plantation activity 200 plants are planted all over the campus. This was carried under the guidance of Hon. Principal Dr. A. T. Pise sir and Programme co-ordinator Dr. K. N. Alasundkar, Prof. L. L. Kumarwad, Prof. S.J. Wagh, Prof. R. B. Kulkarni along with 5 departmental coordinators.

Tree plantation at campus
by Honable Principal AT Pise Sir

Tree plantation at campus
by Honable Principal AT Pise Sir

2) Independence Day and blood donation camp (15th August 2019)

Hon Principal Dr. A. T. Pise hoisted the flag. Blood donation camp was organised by NSS students under the guidance of Hon. Principal Dr. A. T. Pise sir and Programme coordinator Dr. K. N. Alasundkar, Prof. A. B. Chaudhari, Prof. Mrs. U. S. Patil, Prof .Mrs. S. D. Kadam, The blood donated by NSS volunteers was donated to Smt. Venutai Sub-District Hospital Blood Bank Karad. Faculty, staff and NSS volunteers donated 53 bottles of blood.

Blood donation camp Aug 2019

3) Cleanliness Camp at GCE Karad on the Occasion of Mahatma Gandhi 150th Birth Anniversary Plastic Free Campus (02/10/2019)

Cleanliness camp was organised by NSS unit of GCE Karad on the occasion of 150th Birth Anniversary of Rashtrapita Mahatma Gandhi in which NSS F. Y. B. Tech. and S. Y. B. Tech. Student cleaned the campus of Government College of Engineering Karad. Cleanliness camp was organised by NSS students under the guidance of Hon. Principal Dr. A.T. Pise sir and Programme coordinator Dr. K. N. Alasundkar along with 5 departmental coordinators

Cleanness derives by students

4) Celebration of NSS Day at Government college of Engineering Karad (26/09/2019)

NSS day 24th September celebrated by arranging lecture on Water pollution and its bad effect on human beings by Dr.K.N. Alasundkar and Mr. Kedar Parandwal explain importance of NSS activity in society. First Year Engineering students of Information technology and F. Y. B. Tech. Mechanical department celebrated NSS day on 26/09/2019 by plantation of trees on the campus of GCE Karad under the guidance of Hon. Principal Dr. A. T. Pise, Dr. K. N. Alasundkar, Prof. A.B. Chaudhari, and Prof. Mrs. U. S. Patil, Prof. Kashmira patil, Prof .Paymal S. B. Dakole madam and Mr. Kedar Parandwal as Student NSS Secretary.

Tree Plantation on NSSS day celebration

5) National Service Scheme Cleanliness camp at Narsihwadi after flood (04/09/2019

On 4th September 2019, the 20 student coordinators of NSS had helped in rehabilitation and cleaning campaign in flood affected area at Narsinghwadi of Kolhapur district. The

coordinators had given their full efforts in helping people for rehabilitation including Talathi office, Bus stand. Poor and old helpless people who were looking for help to revive their houses got a helping hand and they were extremely happy to get such a help from students of GCE Karad. Students also helped primary school staff to shift hole NSS team at his office.

their benches and organising classrooms. Local community got a big help because of NSS coordinators and were glad because of our social work. The MLA of area, Mr. Ulhas Sambhaji Patil recognized the dedicated efforts of students in social work and felicitated w

Some of the Glimpses of NSS activity at Narsinghwadi as follows:
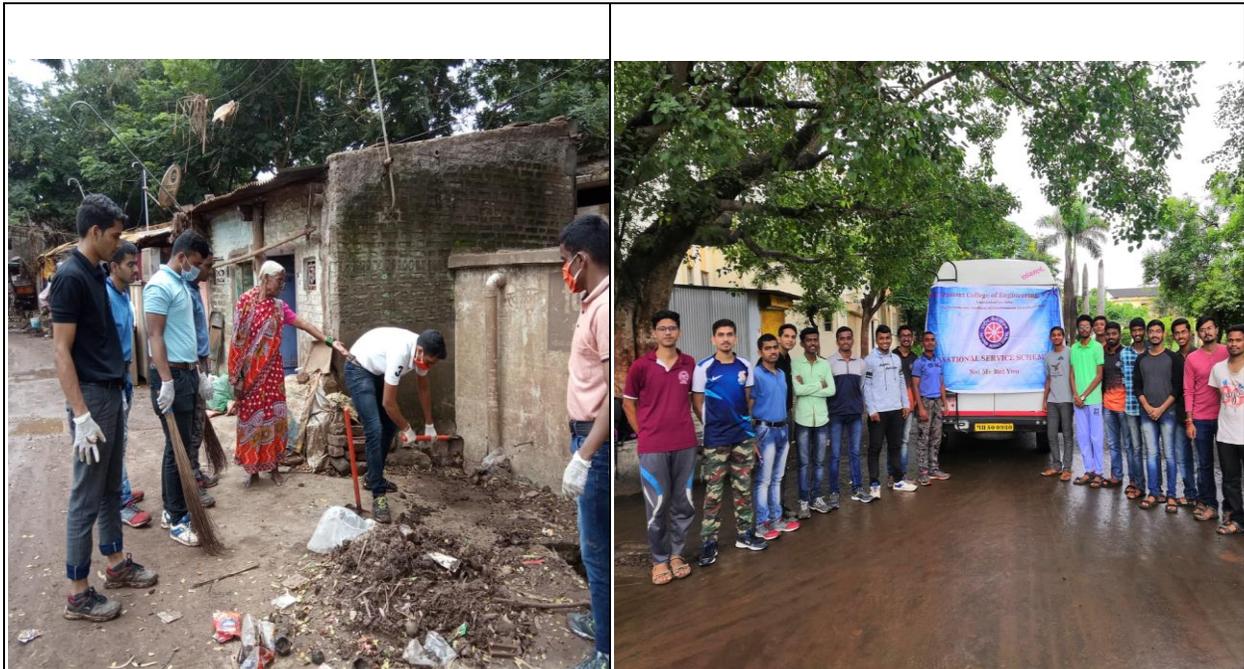
National service scheme cam at Narsihwadi after flood Sept 2019

Annual Cultural Day: Every year two days program is conducted in month of February in institute. Students shows their cultural talent, in various cultural activities namely *Kavya samelan, Abhirup Nayalay, Anatakshairi, Group Dance, Solo Dance, Solo Singing, Duet singing, and mimicry*. Most of the students take part in different activities and enjoy the program. Here they learn working with team, they understand Indian culture, ethical values, importance of communication and lifelong learning.

Cultural activity: Cultural activities are conducted throughout the year. In first semester students take part in Youth festival conducted by Shivaji university and consistently our students are bagging prizes in different activities. Also, the club named SPEAK MACY arranges various traditional cultural programs of different states to make students aware variety of Indian culture. Institute have developed music instrument playing students team, it assists in every cultural program conducted in the institute. Various national days such as Independence Day, republic day, Gandhi Jayanti, Science Day, Engineer's Day, Women's day, Teachers day are observed in institute. Annual college day activity is conducted every year to show the cultural talents of students. Here they understand diversity of

Indian culture, leadership, importance of communication and lifelong learning.

Aavishkar: GCE Karad organizes AAVISHKAR as technical event every year. Various activities are organized such as technical events (department level), project exhibitions, paper presentations, motivating lectures by renowned personalities etc. This activity specifically organized to enhance various skills of the students such as technical presentation, experimental skills, leadership, working in team etc.

Ideathon:

The Ideathon was a Hackathon where students worked for continuous 36hrs on a problem statement to provide a unique and creative solution for the problem. The event started on 27th February 2020 at 8 p.m. and after continuous 36 hrs. efforts of students which included 4 in between evaluation and on final evaluation, it ended on 29th February 2020 at 9 a.m.

Main Day Event:

The main day event of Aavishkar'20 comprises of a total of 15 sub-events which includes 8 technical and 6 non-technical sub-events. Each event was organized and planned aiming to improve the skills of students in one way or another. The names of the sub-events are as follows:

Technical events:

This year the main theme of Aavishkar was Sustainable Development. Corresponding to this, the tagline for Aavishkar was decided as *Technology Nurturing Ecology'* with a primarily focus on how sustainable development can be achieved.

This year Aavishkar'20 was conducted on 29th February 2020 and 1st March 2020 along with near about 2500 participants. The event was divided into 3 main aspects covering 3 different events – Ideathon, Main day event and Dhishan.

1. Bridge-o-mania: Inspection and Loading of the beam.
2. Cadroit: Planning, CAD and Surprise round.
3. Technotrick: Circuit designing from given electronic components.
4. Assemblohunt: Problem to be solved by Treasure hunting and assembling the mechanical parts.
5. Codigo: Aptitude test and Coding Round.
6. Electrotrinity: Designing and simulation of digital electronic circuits.
7. Dazzle Coding: Coding test and blind coding while the screen is off.
8. Code Shuffle: Online coding test and coding round.

Non-Technical events:

1. Auction: Competition of bidding on players
2. GCEK Idol: Singing Competition

3. Quizzer blast: Aptitude and General knowledge test

4. Box Cricket: Restricted cricket competition

5. Hire Me: Marketing, Group Discussion, and Interview (Soft skills competition)

6. Robothon: Robot building competition

Dhishan:

The second day of the event was Dhishan – A talk series of 5 speakers with aim of pursuit of knowledge which was started by Aavishkar this year to guide the students to an even brighter future. It went ahead with the inauguration of the event after which the first talk of the day started. The five speakers enlightening the students were:

1. **Mr. Harshal Bhosale:** AIR 1 in UPSC-IES 2019

2. **Mrs. Komal Pawar Godase:** First girl in India with the successful transplantation of Heart & Bilateral Lungs.

3. **Mr. Yajurvendra Mahajan:** Social Worker

4. **Major General (Retd.) Vikram Dograh:** Ironman of India

5. **Dr. Girish Charwad:** Musician fighting crime

After the successful talk of all the speakers, the event ended on grand note.

Some of the captured memories from the event:

Annual Day 2019-20

Glimpses of Aavishkar Event 2019-20

Aavishkar Flyer 2019-20

Glimpses of Aavishkar event 2019-20

AAVISHKAR' 20

DR. GIRISH CHARWAD

- FIRST INDIAN TO PURSUE PHD IN FORSENIC ART IN CRIME BRANCH.
- PROFESSIONAL ARTIST, MUSICIAN, DESIGNER & ART DIRECTOR.
- RECEIPIENT OF VISHESH BALGANDHARV PARIWAR AWARD.

AAVISHKAR' 20

YAJURVENDRA MAHAJAN

- FOUNDER OF INDIA'S FIRST COMPETITIVE EXAM CENTRE FOR BLIND AND PHYSICALLY CHALLENGED STUDENTS.
- MANAGING DIRECTOR, DEEPSTAMBH FOUNDATION, JALGAON.
- MOTIVATIONAL SPEAKER & LIFE COACH.

AAVISHKAR' 20

KOMAL PAWAR GODASE

- FIRST INDIAN LADY WITH HEART & LUNG TRANSPLANTATION.
- PRESIDENT, KOMAL NEW LIFE FOUNDATION.
- RECEIPIENT OF SHARDA SANMAN MAHARASHTRA AWARD.

AAVISHKAR' 20

HARSHAL BHOSALE

- JOURNEY FROM ASHRAM SCHOOL TO IES OFFICER.
- AIR 01 UPSE ESE 2019.
- AIR 84 GATE 2018.
- SELECTED AS SCIENTIFIC OFFICER AT BARC.

Renowned   achievers talk in Aasvishkar event

Purushottam (Abhiyanta) Karandak: A national level elocution competition is conducted by our institute in the month of February every year. Engineering students from every corner of country participate in the competition enthusiastically. Students are felicitated with momento and cash prizes. Here students learn to how to organize events at national level. Also, they learn to work in team collaboratively, understand ethical values, improve communications and nurture innate talents.

Ladies activity: To promote ladies from our campus, various activities are conducted such as Sand activity, Bangle Making activity, Ear-rings making, Nail-art, Guest lecture, self-defence, Zumba activities, Dandiya. GCE Karad girls and ladies staff members take part and improve their different versatile skills such as ethics, communication skills, lifelong learning, environmental sustainability etc.

9. INDUSTRY INSTITUTE INTERACTION
9.1. Training and Placement

To Enhance Placement Activities

1. Industry Expert Board Meetings

2. Industry Expert Lectures

3. Internship

4. Industrial Visits

5. Employability Test

6. Skill workshops for students

Brief information about each activity is as follow:

a) Industry Expert Board Meetings

This is unique institute to form Industry Institute board to enhance Interaction. There are minimum 5 industry members who are having more than 20+ year of experience from industry of repute. The Board advises department about internship, curriculum, visits, expertise availability etc. It is suggested to increase the number of advisors on Board to 10 to enhance Industry Institute Interaction. All departments are advised to conduct a meeting within next 2 months.

This IEB meeting have helped us in arranging expert sessions, assisting in internship to students, allowing students for industrial visit.

b) Industry Expert Lectures

Experts from Industry are called to give field experience to students. This year also manyindustry persons showed keen interest and shared their experiences with students giving updates about current practices in industry.

Our alumni is helping a lot for arranging expert sessions of their colleagues from company, HR Heads and persons they know well about expertise.

c) Internship -

Internship for UG in Civil Mech & Electrical was a part of curriculum. Now in autonomy we also have made it mandatory for students from E& TC and IT. They are encouraged to do internship especially in a good organization where their skill will be enhanced. In IT and ENTC there are few companies which allow such internship. In such cases we are hiring services from expertise for skill-based training in the campus.

d) Industrial Visits -

Industrial Visits are good measure of Industry Institute Interaction and exposure to students about field. This year also departments are arranging industrial visits to different industries including originations like ISRO. Students learn by observing good practices in industry which help them for enhancing their employability.

e) Training

.

g) Placement and Internship

Placement 2019-20

Corporate training program was conducted from 13 December to 24 December 2019 11 days, where online app was demonstrated to students. Now students can do practice on aptitude test to prepare for placement drive using mobile which will save their time and they can use even in travel. Each department organizes expert lectures from industry person to understand industry requirements and industry expectations.

f) Employability Test

A test to assess employability was conducted in five days from 27 to 31 August 2018 with assistance of TEQIP III funds. Test was conducted by Aspiring Minds, a renowned agency. It reveals students technical as well as soft skill. Results will be sent by said organization to students on their mail. @1600 students gave the test and institute paid about Rs. 3.00 Lakh for the same.

After this test Career Counselling was done where students interest, SWOT analysis and Goal setting was done. From this information it can be concluded that due to change in technology and emerging artificial intelligence, students are more interested in MPSC / UPSC and Dean Students Affair should go for arranging activities to boost these aspirations of students. Also, students have shown interest in higher education and start-ups

Institute is celebrating Dimond Jubilee in year 2020 with record break placment offers of 240 for intake of 300

Placement offfers report 2019-20 as on 15-06-2020

Sr. No.	Name of Company	Type of Company	Branches Allowed	Package LPA	Placed
1	Capgemini, Pune	IT	CCT	3.80	43
2	TCS Ninja, Pune	IT	All	3.60	40
3	Infosys	IT	All	3.80	24
4	Cognizant	IT	All	3.80	25
5	Worely, Thane	Core	Core	5.00	19
6	Adani	All	Power	4.50	11
7	Wipro	IT	All	3.60	7
8	JSW	M/E	Core	4.50	15
9	Softlink, pune	IT	IT,ENTC	4.50	6
10	Torrent Power	Core	Power	3.50	4
11	Zensoft services, pune	IT	IT,ENTC	3.50	4
12	KSB	Core	Mech	3.50	3
13	Faurecia	Core	Mech	3.50	3
14	Persistent System, Pune	IT	IT	4.41	3
15	TCS Digital,Pune	IT	All	7.00	3
16	TechMahindra	IT	IT,ENTC	3.60	3
17	Pratiti, Pune	IT	IT	4.50	2
18	Coditas, Pune	IT	IT	3.60	2
19	Bizsense, Pune	IT	IT	4.00	2
20	Sharda Hydro, Kolhapur	IT	MCA	1.20	2
21	TCS Code Vita, Pune	IT	All	3.60	2
22	Jaro	Edu	All	12.00	1
23	Syntel	IT	IT	3.80	1
24	Principal Global Services,Pune	Finance	ALL, MCA	6.00	1
25	Elastic Run, Pune	IT	IT, MCA	4.50	1

26	Sankey Solution, Thane	IT	IT, ENTC	3.00	1
27	Wurth Information technology India Pvt. Ltd. Pune	IT	IT	3.60	1
28	Ixsight Technologies Pvt. Ltd. Pune	IT	IT, MCA	3.00	1
29	L- Cube Innovative Solution, Pune	Other	IT, ENTC	3.00	1
30	Fiat, pune	Core	Mech	5.00	1
31	ACC Limited, pune	Core	Mech	3.50	1
32	Syntel	IT	IT	3.50	1
33	PayGate	IT	IT	3.50	1
34	Vantage	IT	IT		0
35	Lean Quality Solution Pvt. Ltd.		IT		1
36	AARV Technology		IT		1
37	YPP IIT Kanpur			3.50	1
38	ACG Pune				*
39	Felidate Electric Pune				
				Total	**242**

GCEK 112 students have been offered six-month pre-placement internship but only **72** students accepted it and some of them are likely to join in July 2020 after their internship. That data is not included here

* indicates result awaited or drives scheduled. Few more companies are likely to visit and placement offers may cross 250. Students of MCA other than mentioned above are doing internship in various MSME

Highest package is 12 Lakh and average package is 3.8 LPA

For year 2019-20 our final 49-year students got valid GATE score and likely to get admission in IITs and NIITs

9.2 Internship

Internship for UG in Civil Mech & Electrical was a part of curriculum. Now in autonomy we also have made it mandatory for students from E& TC and IT. They are encouraged to do

internship especially in a good organization where their skill will be enhanced. In IT and ENTC there are few companies which allow such internship. In such cases we are hiring services from expertise for skill-based training in the campus.

We are encouraging internship to all students from first to third year. Internasal is helping us in giving internship to students. About 700+ students are registered on portal for internship related program.

No	Type of Company	Industry	Branches Allowed	Stipend offers	Total
**GCE Karad Internship Identified Industries**					
1	IT	Damsel Enterprise	IT	5k	1
2	IT	Ninad WebTech	IT	5k	1
3	Core	Adinath Electricals Pune	EE		1
4	Core	Aequs	EE		1
5	EE/MCA	Cyclo Transmission			1
6	Civil	Ahswamedh Sapces Pune		4.5k	1
7		Shareen Auto		10k	2
8	IT	Posit Source, pune		10k	2
9	Core	Affernt Wearable Tech Pvt. Ltd. Pune		10k	2
10	IT	Compserve Kolhapur	IT	5k	2
11	Core	ISRO	EE		2
12	Finance	Principal Global Services, pune	IT	15k	2
13		FIAT			2
14	IT	Linkedloops Technologies Pvt.Ltd., Pune	ENTC		3
15	Core	IIT Mumbai	EE		3
16		TATA Moters			3
17	Core	GTS pune	IT/ENTC		4
18	Core	FANUC	IT/ENTC		0
19	Core	TATA Power	EE		6
20	Core	KPML	EE/ENTC		7
21	Core	Paranjpe	Civil	5k	9
22	Core	Dhoot	EE/ENTC	10k	13
23	Core	DAS	C/M/ENTC	10k	15
	Total				**82**

Alumni activities status

a. Alumni Connect

In lockdown period Alumni Connect was done by webinars

Many UG and PG students conducted online webinars, sent presentations and videos helpful for students.

9.3 Training

In addition to regular classes, TPO conducts different programs for Personality Development, communication skill and professional skill development. For aptitude test training we conducted training of Globarena from 18 June to 27th June 2017. Additionally, online subscription for aptitude test was provided to students. Online performance was monitored and a student with at least 70 hours of aptitude practice was allowed for placement. This improved their aptitude ability and made them aware about requirement of skills they need for a quality job. All staff coordinators and TPO staff were engaged for the

corporate training. Hostel facility was also made early available to students as college admissions were yet to happen before training. Every department organized expert lectures from industry person to understand industry requirements and industry expectations.

1972 batch alumni conducted one-day workshop for Final Year students "Inspire 2016" where about 7 experts with 40+ experiences from industry conducted sessions on different engineering issues and product development.

Civil

Sr. no	Name of Faculty	Date	Particulars	Dept.	Venue
01	Prof. A. A. Bhondwe	May to July 2019 (8-week Course)	Remote Sensing and GIS applications in Coastal and Ocean Sciences	Civil	Indian Institute of Remote Sensing (IIRS) Dehradun

9.4 Memorandum of Understanding

Following Mou's are signed in academic year 2019 -20

1. MOU with INDO German Tool Room, Aurangabad (IGTRA)

2. MOU with Veermata Jijabai Technological Institute, Mumbai (VJTI)

3. MOU with Globarena Technologies Private Limited

4. MOU with Walchand College of Engineering Sangli

5. MOU with College of Engineering Pune (COEP)

6. MOU with GE Gride Solution

7.   MOU with O2 Breathing Brain

8.   MOU with Rio 3D

9.   MOU with Red Hat India Private Limited

10. MOU with Deltiin India Tech. Ltd

11. MOU with CMTI Bangalore

Departmental MOUs

Sr. No	Department	MOU with	Goal of MOU	MOU signining Date	Satues
1		SpartaSoft Technology Solutions. Pune	Training on Recent trends in VLSI design technology using EDA simulation tools	16th August 2018	Active
2		The rural, Pune and age matics, Dubai	Internship on data science and analytics	25th December 2018 to 30th December 2018	
3	E & TC	Sparta Soft Technology Solutions. Pune	Training on Practical Integrated Antennas-Designing, Analysis and Simulation	16th August 2019	Active
4		Experts Hub, Chennai	Internship on IoT	24th May 2019 to 28th May 2019	
5		Experts Hub, Chennai	Internship on MLAI		Active
6	IT	Krishna Institute of Medical Sciences Deemed University Karad	• Health information sharing for project and combined projects in IT and medicine. • Different surveys in medical science and IT	14 December 2018	Active

			• Organize blood donation and health check-up camps • Start consultancy, research and training for health-related electronics and mechanical devices • Develop curriculum and course for mutually helpful contents		
7		Stay Ahead Consultancy Services LLP Andheri Mumbai	• Business Manufacturing skill development and R& D Services • FDP, guest lectures	12 March 2019	Active
8		Leadership Tech Systems infinityX	• Seminar, Placement and Guest Lecture • Academic projects • Short term internships for students and faculties	17 January 2019	Active
9		Indexical Solutions Pune	• Internship on IoT, Machine Learning and Data Analytics	27 May 2019	Active
10		Solapur Corporation Solapur	• Academic, Research and Technical competitions Conferences, seminars etc. • Develop laboratories, research centers, data centers	16 August 2018	Active
11		Rio 3D	• To Understand latest technology like 3D Printing. Students make industry ready in different domain.	10th Dec 2019	Active

12		Deltiin India Tech. Ltd	• Training Programs/Workshops/Certificate Courses as per demand & Latest trends & technology Industrial Training to faculty as well as students	13th Aug 2020	Active
13		Red Hat India Private Limited	• Programs to promote Red Hat Products • Expert Lectures on Red Hat Programs	20th Dec 2020	Active

9.5 Testing and Consultancy Projects

Sr. no.	Faculty	Testing/Consultancy	Amount
1	Dr. Y. M. Ghugal	**Major Projects dealt with:** Rural Water Supply, Sewage Treatment Plants, Drainage Works, Water Treatment Plants, Minor Irrigation Tanks, ESR, GSR and Road Projects, Buildings and Bridges.	-
2	Prof. S. S. Valunjkar	Third Party Inspection of civil works undertaken by Vitta Nagar Parishad - (Local Government)	3.00 Lakhs
		Third Party Inspection of civil works undertaken by Tasgaon Nagar Parishad - (Local Government)	3.50 Lakhs
		Third Party Inspection of civil works undertaken by Khanapur Nagar Parishad - (Local Government)	3.60 Lakhs
		Third Party Inspection of civil works undertaken by Karad Nagar Parishad - (Local Government)	4.10 Lakhs
		Third Party Inspection of civil works undertaken by Malkapur Nagar Parishad - (Local Government)	3.80 Lakhs
3	Prof. B. A. Konnur	Carried of Highway Materials Testing at Transportation Engineering Laboratory Completed third party checking of design of sewage treatment plant of Solapur Corporation	-

|			
4	Prof. A. B. Landage	1.District Water Resources Officer, ZP Kolhapur	3,66.390/-
		2. Central Railway, Satara Office	21240/-
		3. M/s Kulkarni, Karad and Arun Patokar	9408/-
		Third Party Inspection 1. Vita Nagarparishad 2. Palus Nagarpanchayat 3. Khanapur Nagarpanchayat 4. Patan Nagarpanchayat 5. Tasgaon Nagarparishad 6. Karad Nagarparishad	-
5	Prof. S. V. Joshi	Provided consultancy services to Karad, Vita and Tasgaon Nagar Parishad	5,00,000/-
6	Prof. A. A. Bhondwe	Private- Raj Path Infracon Pvt Ltd. Pune	10,620/-
		Private-Shri Sunil Lad, Government Registered Contractor, Kolhapur	15,045/-
7	Prof. S. R. Gaikwad	Geotechnical Engineering Lab (Soil Testing)	442058/-
8	Prof. S. S. Yadav	Transportation Engineering Lab (Bitumen Testing)	100000/-
9	Prof. K. B. Patil	Environmental Engineering Lab (Water Testing)	5900/-
10	Prof. K. B. Patil	Non-Government (Private) - DAS Offshore Pvt. Ltd., Mumbai - Proof Checking of Sewage Treatment Plant Design	150000/-
		Non-Government (Private) - DAS Offshore Pvt. Ltd., Mumbai - Proof Checking of Sewage Treatment Plant Re-designed	75000/-
11	Prof. A. H. Kulkarni	Non-Government (Private) - DAS Offshore Pvt. Ltd., Mumbai - Proof Checking of Sewage Treatment Plant Design	150000/-
		Non-Government (Private) - DAS Offshore Pvt. Ltd., Mumbai - Proof Checking of Sewage Treatment Plant Re-designed	75000/-
12	Dr. A. M. Sapkal	To frame specifications for CCTV System, Online UPS, Image & Video Processing Lab, VLSI Center.	—
13	Dr. A. M. Sapkal	Testing of various AC & DC Drives, SMPS, UPS, Wi-Fi system, CCTV System	—

10. ENVIRONMENT MANAGEMENT

10.1 Activities

Environment Management Plant for 2019-20

1. Drinking water quality and supply. (Work is in progress)
2. Wastewater treatment aeration.
3. Solid waste treatment (Biogas plant) (One Plant is working)
4. CWET (Solar Panels and Wind Energy Data Collection)
5. E waste management by putting dust bins at some points in the college.
6. Laboratory and fire safety by fire extinguishers.
7. Assessment of illumination labels.
8. Energy audit in laboratory.
9. Development landscaping of the campus.
10. Signposts for plantation and water conservation.
11. Ramps and Barrier free access and lifts for the campus.

Construction of Hostel D part (work is in progress)
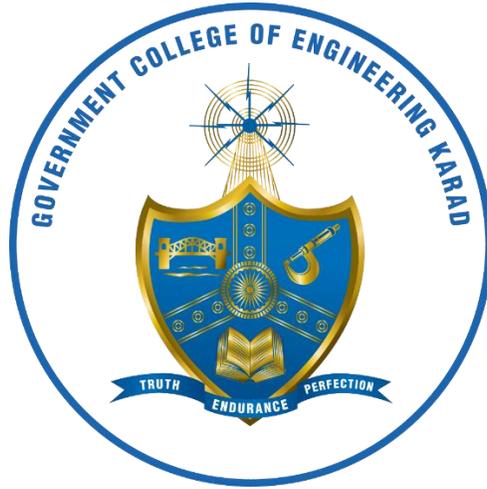
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Thank You!