



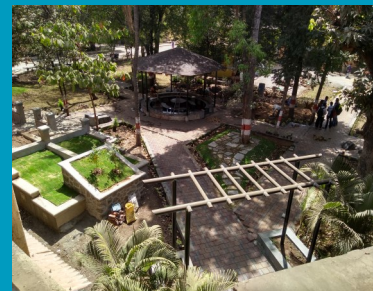
Established in 1947

# Walchand College of Engineering

Government Aided Autonomous Institute

## Our Strengths

- All Departments are NBA Accredited
- NAAC Accredited with 'A' Grade
- 4<sup>th</sup> Ranking Institute in Maharashtra
- Granted: TEQIP Phase I, II, III
- State of Art Library
- High Quality of Education
- Interdisciplinary Subjects
- Student Transfer Scheme
- 100% Placement and Internship
- Research Centre Affiliated to SUK
- Active Participation in Sports



Industry Sponsored  
Research Centres and MoUs



WCE ANNUAL REPORT  
2020-21

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## About Walchand College of Engineering...



Late Shri. Dhondumama  
Sathe

Walchand College of Engineering, Sangli is one of the oldest and renowned technical institutes in Maharashtra. This college was started as a “New Engineering College” in the year 1947 by late Shri. Dhondumama Sathe. The College was renamed as “Walchand College of Engineering” in 1955, after a substantial financial support extended by Seth Walchand Hirachand Memorial Trust. The management and Control of the college was transferred to Administrative Council with all movable and immovable properties since 1956. It is one of the oldest Engineering colleges in the state of Maharashtra with 90 acres of land. The college now imparts education for AICTE recognized / approved diploma, degree, postgraduate and Ph.D. courses in engineering. It was only Research Center in engineering till 2004.

The Autonomous Status has been awarded to the college by the Government of Maharashtra and UGC in the year 2007. UGC extended this Autonomy for second term in 2014 till 2020. We participated in the World Bank funded Government of India scheme, "TEQIP" (Technical Education Quality Improvement Program) Phase I project and we received second rank all over India, out of 127 national institutes, in its program impact assessment survey in 2010. WCE is successfully continued its journey in TEQIP phase II in upgrading the Postgraduate and Re- search infrastructure. WCE has received Rs. 15.00 Crore. Now the Institute is selected for TEQIP Phase–III from April 2017-March 2020. In TEQIP-III Walchand College of Engineering, Sangli will partner with Jabalpur College of Engineering, Jabalpur to upgrade their status. Out of 18 Engineering Colleges from Maharashtra who were involved in TEQIP-II only 8 are now selected for TEQIP-III.

College is equipped with more than 800 Computers, state of art software, 380 MBPS fully functional (24X7) internet connectivity, and intranet with fiber optic backbone. In 2008-09 Seth WHM Trust donated a New Library building named as Ajit Gulabchand Central (AGC) Library with more than 1,00,000 volumes, more than 2000 international e-Journals, plus Hard copy journals (national and international), etc.

### Brief History

**1947** – Late Shri **Dhondumama Sathe** Established **New Engineering College, Sangli**

**1955** – Name changed to: **Walchand College of Engineering**

**1971** – **First** in Shivaji University, Kolhapur (SUK) area to start **PG programs**

**1977** – **Government of Maharashtra** conferred 90% **Grant in Aid**

**2003** -- First College in SUK to get NBA Accreditation for 5 UG Programs

**2007**--Recognized for **TEQIP Phase–I**. College became **Autonomous** (1<sup>st</sup> college in SUK area).

**2012**–First College in SUK to get NBA Accreditation for 5 PG Programs. Recognized for **TEQIP Phase –II**.

**2014** – UGC **Extended the Autonomy** till 2020

**2016** – NAAC Accreditation: ‘A’ Grade. Selected for TIFAC Funding from RGSTC.

**2017** -- Recognized for **TEQIP Phase-III** with Jabalpur College of Engineering, Jabalpur as Partner Institute

## Chairman's Profile ....

**Mr. Ajit Gulabchand**, Chairman and Managing Director of Hindustan Construction Company Ltd., has spearheaded the transformation of the company from a construction major into a diversified infrastructure group of global scale, developing and building responsible infrastructure through next practices. With a group turnover of over Rs. 9867 Cr (US \$ 1.47 billion), HCC's businesses span across Engineering & Construction, Real Estate, Infrastructure, Urban development & Management.

Mr. Gulabchand hails from a family of nation builders who have made a significant contribution to the development of modern India. A graduate of Mumbai University, Mr. Gulabchand previously served as Chief Executive Officer of Indian Hume Pipe Co. and as Managing Director of Ravalgaon Sugar Farm. He became Managing Director of HCC in 1983, and Chairman in 1994.

Under Mr. Gulabchand's leadership, HCC continues the illustrious tradition set by his predecessors. The group has a knowledge asset of more than 2500 officers, including around 1,600 engineers. It employs more than 22,000 workers at its project sites across India. The result is a business that plays a leading role in meeting the huge infrastructure needs of India, leveraging best-in-class equipment and technology, knowledge-driven processes and innovation-led next practices.

The HCC Group of companies comprise of HCC Ltd, HCC Infrastructure Ltd, Lavasa Corporation Ltd, Highbar Technologies and Steiner AG in Switzerland.

Mr. Gulabchand is the visionary behind the concept of the planned hill city, Lavasa. The master plan of the city, which is being built to the highest environmental standards, has won international awards for sustainable urbanism. Lavasa is seen as the blueprint for the many future cities India will need as it responds to massive rural-to-urban migration. The Indian states of Gujarat and Karnataka already have concrete plans to develop Lavasa-like cities.

### SOCIAL AND ENVIRONMENTAL RESPONSIBILITY

Corporate social responsibility is intrinsic to Mr. Gulabchand's vision for the HCC group. Its initiatives encompass Disaster Relief, Water Sustainability, Education and HIV/AIDS awareness.

Disaster Relief forms a significant area of focus at HCC, under the aegis of Mr. Gulabchand's sustainability canvas. He is the Chair of the Disaster Resource Partnership, formed in coordination between the World Economic Forum's Engineering and Construction Member and Partner companies. He is also the founder member and Chairman of Disaster Resource Network India, wherein he has steered emergency response teams and rehabilitation to several locations,

struck by natural disasters in India and abroad. He is a member of the Advisory Board United Nations Disaster Risk Reduction – Private Sector Partnership.

Recognizing the emerging water crisis and with a view to make water sustainability a corporate priority, Mr. Gulabchand became the first Asian signatory to endorse the United Nations' CEO Water Mandate. HCC has demonstrated its water consciousness and commitment to water conservation by implementing a series of rigorous and improved water management practices at its project sites. HCC has also promoted the advocacy of actions and measures at various national/international forums towards the optimum utilisation of water.

The HCC case study highlights its efforts towards water neutrality and showcases its initiatives at its projects. HCC was awarded "Global Sustainability Leadership Award for 'Best Community Action' – HCC's Community Development Project – 'Ujjivana'.



**Mr. Ajit Gulabchand**

## Chairman's Profile ....

### GLOBAL ENGAGEMENTS

Mr. Gulabchand holds leadership positions in several key industry bodies. He is a member of the Governor's Steering Board of the Infrastructure and Urban Development Community at the World Economic Forum, Geneva and co-chaired the community in 2016. He is a former President of the International Federation of Asian and Western Pacific Contractors' Associations (IFAWPCA) a body that promotes international fellowship and cooperation in developing beneficial relationships between governments and contractors. He is the Chairman of the Governing Council of the Construction Skills Development Council of India and President of the Construction Federation of India. He is also member of UK India Business Council (UKIBC) Advisory Council - a body for companies seeking to explore the Indian market. Mr. Gulabchand has also been a frequent invitee to ministerial business delegations from the Government of India to various countries aimed at attracting foreign investments into the Indian infrastructure sector. He is also member of the National Council of the Confederation of Indian Industry and member of committees on Skills, Infrastructure & Construction and Ease of doing business.

Alongside his responsibilities at HCC, Mr. Gulabchand has been a vocal advocate of sustainable development and is regarded as a spokesperson for India's infrastructure sector in global forums. A regular participant at the World Economic Forum (WEF) for over two decades, Mr. Gulabchand was the first Asian to Chair the Governor's Steering Board of the Engineering & Construction Community at the WEF in Davos, 2011. He also served as a Co-Chair at the WEF's India Economic Summit in 2010. He is the only Indian business leader to participate on panels at the United Nation's Annual Summit on Climate Change, as well on the United Nation's Global Compact Summit. He is an Executive Committee member of TERI's (The Energy and Resources Institute) Council for Business Sustainability. He is also a member of Board of Trustees – New Cities Foundation: a non-profit institution which seeks to incubate, promote and scale urban innovations through collaborative partnerships between government, business, academia and civil society.

Mr. Gulabchand is a strong supporter and patron for several technical institutions in India. He is the Chairman of the Board of Trustees and Board of Governors of the National Institute of Construction Management and Research (NICMAR) and Chairman of the Administrative Council of the Walchand College of Engineering.

Mr. Gulabchand was honoured with the 'Infrastructure Leader of the Year' Award from CNBC TV18.

Prior to Mr. Gulabchand, following dignitaries have served as the chairman of Administrative Council.

Chairman, Administrative Council			
Sr. No.	Name	From	To
1	Mr. N. Dandekar	1956	1968
2	Seth Lalchand Hirachand	1968	1974
3	Seth Bharat G. Doshi	1974	1975
4	Seth Lalchand Hirachand	1975	1981
5	Mr. M.S. Parkhe	1981	1983
6	Seth Vinod L. Doshi	1984	1994
7	Justice Mr. B. N. Deshmukh	1994	1996
8	Mr. Ajit Gulabchand	1996	Onwards

## Directors Message ....

Walchand College of Engineering, established in 1947, is one of the oldest engineering colleges in India. Since its inception, Walchand has never wavered from its path to triumph and making it large. It keeps producing world class engineers every year, who satisfy the technical needs that help develop the country and fulfill the needs of the world by being up to date and environmentally caring.

The institute has recently restructured its laboratories, bringing in modern and advance Grade equipment for helping students become technically strong and accomplishing substantial milestones. Faculty, staff and students strive for the goals of making our institute deliver to the country, a brilliant and talented generation of engineers every year.

The institute has strong industry and institute association. We have developed many of our labs with the help of industrial sustenance. With this collaboration most of our labs are state-of-the-art with technologies used in the eminent industries. Our alumni have made the college proud with their success. Their achievements help the future generation of graduates by providing them with industrial knowledge and experience.

The faculty members of our institute are research oriented, thereby promoting our students to favor such paths too. R & D is right now the prime of any industry and we support our students to be involved in such activities. With a state-of-art Central Library with national/international journals and reference books for every subject and specialized books on various topics, our students find it very easy to develop a research-oriented mindset. We encourage work on research projects helping them grow professionally and making them systematic and multidiscipline oriented.

In accordance with our Vision and Mission, we devote ourselves to create graduates with inquisitive minds who have a perpetual desire for knowledge. We believe in our students growing from all aspects. Our graduates should not only be technical aces, but they should also be good human beings, hence we nourish our students to make them ethical, moral and virtuous so that they serve their purpose of helping this country and making it a better place to live. For this we support technical, cultural, social and sports activities. These help them become strong team players, to boost their confidence and to inculcate in them the qualities to achieve their goals and become world class leaders.

The institute is governed by Administrative Council which was reconstituted in 1956. The chairman of the Administrative Council who guided the progress of the institute with vision to the path of glory.



**Dr. P. H. Sawant**

Principals at WCE Sangli Before Autonomy				Directors at WCE Sangli After Autonomy			
SN	Name	From	To	SN	Name	From	To
1	Prof. G.N. Gokhale	1947	1948	1	Dr. N. V. Deshpande	01-Nov-2006	30-Sep-2007
2	Prof. K.V. Kardile	1948	1949	2	Prof. A.R. Yardi (I/c)	01-Oct-2007	12-May-2009
3	Prof. C.G. Kale	1949	1951	3	Dr. Y. V. Joshi	13-May-2009	1-Jul-2013
4	Prof. G.R. Vartak	1951	1955	4	Dr. P. J. Kulkarni (I/c)	02-Jul-2013	25-Feb-2014
5	Prof. V.K. Kelkar	1955	1967	5	Dr. G. V. Parishwad	26-Feb-2014	25-Feb-2019
6	Prof. G.C. Kanitkar	1967	1975	6	Dr. P.G. Sonavane (I/c)	26-Feb-2019	12-Feb-2020
7	Prof. S.D. Pathak	1975	1979	7	Dr. P. H. Sawant	13-Feb-2020	Till Date
8	Prof. P.A. Kulkarni	1979	1997				
9	Dr. B. Subbarao (I/c)	Jan-1998	Sep-1999				
10	Dr. N.K. Sane (I/c)	Oct-1999	Jan-2000				
11	Prof. A.R. Yardi (I/c)	Jan-2000	Jun-2000				
12	Dr. P.J. Kulkarni	Jun-00	Jan-02				
13	Prof. A.R. Yardi (I/c)	23-May-02	20-Dec-02				
14	Dr. S.D. Madnaik	21-Dec-02	31-Jul-04				
15	Prof. A.R. Yardi (I/c)	1-Aug-2004	31-Oct-2006				

**Highlights of Annual Report 2020-21****Institute Level Activities:**

- In the wake of current COVID 19 outbreak, it has become essential to follow utmost care in personal and public hygiene. As a part of social obligation, the college has developed a few products such as Robot for Medical facility/ quarantine facilities, Bicycle Mounted Sanitizer Unit, fully automated sanitizer cubicle, Automated soap/ sanitizer dispensing system, Automated fogger, Hands free sanitizer dispenser. The products were demonstrated to various Govt. and Non Govt organization for their use.
- A Quiz was prepared in Google Form and a video was circulated among all students/faculties/local community through WhatsApp, emails, etc. to enhance COVID awareness.
- All faculty and nonteaching staff of the college has donated their one-day salary to CM relief fund –COVID 19.
- The college has signed MoU with Adani Electricity Mumbai Ltd, ADTPS for the exchange and sharing in the technical field.
- Tattva\_TCS Student connect session was organized for all third year UG & first year PG students on Wednesday, April 29, 2020 by Mandeep Bagchi TAG, TCS PUNE.
- A Webinar was conducted on “Importance of Association with Professional Organization for Outcome Based Education” under Margdarshan scheme of AICTE, New Delhi on 30<sup>th</sup> April 20.
- Webinars on “Bridging the gap between Industry and Academia”; “Impact on Youth Before and After Covid-19”; “E-international panel discussion on employability enhancement in various countries and best practices worldwide” were organized during May 2020 in association within association with MH TPO association.
- A webinar on “Engineering, the thought process” was organised on 1<sup>st</sup> June 2020 in association with Dr. Parag Kulkarni, CEO of Kvinna limited NZ.
- A Webinar on “No Going Back, Post COVID 19” was organised on 10<sup>th</sup> June 2020 in association with Sakaal Media Group.
- A Webinar on “Future Global Trends & Opportunities postCovid-19” was organised by Sangli in association with Maha TPO on 12<sup>th</sup> June 2020 Ms. Leena Nair, Executive Director and CHRO, hindustan uni lever ltd., who is also our alumnus; was the speaker of this session.
- A Webinar on “Product Design & Beyond...” was organised on 11<sup>th</sup> July 2020 in association with IDC Design Center, IIT Mumbai and Gurumantra& Studio 2.47, Pune.
- One-week online Faculty Development Program (FDP) on “Geosciences in Engineering (GiE 20’)” was organised by in collaboration with Government College of Engineering Karad along with respective mentee institutes Rajkiy Engineering College Azamgarh and Jabalpur Engineering College Jabalpur during 09<sup>th</sup> June 2020 to 13<sup>th</sup> June 2020
- There were 10030 faculty and students enrollements for Coursera prpgram and as on 16<sup>th</sup> August 20, and 2626 courses were successfully completed during the lock down period since April 20.

**Student Achievements:**

- Team Atulya from TY CSE has won first prize (Cash prize of Rs. 1 Lac) in Smart India Hackathon SIH 2020 held at CMR College of Engineering & Technology, Hyderabad. Walchand is the consistent winner in Smart India Hackathon.
- Our alumnus Ms. Pranjali Paranjape B.Tech Electronics 2017 batch has scored 99.91 percentile in CAT 2019 and secured admission in IIM Ahmedabad.

- Prateek Malwe, Ph. D. Scholar, Mech Dept achieved Rank 1 in a National Level Online Quiz competition on “Basics of Refrigeration & Understanding VCC Cycle” on 26<sup>th</sup> June 20
- Our 2015 batch Mech Alumnus Mr. Anup Yadav Stood 5<sup>th</sup> in Maharashtra in MPSC exam.
- Mr. Vishvesh Kodihal, Student from B.Tech Civil Engineering has secured AIR 740 in GATE 2020.
- Our alumni Mr. Abhinav Ingole (Mech 2012), Ajay Kumbhar (Mech 2016), Mr. Shashank Mane (CSE 2014) have secured AIR 624, 630 and 743 in UPSC 2019-20.
- B.Tech Final Year Mechanical student Mr. Shubham Agarwal has received the "Late Namrata Bhagat Award for Innovative Youth Engineer" by Trans Asia chambers of commerce and industry on 24<sup>th</sup> Feb. 2020 at Mumbai.
- Miss. Shitole Kshitija, Miss. Manadale Chaitrali, Miss. Kadam Anushka and Miss. Chavan Yashodhara, had participated and secured 4<sup>th</sup> Rank at IDEATHON event held during Avishkar '20 at Government College of Engineering, Karad during 27-29 February 2020. They also secured the first rank for their project in the student evaluation process.

**Faculty Achievements:**

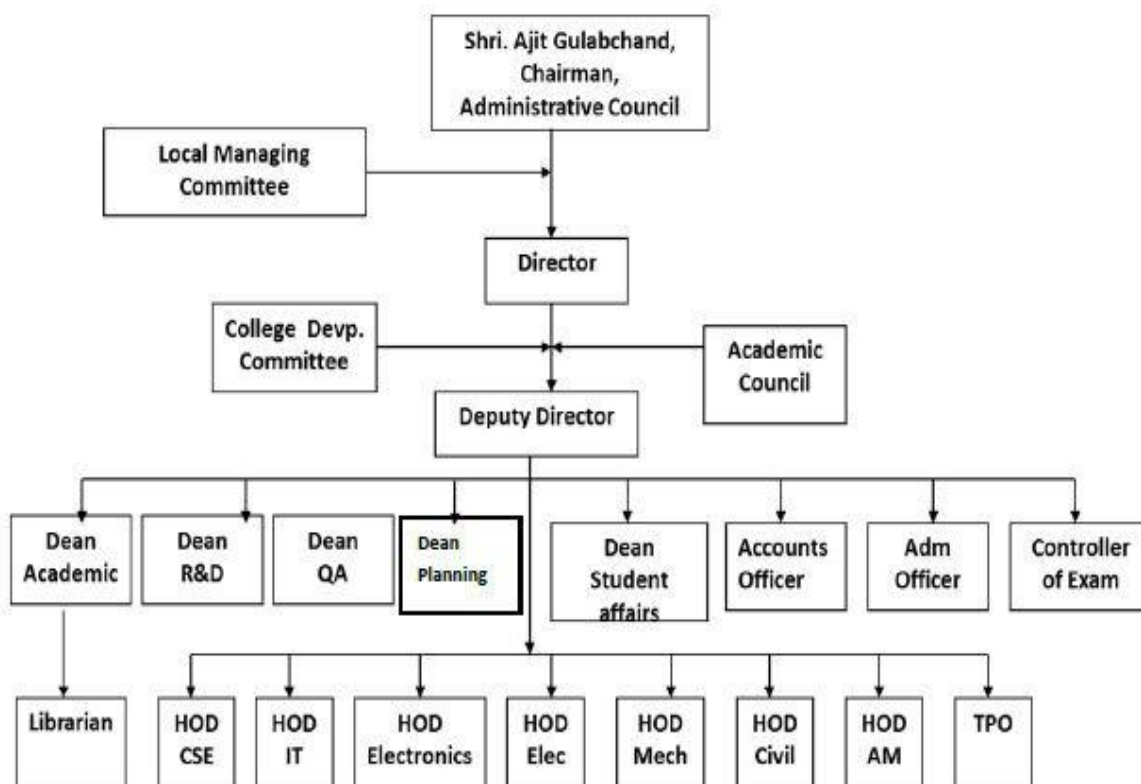
- Dr. Shaila Subbaraman, Prof. from electronics Dept. was a panel member for Online National workshop on Outcome based education jointly organized by SPIU, UP and Dr. APJ Abdul Kalam Technical university, lacknow on 10<sup>th</sup> June 2020
- 250 + online certifications were completed; 200 + online events were attended and 350 + Eresources were developed to facilitate online teaching. Three patents were filed and under process.



# 1. INSTITUTE, TEACHING, LEARNING & RESOURCES

## 1.1 Organizational Chart and Various Major Committees

Policies Approved by the Administrative Council are implemented by the Director and his team at the Institute level. The **Organizational Chart** of the Institute is given below:



The institute is governed by Administrative Council. The **Administrative Council** was formed in 1956.

- The Institute is governed by an autonomous body - **Administrative Council**.
- Constitution of **Administrative Council** (A.C.) is
  - Six members from Trust
    - Government Nominees asunder
    - Two AICTE nominees
    - DTE, Mumbai
    - AICTE (RO), Western Region
    - SU, Kolhapur Nominee
    - GOM Nominee
    - Two Teaching Faculty
    - Director of the institute (Member Secretary)
  - Frequency of Meetings of AC: 4 times in a year

The names of present **Administrative Council** members are given below:

1	Mr. Ajit Gulabchand, <b>CMD, HCC, Mumbai</b>	Chairman
2	Mr. Sanjay kaka Patil, MP, Sangli	Member, Trust Nominee
3	Mr. Vijay Pusalkar, Industrialist, Pune	Member, Trust Nominee
4	Dr. V.N. Gupchup, Ex. Principal, VJTI, Mumbai	Member, Trust Nominee
5	Mr. C.N. Gandhi, Industrialist, Pune	Member, Trust Nominee
6	Mr. R.P. Purohit, HCC, Mumbai	Member, Trust Nominee
7	WRO, AICTE, Mumbai	AICTE Ex-Officio, Member
8	Dr. Rajendra Hiremath	AICTE Nominee
9	Director Technical Education, Mumbai	DTE, Ex-Officio, Member
10	Yet to be received	State Govt Nominee
11	Dr. Shivajirao Kadam, VC, BVU, Pune	UGC Nominee
12	Dr. A. T. Pise, Principal. GCOE, Karad	Shivaji Uni. Nominee, Member
13	Dr. P. H. Sawant, Director, WCE, Sangli	Director and Secretary
14	Mrs. Shalaka Gulabchand Dhavan	Management Invitee
15	Dr. P.G. Sonavane, Dy. Director, WCE, Sangli	Faculty representative
16	Dr. D. B. Kulkarni, Professor, IT, WCE, Sangli	Faculty representative

The Administrative Council (AC) meetings are held regularly four times in a Year. The dates of all AC and Review meetings during the next two years are decided in advance by the management, are known to all in advance, and are followed scrupulously. The AC meetings were held in 2020-21 on following dates:

SN	Meeting No.	Date	Location	Attendance
1	230	27/02/2020	Hotel Oberai, Mumbai	9
2	231	03/09/2020	Online Mode	11
3	232	24/02/2021	Online Mode	13
4	233	31/03/2021	Online Mode	11

The next Important Committee is **College Development Committee**: to support and guide the Institute locally. The names of present **College Development Committee** are given below:

Constitution by post	Function
<p><b>Chairman:</b> Shri. Shriniwas Patil</p> <p><b>Members:</b> Shri Ravindra P. Purohit Shri Suresh A. Patil</p>	<p>-To recommend to the higher authorities the <b>schemes for better functioning and governance</b> of the college</p> <p>-To prepare &amp; recommend,</p>

Shri Sachin R. Menon Dr. Smt. Sushma S. Kulkarni Shri Vasant R. Manwadkar Dr. Krishnakedar S. Gumaste Dr. Shrirang N. Tande <b><u>Elected faculty &amp; Staff Members:</u></b> Dr. Sunil G. Tamhankar Shri Pravin A. Mane Smt. Prerna N. Savagave Shri S.S. Kulkarni, Non-teaching staff <b><u>Students Representative</u></b> Miss. Amruta Y. Patil Md. Gulfam Arzoo <b><u>Member Secretary</u></b> Dr. P. H. Sawant, Director	<b>financial budget</b> of the college for approval from higher authorities - To recommend, <b>filling of teaching and non-teaching</b> positions to higher authorities - Frequency of meeting: <b>Twice a year</b>
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The details of meetings held during 2020-21 are as follows:

SN	Meeting No.	Date	Location	Attendance
1	4 <sup>th</sup>	22/03/2021	WCE, Sangli	14

#### Various other important Sub-Committees to support Administrative Council are:

In addition to the above two committees various other Sub-committees are formed for decentralization of power and for smooth functioning of various activities and implementation of policies.

As per the Administrative Council Rules for WCE, Sangli passed by General body of MTES on 20<sup>th</sup> November 1956 and amended by AC on 9<sup>th</sup> July 1971 and on September 1977 three important other committees formed are Finance Committee, Building Committee, Equipment Committee and HR Development Committee which were approved by the Administrative Council in the Meeting No. 229 Dated. 5<sup>th</sup> December 2019. The sub-committees are as follows:

<b>1. Finance Committee</b>	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. Abhay E. Wagh
3. RO- AICTE or his nominee	Dr. C. S. Verma
4. Nominee of MTES	Shri Deepak A. Shinde
5. Member	Shri R. P. Purohit
6. Member	Shri Chakor Gandhi
7. Member Secretary	Director
<b>2. Building Committee</b>	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. Abhay E. Wagh
3. RO- AICTE or his nominee	Dr. C. S. Verma
4. Exec. Engineer, PWD, Sangli	Shri Devendra Jadhav
5. Outside Expert Member	Dr. V. N. Gupchup
6. Head, Civil Dept	Ex-Officio
7. Head, Structural Dept.	Ex-Officio
8. Member Secretary	Director

<b>3. Equipment Committee</b>	
1. Chairman of the Council	Shri Ajit Gulabchand
2. DTE or his nominee	Dr. Abhay E. Wagh
3. RO- AICTE or his nominee	Dr. C. S. Verma
4. HOD of concerned Dept.	Civil/Mech/Elec/Eln/CSE/IT
5. Member	Shri R. P. Purohit
6. Member Secretary	Director
<b>4. HR Development Committee</b>	
1. Chairman of the Council	Shri Ajit Gulabchand / Dr. V. N. Gupchup
2. DTE or his nominee	Dr. Abhay E. Wagh
3. RO- AICTE or his nominee	Dr. C. S. Verma
4. HR Expert	Dr. U. N. Gaitonde
5. Member	Shri R. P. Purohit
6. Member	Dr. A. T. Pise
7. Member Secretary	Director

#### Key Functionaries at the Institute level:

Prof. Dr. P. H. Sawant	Director
Prof. Dr. P.G. Sonvanve	Dy. Director
Dr. V. B. Dharmadhikari	Dean-Academics
Dr. D. S. More	Dean-Research & Development
Dr. B.G. Patil	I/c Dean-Students Welfare
Mr. S.B. Dhaigude	TPO
Prof. Dr. S. N. Tande	HOD-Civil Engineering
Dr. K. H. Inamdar	HOD-Mechanical Engineering
Dr. R. P. Hasbe	HOD-Electrical Engineering
Dr. Smt. A. A. Agashe	HOD-Electronics Engineering
Dr. Smt. M. A. Shah	HOD-Computer Science Engineering
Dr. A. J. Umbarkar	HOD-Information Technology
Dr. M. H. Pendse	FY Coordinator
Dr. S. B. Kadam	Registrar
Mr. S. B. Agawane	I/c Librarian
Dr. P. K. Kharat	Controller of Examinations
Dr. S. U. Sapkal	Chief Rector
Dr. S. G. Tamhankar	PG Co-ordinator

Mr. A. V. Kamble	I/c Vice Principal Polytechnic Wing
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**Organization and Governance:**

- Budget gets approved in AC meeting held in February
- Yearly Financial audit and statements of accounts are approved in the AC meeting of May every year
- Graduation Ceremony is organized every year in May. First held in May 2011
- Approval for the proposal of Purchase of high end equipment, major construction activity, appointment of faculty, etc. is sought in AC meeting
- College Development Committee (CDC) acts as bridge between management and institute.

**Other Institute Level Committees:**

Institute Related Committees	Direct Student Related Committees
<ul style="list-style-type: none"> <li>▪ Academic Committees:               <ul style="list-style-type: none"> <li>- Academic Council</li> <li>- Academic Standing Committee</li> <li>- Board of examinations</li> </ul> </li> <li>▪ Purchase Committee</li> <li>▪ Building and Works Committee</li> <li>▪ Library Committee</li> <li>▪ Campus Maintenance Committee</li> <li>▪ Admission</li> <li>▪ TEQIP Implementation Unit</li> <li>▪ Internal Quality Assurance Cell (IQAC)</li> </ul>	<ul style="list-style-type: none"> <li>- Gymkhana</li> <li>- Hostel</li> <li>- Canteen</li> <li>- Training and Placement</li> <li>- Discipline</li> <li>- Grievance</li> <li>- Anti-Ragging</li> </ul>

**Academic Council**  
(Apex Academic Body)

Constitution	Function
<p><b>Chairman:</b> Director</p> <p><b>Member Secretary:</b> Dean Academics</p> <p><b>Members:</b></p> <ul style="list-style-type: none"> <li>• All HODs</li> <li>• All Professors</li> <li>• Four Associate Professors</li> <li>• One expert each from industry, education, Law</li> <li>• Nominees of SUK</li> </ul>	<ul style="list-style-type: none"> <li>• Scrutinize and approve BOS proposals.</li> <li>• Prepare and approve academic RRs.</li> <li>• Proposals for new programs and academic activities</li> </ul>

## 1.2 Academic Programs and Admissions (Diversity) Details of 2020-21

### Intake of Diploma Programs

Sr. No.	Program	Starting Year & Current Intake	
		Diploma	
1	Civil Engineering	1955	40
2	Electrical Engineering	1955	60
3	Mechanical Engineering	1955	60
4	Industrial Electronics	1970	40
<b>Total First Year-Intake*</b>			<b>200</b>

\* 20% Lateral Entry at Second Year

### Intake and Status of NBA Accreditation: UG Programs

Sr. No.	UG Programs	Starting Year	Intake	NBA-I	NBA-II	NBA-III	NBA-IV
1	Civil Engineering	1947	60	2003-08 (5)	2016-21 (6)	--	--
2	Mechanical Engineering	1955	60	2003-06 (3)	2007-12 (5)	2016-18 (2)	--
3	Electrical Engineering	1955	60	2003-06 (3)	2007-12 (5)	2016-18 (2)	--
4	Electronics Engineering	1986	60	2003-06 (3)	2007-12 (5)	2016-18 (2)	--
5	Computer Science Engineering	1986 2000	60 90	2003-06 (3)	2007-10 (3)	2013-15 (2)	Applied
6	Information Technology	2001	60	2016-18 (2)	--	--	--
<b>Total First Year Intake</b>			<b>390 + TFWS 20 + NRI 39 + Gulf 19 (= 468) + DSY 78</b>				

\* 20% Lateral Entry at Second Year

NBA for CSE IS applied

### Intake and Status of NBA Accreditation: PG Programs

Sr. No.	PG Programs	Start Year	Current Intake	NBA-I	NBA-II
1	Civil-Environment Engineering	1971	18	2013-16 (3)	Applied
2	Civil-Structural Engineering	1971	30	2012-15 (3)	2016-21 (5)
3	Mechanical-Production Engineering	1995	30	2013-16 (3)	Applied
4	Mechanical -Design Engineering	1971	30	2012-15 (3)	2016-18 (2)
5	Mechanical -Heat Power Engineering	1971	18	Applied	
6	Electrical-Control Systems	1971	18	2012-15 (3)	2016-18 (2)
7	Electrical-Power Systems	1971	18	Applied	
8	Electronics Engineering	1987	30	2012-15 (3)	2016-18 (2)
9	CSE-Computer Science Engineering	1998	30	**	
10	CSE-Information Technology	2012	18	2016-21 (5)	
<b>Total First Year Intake</b>			<b>240</b>		

\*\* Yet to be accredited

**Admissions Details of AY 2020-21:**

Admissions to the four-year B.Tech. for the academic year 2016-17 were made along with the other autonomous institutions in the state based on IIT-JEE. Admissions to two-year M.Tech. Programs were based on the GATE and CET score followed by personal interview. Department wise and category wise admission details are as under:

**First Year B.Tech. Admission Maharashtra State Rank and Minimum Cut-off marks at WCE of AY 2020-21:**

SN	Branch	Mechanical	Electrical	Civil	IT	Electronics	CSE
1	COE Pune	252 (182)	420 (178)	1022 (170)	303(181)	363(180)	67(189)
2	VJTI Mumbai	326(180)	583(176)	1294(166)	324(180)	633(175)	80(188)
3	SP Mumbai	596(176)	897(171)	1785(162)	--	--	--
4	WCE Sangli	1208 (167)	2494(156)	3296(151)	3297(151)	3768 (148)	1869(161)
5	GCOE Aurangabad	2932(153)	5967(138)	5966(138)	5587(140)	6314(136)	3225(151)
6	GCOE Amaravati	4042(147)	6686(135)	6784(135)	7398(132)	8015(130)	3918(147)
7	SGGS Nanded	4859(143)	7822(131)	8487(129)	8844(128)	10737(122)	6440(136)
8	GCOE Karad	4698(149)	6897(134)	6091(137)	8267(129)	8921(127)	

\* If we refer Cut-off Marks at top 8 Engineering Institutes in Maharashtra, WCE Sangli Ranked 4<sup>th</sup> after COE Pune, VJTI and SP, Mumbai in 2020-21.

**PG Admissions at WCE, Sangli for 2020-21**

SN	Branch	Intake	Filled	GATE	% GATE
1	Civil-Environmental	18	18	12	66.67
2	Civil-Structural	30	30	27	90.00
3	Mechanical-Design	30	30	26	86.67
4	Mechanical-Heat Power	18	18	18	100.00
5	Mechanical-Production	30	29	18	62.07
6	Electrical-Power Systems	18	18	12	66.67
7	Electrical-Control Systems	18	15	1	06.67
8	Electronics	30	30	27	90.00
9	Computer Science Engineering	30	30	13	43.33
10	Information Technology	18	14	1	07.14
	<b>Total</b>	<b>240</b>	<b>232</b>	<b>155</b>	<b>66.81</b>

**First Year UG & PG Admission Details:**

All admission seats got filled with very high cut-off marks as shown in the following tables, with overall 26.38% girls at UG level and 55.39% reserve category students while the percentage girls at PG is 22.50% with overall 52.08% students from reserved category.

Admission Details of UG 2020-21			
Branch	Male	Female	Total
Civil	45	19	64
Mechanical	47	21	68
Electrical	47	17	64

Electronics	48	18	66
CSE	74	27	101
IT	43	20	63
<b>Total</b>	<b>304</b>	<b>122</b>	<b>426</b>
Percentage	71.36	28.64	100
R. Category	164	68	194
Percentage	53.94	55.73	45.53

Admission Details of PG 2020-21			
Branch-Specialization	Male	Female	Total
Civil-Environmental	13	5	18
Civil-Structural	26	4	30
Mechanical-Heat Power	17	1	18
Mechanical-Production	29	0	29
Mechanical-Design	26	4	30
Electrical-Power System	11	7	18
Electrical-Control System	8	7	15
Electronics	17	13	30
CSE	17	13	30
CSE - IT	5	9	14
<b>Total</b>	<b>169</b>	<b>63</b>	<b>232</b>
Percentage	72.84	27.17	100
Reserved Category	85	36	111
Percentage	50.29	57.14	47.84

## Year wise Total Strength of Students:

Branches	2017-18			2018-19			2019-20			2020-21		
	UG	PG	PhD	UG	PG	PhD	UG	PG	PhD	UG	PG	PhD
Civil	292	90	--	284	89	--	308	95	--	302	75	--
Mechanical	290	152	--	296	149	--	322	132	--	303	111	--
Electrical	284	67	--	281	66	--	325	54	--	295	57	--
Electronics	277	58	--	270	57	--	303	43	--	297	27	--
CSE	439	59	--	445	60	--	473	48	--	458	31	--
IT	279	24	--	282	14	--	297	7	--	301	8	--
<b>Total</b>	<b>1852</b>	<b>450</b>	<b>--</b>	<b>1858</b>	<b>435</b>	<b>--</b>	<b>2028</b>	<b>379</b>	<b>--</b>	<b>1956</b>	<b>309</b>	<b>--</b>

## Analysis of UG Students (Gender and Category-wise)

Branch	2017-18			2018-19			2019-20			2020-21		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Civil	201	91	292	192	92	284	209	99	308	205	97	302
Mechanical	217	73	290	225	71	296	239	83	322	228	94	322
Electrical	201	83	284	199	82	281	220	105	325	201	94	295
Electronics	166	111	277	156	114	270	178	125	303	185	112	297
Computer	288	151	439	287	158	445	318	155	473	311	147	458
Info. Tech.	178	101	279	185	97	282	191	106	297	209	92	301
<b>Total</b>	<b>1251</b>	<b>610</b>	<b>1861</b>	<b>1244</b>	<b>614</b>	<b>1858</b>	<b>1355</b>	<b>673</b>	<b>2028</b>	<b>1339</b>	<b>636</b>	<b>1975</b>



<b>Percentage</b>	67.22	32.78	100	66.95	33.05	100	66.81	33.19	100	67.80	32.20	100
<b>Reserved Category</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Percentage</b>	0	0	0	0	0	0	0	0	0	0	0	0

Percentage of **female students** is consistently **increasing** (Diversity); currently it is **37%** with **50%** in reserved **category**.

Dept.	Program	Current Intake	No. of Students			
	M. Tech.	PG	2017-18	2018-19	2019-20	2020-21
Civil	Environmental Engineering	18	16	18	17	21
	Structural Engineering	30	27	30	33	33
Mechanical	Design Engineering	30	29	30	30	32
	Heat and Power	18	18	18	11	8
	Production Engineering	30	28	25	20	10
Electrical	Power Systems	18	19	18	13	17
	Control Systems	18	17	14	11	15
Electronics	Electronics	30	29	28	8	7
CSE	Computer Science Engineering	30	30	30	19	11
IT	Information Technology	18	11	3	4	4
<b>Total</b>		<b>240</b>	<b>224</b>	<b>214</b>	<b>166</b>	<b>158</b>

#### Analysis of PG Students Admitted

Year	Intake	Admitted		GATE Qualified	
2010-11	126	89	70.63%	35	39.33%
2011-12	126	125	99.21%	92	73.60%
2012-13	144	142	98.61%	122	85.92%
2013-14	216	216	100.00%	159	73.61%
2014-15	240	240	100.00%	205	85.42%
2015-16	240	240	100.00%	200	83.33%
2016-17	240	232	96.66%	155	66.81%
2017-18	240	224	93.33%	144	64.28%
2018-19	240	214	89.17%	126	58.88%
2019-20	240	166	69.17%	75	45.18%
2020-21	240	158	65.83%	49	31.01%

- Intake capacity of PG students has almost doubled in last 5 years;
- Average 99% admissions in last five years.
- Percentage of GATE qualified students has also doubled.

## Organization and Governance

### Academic Practices

#### 1. Department level academic

- Academic policies by respective Board of Studies, (BOS)
- Academic monitoring by Department Advisory Board, (DAB), HOD/ program coordinator, Department Academic Coordinator, (DAC), class coordinator, course teacher under the guidance of Dean Academics
- Course assessment/evaluation by respective faculty coordinated by Department Examination Coordinator, (DEC) under the guidance of HOD/Dean Academics/COE
- Conduct of MSE and ESE, result processing, result analysis by Examination cell under the guidance of Controller of Examination, (COE).
- Internal and external Academic quality audits coordinated by Dean QA and IQAC cell
- E-course book
- Question paper audit
- Course delivery
- Biometric attendance system for faculty, staff and students
- Close monitoring of academic activities as per Academic Calendar
- Various Deans with HODs ensure overall progress of the programs and development of the institute.

### Recruitment Procedure and its effectiveness

- Recruitment rules of faculty and staff are strictly as per the GOM, DTE norms
- Every year the advertisements for faculty on regular basis are published in national/regional newspapers.
- A committee with University and DTE nominees and Experts from other reputed Institutes select faculty.
- Vacant faculty positions are filled on contract basis. (Twice in a year).
- RTI Disclosures

### 1.3 Faculty(Regular & Contractual), Faculty-Student Ratio, Staff Strength for UG in 2020-21:

	Sanctioned	Regular	Ad-hoc	Total
<b>Degree Faculty</b>				
Professor	8	8	0	8
Associate Prof.	19	9	0	9
Assistant Prof.	62	49	32	81
<b>Total Faculty</b>	<b>89</b>	<b>66</b>	<b>32</b>	<b>98</b>
<b>Diploma Faculty</b>				
Vice Principal	1	0	0	0
HOD	4	2	0	2
Lecturer	35	22	5	27
TPO	1	0	0	0
<b>Total Faculty</b>	<b>41</b>	<b>24</b>	<b>5</b>	<b>29</b>
<b>Non-Teaching Staff</b>				
Technical	64	42	5	47
Class IV	91	36	8	44
Administrative	47	25	21	46
<b>Total Staff</b>	<b>202</b>	<b>103</b>	<b>34</b>	<b>137</b>

## Faculty (Cadre)

Faculty position: 2020-21

Positions	Teaching Faculty						Non-teaching Staff		Technical	
	Professor		Associate Professor		Assistant Professor		M	F	M	F
	M	F	M	F	M	F				
Sanctioned posts	8		19		62		138		64	
Recruited (Regular + Contractual)	7	1	7	2	59	22	81	9	46	1
<b>Total</b>	8		9		81		90		47	

**Faculty Diversity:** 70-75% from WCE, 25 – 30% from other colleges in Maharashtra or other states

**Visiting faculty:** 5 to 10%

### 1.4 Faculty Qualification

Regular Faculty position: 2020-21

	PhD			PG+UG			Total			Total
	P	AsP	AP	P	AsP	AP	P	AsP	AP	
Civil	3	2	4	0	0	3	3	2	7	<b>12</b>
Mech	2	2	2	0	0	7	2	2	9	<b>13</b>
Elec	1	1	2	0	1	5	1	2	7	<b>10</b>
Eln	1	2	3	0	0	5	1	2	8	<b>11</b>
CSE	0	0	3	0	0	2	0	0	5	<b>5</b>
IT	1	1	3	0	0	3	1	1	6	<b>8</b>
PCM	0	0	3	0	0	4	0	0	7	<b>7</b>
<b>Total</b>	<b>8</b>	<b>8</b>	<b>20</b>	<b>0</b>	<b>1</b>	<b>29</b>	<b>8</b>	<b>9</b>	<b>49</b>	<b>66</b>
<b>Total</b>	<b>36</b>			<b>30</b>			<b>66</b>			

## 1.5 Library and Laboratory Facilities, Infrastructural Development:

### Physical Resources: Central Facilities

- Ajit Gulabchand Central Library
- Central Computing facility
- Classroom complex (Quadrangle)
- Workshop
- Examination Cell
- Hostels (D1-D8, Cyber, New Block)
- Tilak Hall (Auditorium)
- Gymkhana and sports
- Water Filtration plant and distribution system
- Power substation and Generator set
- Reprographic Facilities
- Dispensary
- Post office (Opposite to college premises)
- Bank (Services are extended during admissions)
- Faculty residences and staff quarters

### Ajit Gulabchand Central Library

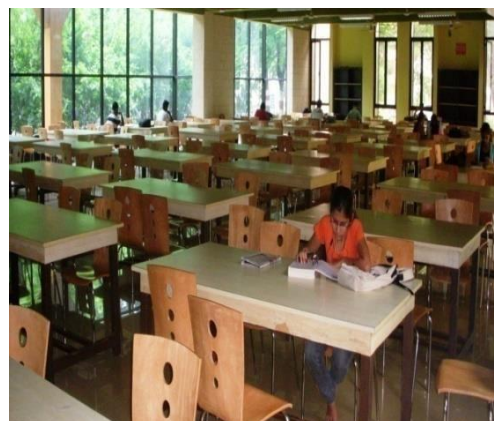
- **State of art Building** with excellent ambience
- **Enough** Reading and stacking space
- **Rich collection** of print and digital material
- **Rich collection** of bound volumes of periodical [first issue 1919]
- Rich **book bank Scheme**
- Round the clock **study room** and **digital library** facility
- Web based OPAC and digital library
- **Open access** in the library

### Ajit Gulabchand Central Library Collection

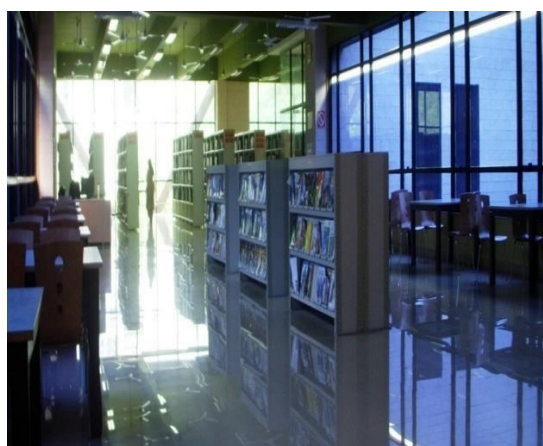
S.N.	Title	Quantity
1.	Books	Total Books=108068 (HI-56592+BB-38412+Bv-13064)
2.	Print journals and Magazines	128
3.	E- Journals and E-books	E-Journals-839, & E-Book-2325 (Springer 1890, GIST Book-435)
4.	Total No. of PG Dissertations	2723
5.	Educational Video Cassettes	77
6.	Microfiche	1700
7.	Total No. of A.V. Cassette	19 sets
8.	Total No. of CD's /DVD's	Total= 3990 CD-3412 & DVD-578



**Ajit Gulabchand Central Library**



**Reading Room**



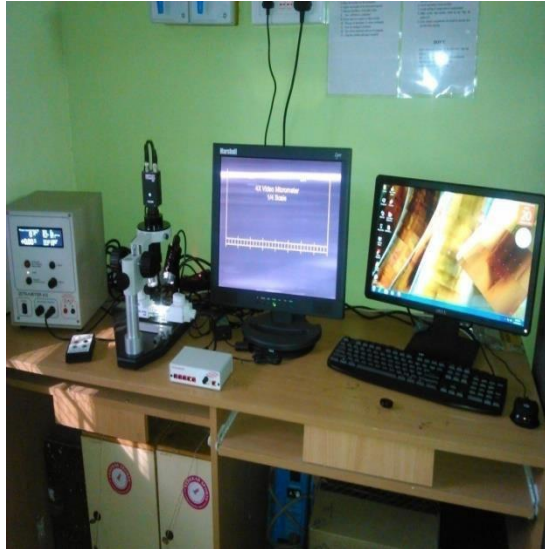
**Library Internal view**

As the institute is 70-year-old many institute facilities such as classrooms, hostels, laboratories, Internal Roads, Sport Facilities needed renovation to improve the infrastructure.

Also, through TEQIP many high-end equipment worth 5.68 Crores were purchased in different Laboratories to develop the research infrastructure. A few of the major equipment are given below:

#### **Research Facilities**

In TEQIP-I during 2004-08 WCE, Sangli received Rs.8.6 Crores for the development of UG Infrastructure. This helped us to purchase basic equipment in all the laboratories so that the entire UG practical can be conducted. We replaced all old experimental set ups with new one. In TEQIP-II we received Rs. 12.5 Crores (2012-16) of Funding to develop the PG and Research infrastructure. The Institute utilized Rs. 5.68 Crores of funds to purchase the research equipment. Some of the major equipment purchased during this period are as follows:



Zeta Meter, USA (Rs.17.5 Lacs)



Total Station (Rs.3.7 Lacs)

### Advanced Manufacturing (AML)/CNC Lab



#### Total Investment Rs. 1.23 Crore

- Integrated Multi-function CNC Machine
- S50 CNC EDM Machine
- CNC Lathe Machine
- Automatic Guided Vehicle (AGV)
- Micro Vickers Hardness Tester
- Z-Cast & AFDEX Simulation Software





**Micro Machining Centre: Vector Controlled Induction**

**Rs.32.36L**

**Motor Drives: Rs4.25L**

**Gas Chromatograph Rs. 10 L**



John Deere Sponsored Embedded System Lab in the Electronics Department and Danfoss supported Refrigeration and Air-Conditioned Lab in the Mechanical Engineering Department.

Now most of the laboratories in the entire departments are equipped with basic and research equipment. Also, these labs are refurbished to give them the modern look. Photographs of Some of the sample labs are given below:



Metallurgy Lab,

Geotechnical Engg Lab,

Power Quality and Harmonics Lab



Industrial Electronics Lab,

Database Engineering Laboratory

Microprocessor Lab

## 1.6 Sports and Extra-Curricular Facilities:

Walchand College of Engineering Sangli is having almost all Indoor and Outdoor Sports Facilities. It is utilized by the students during University Zonal Matches, Gathering Sports and National Sports Event Elan- west organized every year. Students from engineering colleges from all over the country participate in the sports competitions. The photographs of the few facilities are shown below:

- **Indoor Sports Facilities: Gymnasium, Badminton, Table Tennis, Carom, Chess, etc.**



State of Wooden **Badminton Court** (Vartak Hall) and fully equipped **Gymnasium**



**Carrom and Table Tennis**

- **Outdoor Sports Facilities: Cricket, Football, Volleyball, Basketball, Tennis Courts, Jogging Track**







**Playground for Cricket, Hockey and Football**



**Basketball, Kho-Kho facility**



**Open Air Theatre and Indoor Auditorium (Tilak Hall) for Annual Gatherings, and Other Extra Curricular Activities**

### 1.7 Facilities for Physically Challenged students:

At Walchand College of Engineering Sangli, few students are Physically Handicapped. Most of the Classrooms and Laboratories are on the Ground Floor, for which ramps are provided at places such as Library, Quadrangle, Main Administrative Buildings, etc. The photographs of these Ramps are given below:



**Ramp in Quadrangle-Civil Dept Ramp in Main Building Ramp in Main Building Entrance**



**Ramp facility at the right side of the Central Ajit Gulabchand Library**

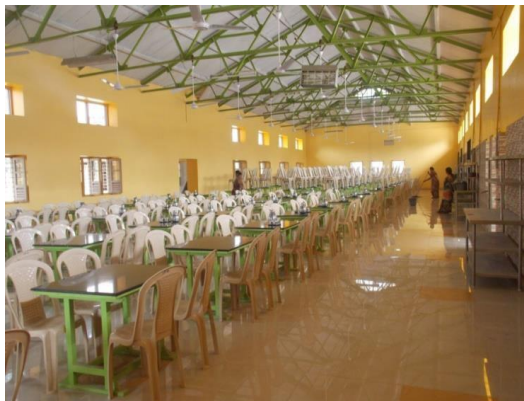
The Administrative Office and few Laboratories of IT and Electronics Department are on the First Floor. It is planned to provide a lift in the Main building for the benefit of Physically Handicapped students.

**Other Facilities**

Among other facilities we have Hostels, Mess, Medical Facility, Central Computing Facility, Language Laboratory, Water Filtration and Distribution System.



**Medical Facility:** Doctor is appointed for campus Dispensary. Regular general checkup of all students is carried out in the dispensary. **Hostels:** Total 8 Hostels with capacity of 600 boys and 550 girls.



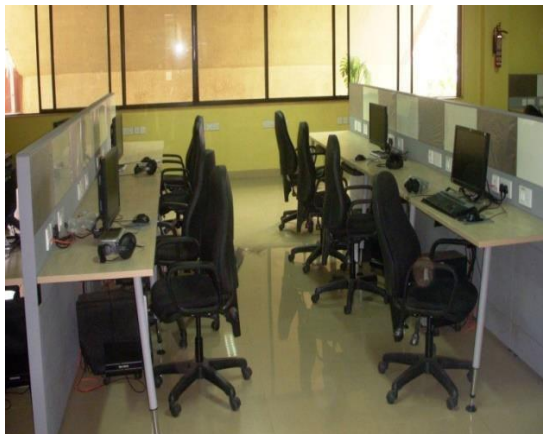
Renovated **Girls Mess** with capacity of 250 and **Canteen** with at time capacity of 60 students and 25 faculty provides subsidized food



**Water Filtration Plant** of 50000 liters capacity and Distribution System Power Substation with 325 KVA sanctioned Capacity and **Generator set** of 125 kVA capacity along with PLC and SCADA system caters to the electricity needs during load shedding.



**Central Computing facility (CCF)** With 150 networked computers. Campus wide networking with Fiber and Wi-Fi enabled having 24X7, 280 Mbps (1:1) leased line & 100Mbps NKN internet connectivity



Language Laboratory and wide internal tar Roads in the campus



Statue of Goddess of knowledge Mata Saraswati in front of Central AGC Library and lush Green Campus

## 2. RESEARCH, PROFESSIONAL PRACTICE & COLLABORATIVE PERFORMANCE

### Promotion of Research Research

#### Committee

- Review of Ph. D. progress (twice a year)
- Phase wise progress: Department level (HOD, Chairman)
- Pre-submission seminar: Institute level (Chairman: Director, Member Secretary: Dean R&D, External Faculty )
- Review of funded research projects (once a year)
- Once a year: Institute level (Chairman: Dean R and D)

### Research Culture

- Deputation under QIP and CTS
- Financial support for tuition fees for part time Ph.D. candidates
- Financial support for registration fees and inland/abroad travels for paper presentation at conferences
- QIP minor research center
- Registration fees for filing patents.
- Encouragement for applying for research proposals and publishing papers.
- Provision of seed money for pursuing minor research project
- Most of the senior faculty of each department is recognized PG/Ph. D guide and are involved in research activities

### Areas of Research

#### Civil Engineering

- Water and Wastewater Treatment
- Modeling of Environmental Systems
- Solid Waste Management
- Air Pollution
- Constructed Wetlands Building Materials and Technologies
- Energy Efficiency in Building
- Structural Engineering, Earthquake Engineering

#### Mechanical Engineering

- Machine dynamics and vibration modeling, Balancing
- Micromachining, Machining of MMCs
- Applied Soft Computing
- Optimization, Decision modeling
- Mechatronics, Control Systems
- Signal Processing
- Metal Casting
- Solidification Analysis, CFD
- Microstructure Modeling and Analysis
- Cryogenics, Heat and Fluid Flow Modeling

**Electrical Engineering**

- HV Engineering, Control Systems/Power Systems
- Power Electronics
- Electrical Drives, Electrical Machines

**Electronics Engineering**

- Signal Processing, Image Processing
- Communication Engineering
- Embedded System Design, VLSI Design
- Control Systems
- Mobile Communication. Sensor Networks

**Computer Science and Engineering:**

- Artificial Intelligence, Pattern Recognition
- Database, Data Mining
- Networking, Image Processing
- Information Security
- High Performance Computing, Cloud Computing
- Android Applications, ECG Signal Processing

**Information Technology**

- High Performance Computing
- Computer Security

**Mathematics**

- Complex Analysis

**2.1 Individual and Collaborative Research Publications and Citations and Ph.D. Guided Research Publications**

Department	No. of Papers	Books	Patents
Civil	47	-	3
Mechanical	50	-	-
Electrical	11	-	-
Electronics	20	-	1
Comp. Science	29	-	-
Info. Technology	18	-	-
General Science	-	-	-
<b>Total</b>	<b>175</b>	<b>-</b>	<b>4</b>

## Details of Research Papers:

Civil Engineering Department					
SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
1	Conference	Rising Star Evaluation using Statistical Analysis in Cricket	Mr. A. A. Magdum	1st International Conference on advances in Distributed Computing and machine learning (ICADCML2020).	October 2020
2	Conference	Human Emotion Detection using CNN	Mr. A. A. Magdum	Advances in Distributed Computing, ICMISC 2020	October 2020
3	Journal	Seismic fragility curves for torsionally imbalanced shear walled concrete building	Dr. V. S. Patil	Journal of the Institution of engineers (India): series A, 102, pages553–563 (2021)	March 2021
4	Journal	Effect of Base Isolation for Asymmetric plan RC Building Using Deterministic and stochastic approach	Dr. V. S. Patil	Journal of Structural Engineering, CSIR publication, vol.48, no.2, Chennai	April 2021
5	Conference	Artificial sand based self-compacting concrete on sustainable development in Concrete Technology	Dr. V. S. Patil	AICTE sponsored and DYP Pune	August 2020
6	Journal	Wind-Induced Fatigue Analysis of Diagrid Structural System for High Rise Steel Buildings	Dr. S. B. Kadam	Journal of Structural Engineering (JOSE), volume No 47, issue No 2	July 2020
7	Journal	Seismic fragility reduction of an unreinforced masonry school building through retrofit using ferrocement overlay	Dr. S. B. Kadam	Earthquake Engineering Engineering Vibration 19, 397–412	November 2020
8	Journal	Experimental Investigations on Masonry Buildings Strengthened using Ferro-Cement Overlay under Dynamic Loading	Dr. S. B. Kadam	ISET Journal of Earthquake Technology Paper No. 548, Vol. 57, No. 1, March 2020	March 2020
9	Conference	Impact of Carrier Media Surface Properties & their Modifications on the Biofilm Development in Moving Bed Biofilm Reactor (MBBR): A Review	Mr. B. R. Kavathekar	Fourth International Conference on Advances in Civil and Structural Engineering (ICACSE–2020) organized by Government College of Engineering Karad	May 2020
10	Conference	Carbon Footprint Assessment of an Educational Institute: A Case Study	Mr. B. R. Kavathekar	International Conference on Advancements and Innovations in Civil Engineering (Virtual Conference) jointly organized by K. D. K. College of Engineering, Nagpur, IFERP, ASCE-ISWR and IWWA-NC, ISBN: 978-93-90214-19-8	March 2021
11	Conference	Hydraulic Assessment and Calibration of Water Distribution System - A Case Study	Mr. B. R. Kavathekar	International e-Conference on Water Source Sustainability jointly organized by Indian Water Resources Society and Department of Water Resources Development and Management, IIT Roorkee	June 2021

12	Conference	Energy Audit of an Educational Institute: A Case Study	Mr. B. R. Kavathekar	International Conference on Advances in Civil Engineering (ICACE-2021), organized by KL Deemed to be University, Andhra Pradesh	June 2021
13	Conference	Water Audit of an Academic Institute: A case Study	Mr. B. R. Kavathekar	National Conference on Sustainable Environment: Challenges and Opportunities organized by Centre for Continuing Education, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	September 2020
14	Conference	Study on Hybrid Biorack Constructed Wetland	Dr. P. G. Sonavane	6 <sup>th</sup> International Conference on "Energy and City of the Future" EVF'19, MIT Pune, [E3S Web of Conferences 170, 06014, (2020), doi.org/10.1051/e3sconf/202017006014]	August 2020
15	Conference	Performance Evaluation of Integrated Decentralized Wastewater Treatment System for an Engineering College	Dr. P. G. Sonavane	International Conference on Engineering, Mathematical and Computational Intelligence (ICEMCI2019), Jabalpur Engineering College, Jabalpur	July 2020
16	Conference	Study On Integrated Treatment System for Medium Strength Domestic Wastewater	Dr. P. G. Sonavane	4th International Conference on Materials, Mechanics and Management (IMMM 2020) ISBN 978-93-89105-41-4, 369-373	March 2021
17	Conference	Air Quality Modeling by using Aermოდ: A Review	Dr. P. G. Sonavane	4 <sup>th</sup> International Conference on Advances in Civil & Structural Engineering (ICACSE - 2020) held on 28-29 May 2020 Jointly Organized by Department of Civil Engineering Government College of Engineering Karad & Rajkiya Engineering College Azamgarh at Government College of Engineering Karad	May 2020
18	Conference	Munavalli G. R., Sonavane P. G., Wandare S. M., Aswale N.K. Biradar S.	Mr. S. M. Wandare	6 <sup>th</sup> International Conference on "Energy and City of the future" EVF'19, MIT Pune [E3S Web of Conference 170, 06014. (2020), doi.org/10.1051/e3sconf/202017006014]	July 2020
19	Conference	Performance Evaluation of Integrated Decentralized Wastewater Treatment System for an Engineering College.	Mr. S. M. Wandare	International Conference on Engineering, Mathematical and Computational Intelligence (ICEMCI2019), Jabalpur Engineering College, Jabalpur (Publish on EasyChair Preprint No. 2062)	July 2020



20	Conference	Study on Integrated Treatment System for Medium Strength Domestic Wastewater.	Mr. S. M. Wandare	Proceeding for 4th International conference on Materials, Mechanics and Management IMMM 2020. College of Engineering, Trivendrum, ISBN 978-93-89105-4,366-368	May 2021
21	Journal	Wind Induced Response of Tall Building with Tapered Opening	Dr. S. N. Tande	Journal of Emerging Technologies and Innovative Research (JETIR), June 2019, Volume 6, Issue 6, ISSN-2349-5162, pp 582-590.	May 2021
22	Journal	Blast Load Mitigation of Concrete Bridge Circular Piers by External Strengthening of Pier	Dr. S. N. Tande	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 Issue VI, June 2019, ISSN: 2321-9653, pp 2648-2654.	June 2020
23	Journal	Nonlinear Transient Thermal Analysis Of Normal And High Strength Concrete Grade Column Under Fire Exposure	Dr. S. N. Tande	International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 05   May 2021 e-ISSN: 2395-0056, p-ISSN: 2395-0072.	May 2021
24	Journal	Seismic Behaviour of Steel Braced Base Isolated Reinforced Concrete Building Frame” “Nonlinear Transient Thermal Analysis of Normal And High Strength Concrete Grade Column Under Fire Exposure	Dr. S. N. Tande	International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 05   May 2021 e-ISSN: 2395-0056, p-ISSN: 2395-0072.	May 2021
25	Journal	Study of Haunched Beam Frame Subjected to Various Load Conditions	Dr. S. N. Tande	International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 05   May 2021 e-ISSN: 2395-0056, p-ISSN: 2395-0072.	May 2021
26	Journal	Seismic Performance and Optimization of Multistoreyed Building By Outrigger Along Belt Truss Structure	Dr. S. N. Tande	International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 05   May 2021 e-ISSN: 2395-0056, p-ISSN: 2395-0072.	May 2021
27	Conference	Water Audit of an Academic Institute: A case Study	Mr. G. M. Bhosale	National Conference on Sustainable Environment: Challenges and Opportunities organized by Centre for Continuing Education, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar	September 2021
28	Journal	Speedy construction of RCC work in high-rise buildings by optimizing shoring/reshoring levels using genetic algorithm	Dr. P. K. Sohoni	Practice Periodical on Structural Design and Construction	March 2020
29	Journal	Evaluating the factors for shore selection in multi-storey building construction	Dr. P. K. Sohoni	International Journal of Construction Management	May 2020
30	Conference	Review of Connection details for Hollow Steel Sections (HSS) in a Framed Structures – A State of the art	Dr. R. S. Desai	International conference on Engineering, Mathematical and Computational Intelligence, ICEMCI20, Jabalpur, India	December 2020

31	Journal	Systematic pretreatment process and optimisation of sugarcane bagasse ash dosage for use in cement-based products	Dr. A. K. Mali	ASCE Journal of Materials in Civil Engineering, Vol. 33 (4): 04021045.	January 2021
32	Journal	A systematic assessment for the determination of sugarcane bagasse ash variation potential throughout the harvesting season	Dr. A. K. Mali	Journal of Materials Today: Proceedings, 32:888-895, Elsevier Ltd.	May 2020
33	Journal	Seismic stability analysis of nailed vertical cut using modified pseudo-dynamic method	Dr. A. K. Kokane	Elsevier - Soil Dynamics and Earthquake Engineering ( <a href="https://doi.org/10.1016/j.soildyn.2020.106294">https://doi.org/10.1016/j.soildyn.2020.106294</a> )	October 2020
34	Journal	Nail Forces and Locus of Maximum Tension of Nailed Cut Subjected to Seismic Excitations: A Calculus Approach with Log-Spiral Failure Surface	Dr. A. K. Kokane	ASCE - International Journal of Geomechanics ( <a href="https://doi.org/10.1061/(ASCE)GM.1943-5622.0002213">https://doi.org/10.1061/(ASCE)GM.1943-5622.0002213</a> )	November 2021
35	Journal	Reinforcement strength and length requirement of each layer in a nailed slope subjected to seismic loading	Dr. A. K. Kokane	Taylor & Francis- Geomechanics and Geoengineering ( <a href="https://doi.org/10.1080/17486025.2021.1928771">https://doi.org/10.1080/17486025.2021.1928771</a> )	June 2021
36	Conference	Application of Remote Sensing and GIS for Tidal Power Potential Assessment	Mr. P. K. Deshpande	ACE2020 VNIT Nagpur	November 2020
37	Conference	Generation of Thematic Layers for Flood Hazard Zonation along the Banks of Koyna River near Patan	Mr. P. K. Deshpande	ACE 2020 VNIT Nagpur	November 2020
38	Conference	Flood Hazard Mitigative Protection Measures along the Banks of Koyna River near Patan Based on Spatial Data	Mr. P. K. Deshpande	ACE 2020 VNIT Nagpur	November 2020
39	Conference	Performance Evaluation of Baffled and Floating Hybrid Constructed Wetland Operated Under Field Conditions	Dr. G. R. Munavalli	6th International Conference on "Energy and City of the Future" EVF'19, MIT Pune, [E3S Web of Conferences 170, 06014, (2020), <a href="https://doi.org/10.1051/e3sconf/202017006014">doi.org/10.1051/e3sconf/202017006014</a> ]	October 2020
40	Conference	Design of Centralized and Decentralized Wastewater Treatment System for Jaysingpur city- A case study	Dr. G. R. Munavalli	International E-Conference on WATER SOURCE SUSTAINABILITY, June 16 -20, 2021, IIT Roorkee	June 2021
41	Journal	Study on Domestic Wastewater Treatment by Moving Bed Sequencing Batch Reactor	Dr. G. R. Munavalli	International Journal of Engineering Sciences and Management -A Multidisciplinary Publication of VTU 2019; Vol: 1, No: 2, pp: 71-79	October 2020
42	Journal	Water Treatment by Ceramic Filter Impregnated with Titanium Dioxide Nanoparticles	Dr. G. R. Munavalli	International Journal of Engineering Sciences and Management -A Multidisciplinary Publication of VTU 2020; Vol: 2, No: 4, pp: 1-7	August 2020

43	Journal	Residential Water Demand Modelling and Hydraulic Reliability In Design Of Building Water Supply Systems: A Review	Dr. K. S. Gumaste	Water Supply 2021; ws2021021. doi: <a href="https://doi.org/10.2166/ws.2021.021">https://doi.org/10.2166/ws.2021.021</a> IWA Publishing, London, UK, ISSN 1606-9749 EISSN 1607-0798	January 2021
44	Journal	Impact of Sugar Industry Effluent on Quality of Groundwater at Rasulwadi— Sambarwadi, Maharashtra, India	Mr. C. H. Wagh	Global Challenges in Energy and Environment Springer, Singapore	August 2020
45	Conference	Treatment of Dairy Wastewater by using Hybrid Water Hyacinth and Water Lettuce System	Mr. C. H. Wagh	4th international conference on Advances in Civil and Structural Engineering conducted by Government College of Engineering, Karad	May 2020
46	Conference	Study on Hardness Removal from Water by Using Chara Algal Species	Mr. C. H. Wagh	Recent Advancement on Civil Engineering, Construction Techniques And Materials, (Racecam-2020).	July 2020
47	Conference	Treatment of Domestic Wastewater from Hospital by using Advanced Oxidation Process: A Case Study	Mr. C. H. Wagh	ITechCET 2021 (International Conference on Research Advances in Engineering and Technology)	March 2021

#### Mechanical Engineering Department

Sr. No	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
1.	National Journal	Analysis of Flow Past Naca 66251 Isolated Aerofoil using Matlab and Experimentation	Ajay R Ranade	Aero journal of India (student publishing)	August 2020
2.	National Journal	Analysis of Flow Past Naca 66251 using Vortex Panel Method and Experimentation	Ajay R Ranade	Aero journal of India (student publishing)	August 2020
3.	International Journal	Mathematical Modelling of Reed Valve Lift with Crank Angle in Piston Compressors	Ajay Saraf, R. K. Kulkarni, Jay Shah, Utsav V	2020 JETIR August 2020, Volume 7, Issue 8	August 2020
4.	International Journal	Prediction of Thermal Performance of Crossflow Economiser in Transient Mode using Transient Analysis Program	Saurabh D. Zambare, R. K. Kulkarni, N. K. Sane, A. P. Samant	2020 JETIR August 2020, Volume 7, Issue 8	August 2020
5.	International Journal	Thermal Performance Analysis of Window AC with Evaporative Cooling of Condenser	Pratap P. Degale, R. K. Kulkarni	2020 JETIR August 2020, Volume 7, Issue 8	August 2020
6.	International Journal	Performance Evaluation of Particle Damping for Gear Transmission System	Rohit S. Kamraddi, Prof. P.D. Maskar	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7, Issue 8, 1187-1192	August 2020
7.	International Journal	Vibration Analysis of Magneto-Rheological Sandwich Beam	Lahane A. B.	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7, Issue 7, 1873-1881	July 2020
8.	International Journal	Development of Test Setup for Obtaining Mode Shapes	Mr. Aniket Jadhav, Prof. Abhinandan	Journal of Emerging Technologies and Innovative	August 2020

		of Beams	Admuthe	Research (JETIR), Vol. 7, Issue 8, pp. 218-224	
9.	International Journal	Design of Experimental Setup for Study of Fluid Elastic Instability in Finned Tube Array Subjected to Air Cross Flow	Akshay G. Tayade, Prof. S. M. Arali	Journal of Applied Science and Computations Vol. VII, Issue VII, 1076-5131	July 2020
10.	International Journal	Modal Analysis of Thin Composite GLARE Plate	Shubhamkar Suryawanshi, Dr. M. M. Khot	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7, Issue 8, pp 420-423	August 2020
11.	International Journal	Dynamic Response Analysis of Preloaded Bolted Joints under Harmonic Excitation	Mr. Tushar Shinde, Dr. S.G. Joshi, Prof. V.V.Dhende	Journal of Emerging Technologies and Innovative Research (JETIR),	September 2020
12.	International Journal	Dynamic Response Analysis of a Cantilever Beam Subjected to Base Excitation	Amit Pharande, Dr. S. G. Joshi, Prof. A. B. Admuthe	Journal of Emerging Technologies and Innovative Research (JETIR),	August 2020
13.	International Journal	Natural Frequencies of the Hollow Cantilever Beam with Tip Mass.	Randive V. K, Prof. A. B. Admuthe.	Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 7, Issue 8, Page no.1176-1186.	August 2020
14.	International Journal	MQL Turning of EN-8 Steel Using Plant-Based Lubricant and Its Performance Analysis with Wet and Dry Turning	Vijay Teli, Kedar Inamdar	Journal of Emerging Technologies and Innovative Research (JETIR)	August 2020
15.	International Journal	Development And Characterization of Polyterafluoroethylene (PTFE) And Expanded Graphite Nanocomposite	Ms. Anjum Mujawar	Journal of Emerging Technologies and Innovative Research (JETIR)	September 2020
16.	International Journal	Carbon Nanofiber Assisted Micro-Electro Discharge Machining ( $\mu$ edm) of Ti- 6Al-4V Alloy	Prasanna B. Chougule, Rakesh G. Mote, Uday A. Dabade	Journal of Precision Technology, Vol. 9. No.1,2020	September 2020
17.	International Journal	Energy and Exergy Analysis of An Organic Rankine Cycle Integrated with Vapour Compression Refrigeration System	Prateek D. Malwe, Bajirao S. Gawali, Mahmadrafik S. Choudhari, Rustam S. Dhalait	Advances and Applications in Mathematical Sciences	December 2020
18.	International Journal	Manufacturing and Analysis of Cost- Effective Scalp Cooling System	Pravin Ashok Mane, Seema Pravin Mane, R. B. Dhumale, N. R. Dhumale	GIS Science Journal	December 2020
19.	International Journal	Thermal Analysis of Battery Used in E- Bicycle	Pravin Ashok Mane, Seema Pravin Mane, Sanket Sunil Mukane, R. B. Dhumal, N. R. Dhumale	GIS Science Journal	December 2020
20.	International Journal	Optimization of Gating and Feeding System for Sand Casting of Connecting Rod Using Casting Simulation	Saurabh S. Lohar, Dr. Kedar H. Inamdar	International Journal for Researching Applied Science and Engineering Technology Vol. 9 Issue 1 Jan 2021	January 2021

21.	International Journal	Optimization Process Parameters of FDM Printer Using Design of Experiments Method	Unnati Shaha, Dr. Kedar H. Inamdar	International Research Journal of Engineering and Technology (IRJET) Vol. 08, Issue 03,	March 2021
22.	International Journal	Comparative Analysis of Double Cover Single Bolted Butt Joint using ABS and PLA Material	Aishwarya R Tarale, Dr. Kedar H. Inamdar	International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 9, Issue III	March 2021
23.	International Journal	Design Optimization of Magneto-Rheological Damper for Vehicle Suspension System	Madhav K. Avhad, Prabhakar D. Maskar	Journal of Emerging Technologies and Innovative Research (JETIR), August 2020, Volume 7, Issue 8	August 2020
24.	International Journal	Design A New Pressure Regulating Valve for Fuel Injection Pump of Diesel Engine	Aishwarya Krishnat Jadhav, Dr. S.G. Joshi, Prof. P.D. Maskar, Mr. Sandip V. Patil	International Journal of Engineering Research and Technology (IJERT), Vol. 9 Issue 09, pp 1187-1192 Sept 2020, ISSN: 2278-0181	September 2020
25.	International Journal	Modeling And Analysis of Human Femur Bone with Alternate Material	Rishikesh Gaikwad, S. M. Arali	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7, Issue 11	November 2020
26.	International Journal	Design And Analysis of Mounting Arrangement of The Rotary Turbine Control (RTC) Drive System	Prajakta Raosaheb Yadav, Prof. S. H. Limaye, Smita K Nandargi, Monali Gulame	International Journal of Engineering Research & Technology (IJERT), Vol. 9 Issue 09, September-2020, pp 244-258, ISSN:2278-0181	September 2020
27.	International Journal	Design of Durability Test Setup for S.S Braided Exhaust Pipe Used in Automobiles and Modal Analysis Base Frame of Test Setup	Sanket Gurav, Shridhar Limaye	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7, Issue 11, November 2020, pp 590-594, ISSN-2349-5162	November 2020
28.	International Journal	Prediction of Design Margin for Diesel Exhaust Fluid Tank Bracket by FEA Approach	Sayali B. Pawar, Dr. Ranjit G. Todkar	International Journal of Engineering Research & Technology (IJERT), Vol. 9 Issue 09, September-2020, pp 162-168, ISSN: 2278-0181	September 2020
29.	International Journal	Design and Analysis of Electronically Controlled Pneumatic Brake Valve Components for Commercial Vehicles	Sumit Sonawane, S. M. Arali, Venkateshwara Rao Nakka,	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7, Issue 12, December 2020, pp 334-339, (ISSN-2349-5162)	December 2020
30.	International Journal	Effect Of Boron Carbide Filler on Mechanical and Tribological Properties of Polytetrafluoroethylene Based Nanocomposite	P. H. Patil, Dr. M. M. Khot	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7, Issue 9 September 2020, pp 225-230	September 2020
31.	International Journal	Vibration Based Modelling of Acoustic Emission of Rolling Element Bearings	A. P. Patil B. K. Mishra, S. P. Harsha	Journal of Sound and Vibration, Volume 468, 2020, 115117 <a href="https://doi.org/10.1016/j.jsv.2019.115.117">https://doi.org/10.1016/j.jsv.2019.115.117</a>	September 2020
32.	International Journal	A Mechanics and Signal Processing Based Approach for Estimating the Size of	A. P. Patil, B. K. Mishra, S. P. Harsha	European Journal of Mechanics / A Solids, Volume 85, 2021, 104125	September 2020

		Spall In Rolling Element Bearing		<a href="https://doi.org/10.1016/j.euromechsol.2020.104125">https://doi.org/10.1016/j.euromechsol.2020.104125</a>	
33.	International Journal	Fault Diagnosis of Rolling Element Bearing using Autonomous Harmonic Product Spectrum Method	A. P. Patil, B. K. Mishra, S. P. Harsha	Journal of Multi-body Dynamics, In press <a href="https://doi.org/10.1177/146441932199">https://doi.org/10.1177/146441932199</a>	February 2021
34.	International Journal	Analytical Model of Rolling Element Bearing for Studying its Wear Modelled As Change in its Clearance	A. P. Patil, B. K. Mishra, S. P. Harsha	Materials Today Proceedings, In press <a href="https://doi.org/10.1016/j.matpr.2021.01.576">https://doi.org/10.1016/j.matpr.2021.01.576</a>	March 2021
35.	International Journal	Finite Element Analysis of No Tube in Window Tube sheet And Base Nozzle	Shreyas Valake, V. V. Dhende, Dr. S. G. Joshi, C. K. Bhande	Journal of Emerging Technologies and Innovative Research (JETIR) November 2020, Volume 7, Issue 11	November 2020
36.	International Conference	Multi Objective Optimization of Dry EDM with Inconel 718 using Grey Relational Analysis	A. S. Bhandare, U. A. Dabade	International Conference on Intelligent Manufacturing and Automation	March 2020
37.	International Conference	A Review of Ultrasound Assisted Electrolytic In-Process Dressing (UA-LID)	Dhanesh B. Awati, Rahul chanmanwar	Third International Congress on Advances in Mechanical Science	August 2020
38.	International Conference	Lean Manufacturing Implementation in Crankshaft Manufacturing Company	Dr. Sapkal Sagar, Abhishek Joshi	Second International Conference on Future Learning Aspects of Mechanical Engineering (FLAME-2020)	August 2020
39.	International Conference	No <sub>x</sub> Reduction in Calciner using Air Staging and Raw Meal Split Technology	Shubham Kinekar, Mr. Pravin Mane, Dr. Vivek Vitankar, Shital Mone, Adnan Taqi	Materials Today: Proceedings, <a href="https://doi.org/10.1016/j.matpr.2020.12.143">https://doi.org/10.1016/j.matpr.2020.12.143</a>	August 2020
40.	International Conference	Performance and Analysis of Battery Thermal Management System Used in Electrical Vehicles (Evs)	Sanket Mukane, Pravin A. Mane, Adarsh Gaddam	International Conference on Sustainable Development in Mechanical Engineering (SDME 2020)	September 2020
41.	International Conference	Dynamic Analysis of a Novel Modular Robot	Omkar D Dixit, Prof. V.V. Dhende	Congress on Intelligent Systems (CIS 2020), Organized by Soft Computing Research Society	September 2020
42.	International Conference	Multi-Criteria Optimization of Aerospace Alloys in WEDM Using TOPSIS	Sanjay Heralge, Umashankar Gupta Jamil dabir	Online International Congress on Advances in Mechanical Science	September 2020
43.	International Conference	A Review on Identification and Elimination of Ovality in Circular Holes During Manufacturing of Hollow Cylindrical Components	Shrinath mane Jamil dabir	Online International Congress on Advances in Mechanical Science	September 2020
44.	International Conference	Design Failure Mode and Effect Analysis-Case Study	Adila R. Nadaf, Rahul M. Chanmanwar	3 <sup>rd</sup> International Congress on Advances in Mechanical Sciences (ICAMS-2020)	August 2020
45.	International Conference	Application of Lean Tools for Compressor Assembly Line	Sanket Borgave, Sagar Sapkal	3 <sup>rd</sup> International Congress on Advances in Mechanical Sciences (ICAMS-2020)	August 2020

46.	International Conference	Investigating the Effects of Welding Parameters on Mild Steel by SMAW Technique	Rohit pagare, Dhanesh Awati, Shrinath Mane, Vijay teli, Amar Bhandare	3 <sup>rd</sup> International Congress on Advances in Mechanical Sciences (ICAMS-2020)	August 2020
47.	International Conference	Artificial Intelligence for Prediction of Performance and Emission Parameters of CI Engine using Biofuel	Ajay V. Kolhe, Prateek D. Malwe, Ganesh S. Wahile	National Conference on Physics and Chemistry of Materials (NCPCM-2020)	September 2020
48.	International Conference	Modified Direct Clustering Algorithm for Group Formation in Cellular Manufacturing	G. C. Potdar, S. U. Sapkal, A. S. Shivade	International Conference on Artificial Intelligence and Machine learning (ICAML-2020)	December 2020
49.	International Conference	Numerical Analysis of Inertance Pulse Tube Refrigerator	Mohmad Rafik Choudhari, Dr. B. S. Gawali, Prateek Malwe	International Conference on Optimization Techniques and Recent Innovations in Mechanical Engineering	February 2021
50.	International Conference	Mapping Lean Six Sigma With 8D Problem Solving Methodology to Improve Productivity and Safety: A Case Study	Sagar U. Sapkal	4 <sup>th</sup> International Conference on Innovations in Mechanical Engineering (ICIME-2021)	February 2021

#### Electrical Engineering Department

SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
01	International Conference	Experimental Failure Analysis and Investigation of causes for 200 kVA, 11kV/415V Distribution Transformers	Dr. D. S. More , Vivek Anand, Arvind Jain, and Sudeep Mohaney	International Conference Recent Advances in Renewable Energy Sources	February 2021
02	International Conference	Recent Technologies and Control Methods for Electric Power Systems in More Electric Aircrafts: A Review	Mrs.A. S. Karvekar , Joshi P. M.	"International Conference on Research and Innovations in Science, Engineering & Technology" ICRISET-2020	September 2020
03	International Conference	A Z- source based bidirectional series circuit breaker for DC applications	Mrs. S.L Shaikh, Tejas Bhaskar	International Conference on Smart Electronics and Communications	September 2020
04	International Conference	Design of Fuzzy-Logic-Based Unified Power Flow Controller and Validation for Fault Conditions	Mrs. S.L Shaikh, Rushikesh Jadhav	4th International Conference on I-SMAC	October 2020
05	International Journal	Sympathetic Tripping in mesh Distribution System and methods to mitigate its effects in Power System	Dr. R. P. Hasabe, Ms. Shweta S. Karanje	International Journal of Engineering Research and technology, IJERT, Volume 9, Issue 7	July 2020
06	International Journal	Quasi Z-Source Extended Boost Inverter with Active Z-Network Switch	Dr. R. P. Hasabe ,Mr. Nathrao V. Munde	International Journal of Engineering Research and technology, IJERT, Volume 9, Issue 7	July 2020
07	International Journal	A New Method for Detecting Stable and Unstable Power Swings	Dr. R. P. Hasabe, Shubham S. Medhekar	International Journal of Engineering Research and technology, IJERT, Volume	July 2020

				9, Issue 7	
08	International Journal	Renewable Energy Based Isolated EV Charging Station	Dr. R. P. Hasabe, Shital Mahatmaji Patil	Journal of Emerging Technologies and Innovative Research (JETIR) (ISSN: 2349-5162) Volume 8 Issue 6. 30 ISSN UGC Approved (Journal No: 63975)	June 2021
09	International Journal	Electric Vehicles: A Review on Technological Trends and Performance Improvement Strategies	Mr. S.S. Karvekar , P. M. Joshi	Journal of Seybold Report, Volume 15, Issue 8, 2020, SBR/0820-273 ISSN No: 1533-9211	August 2020
10	International Journal	Study of Different Control Methods of Active Power Filter for Harmonic Reduction	Mr. S. S. Karvekar , A. B. Pol	International Journal of Engineering Research and Technology, ISSN 2278-0181, Vol. 9, Issue 9	September 2020
11	International Journal	Analysis of the single-phase split source inverter by using different AC-DC topology	Mrs. S. L. Shaikh , Omkar Londhe	International Journal of Engineering Research and Technology	July 2020

**Electronics Engineering Department**

SN	Type of Publication	Title of Paper	Names of Authors	Journal/ Conference Details	Date of Publication
1	International Journal	Automatic Number Plate Recognition System Using Deep Learning Techniques	Ms. Shradha S. Ghadage, Mr. S. R. Khedkar	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 07	July 2020
2	International Journal	Design and Implementation of Object Detection Algorithm	Ms. Shalaka G. Kamble, Ms. S. U. Patil	International Journal for Research and Development in Technology, Vol.14, Issue 1, ISSN 2349-3585	July 2020
3	International Journal	Fertilizer Spraying Drone for Agriculture Application and Controlling it over Wi-Fi	Mr. Kalyan M. Patil, Dr. Mrs. M.M. Patil	International journal of Innovative Research in Science, Engineering Technology Vol. 9, Issue 9	September 2020
4	International Conference	Video Super Resolution by Neural Network: A Theoretical Aspect	Ms. Mrunmayee V. Daithankar, Dr. S. D. Ruikar	International Conference on Recent Innovative Trends in Computer Science and application at Ramaiah Institute of Technology, Bengaluru	October 2020
5	International Journal	A Finger Vein Image-based Personal Identification System with Self-adaptive Illuminance Control	Mr. Ananta Valekar, Dr. Mrs. A. A. Agashe	International Research Journal of Engineering and Technology e- ISSN: 2395-0056 Volume: 08 Issue: 01   Jan 2021 ISSN: 2395-0072	January 2021



6	International Journal	Review Paper on Contactless Attendance System based on Face Recognition	Shubham Kadam , Mr. S. R. Khedkar	International Research Journal of Engineering and Technology e- ISSN: 2395-0056 Volume: 08 Issue: 01   Jan 2021 p- ISSN: 2395-0072	January 2021
7	International Journal	A Review of Techniques used in Automatic Human Following Trolley	Ms. Kiran Ingole, Mr. S. R. Khedkar	International Research Journal of Engineering and Technology (IRJET) Volume 8, Issue 1, January 2021 <a href="https://www.irjet.net/volume8-issue1">https://www.irjet.net/volume8-issue1</a> S.No: 322	January 2021
8	International Journal	Region based Object Recognition through Colour Segmentation using Simplified Pulse Coupled Neural Network (SPCNN)	Ameya B. Joshi, Dr. S. D. Ruikar	International Research Journal of Engineering and Technology e- ISSN: 2395-0056 Volume: 08 Issue: 04   Apr 2021 p- ISSN: 2395-0072	April 2021
9	International Journal	Developments of Deep Learning for Animal Classification: A Review	Miss. Sayali V. Chavan , Mr. R. G. Mevekari	International Research Journal of Engineering and Technology e- ISSN: 2395-0056 Volume: 08 Issue: 05   May 2021 p-ISSN: 2395-0072	May 2021
10	International Journal	Deep Learning Model of Clinical Decision Support System for Early Detection of COVID 19	Ms. Pooja Zagade, Ms. S. U. Patil	International journal for Research and Development in Technology Vol. 16, Issue 1	July 2021
11	International Journal	Design and Development of Clinical Decision Support System for Early Detection of COVID 19	Ms. Pooja Zagade, Ms. S. U. Patil	International journal for Engineering and Technology, volume 8, Issue 7	July 2021
12	International Journal	Automatic Human Following Trolley using Raspberry Pi	Ms. Kiran Ingole, S. R. Khedkar	International Research Journal of Engineering and Technology (IRJET) Volume 8, Issue 7, July 2021 <a href="https://www.irjet.net/volume8-issue7">https://www.irjet.net/volume8-issue7</a> Sr.No: 268	July 2021
13	International Conference	A Review: Condition Based Techniques and Predictive Maintenance for Motor	Aniket A. Manjare, Dr.B. G. Patil	Proceedings of the International Conference on Artificial Intelligence and Smart Systems (ICAIS-2021) IEEE Xplore Part Number: CFP21OAB-ART; ISBN: 978-1-7281-9537-7	April 2021

14	International Journal	Contactless Attendance System based on Face Recognition using OpenCv	Shubham Kadam, Mr. S. R. Khedkar	International Research Journal of Engineering and Technology e- ISSN: 2395-0056 Volume: 08 Issue: 07   July 2021 p- ISSN: 2395-0072	July 2021
15	International Journal	Remote Laboratory for Conducting Various Experiments on Operational Amplifier	Trupti Kadam, Dr. V. B. Dharmadhikari	International Research Journal of Engineering and Technology e- ISSN: 2395-0056 Volume: 08 Issue: 08   Aug 2021 p- ISSN: 2395-0072	August 2020
16	International Journal	R-PI Based Detection Of Lung Cancer Using Mri Image	Miss Parina Gulab Shikalgar, Dr. B. G. Patil	International Research Journal of Modernization in Engineering Technology and Science Volume:03/Issue:08	August 2020
17	International Conference	Street View Text Detection Methods: Review Paper	Anuja Shinde, Dr. Mrs. M.M. Patil	Proceedings of the International Conference on Artificial Intelligence and Smart Systems (ICAIS-2021) IEEE Xplore Part Number: CFP21OAB-ART; ISBN: 978-1-7281-9537-7	January 2021
18	International Journal	Weeding Robot for Vineyard: A Review	Mr. Nilesh S. Patil. Dr. V. B. Dharmadhikari	International Journal of Innovative Research in science, Engineering and Technology, Volume: 04 Issue: 05 e-ISSN: 2319-8753, PISSN 2320-6710	September 2020
19	International Journal	Comparison of various Techniques of 1-bit Full Adder in Cadence 90nm Technology	Ms. Raheal More, Mrs. M. R. Khare	International Research Journal of Engineering and Technology (IRJET) e- ISSN: 2395-0056 Volume: 08 Issue: 08   Aug 2021	August 2020
20	International Conference	Non-invasive Methodological Techniques to Determine Health of a Bone	Mrs. M. R. Khare	Springer Nature Switzerland AG 2021 P. M. Pawar et al. (eds.), Techno-Societal 2020,	January 2021

#### Computer Science and Engineering Department

SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
01	International Journal	Threat Detection with Facial Expression and Suspicious Weapon	Kiran Kamble, Swapnil Sontakke, Pooja Mundada, Aprupa Pawar	Part of the Advances in Intelligent Systems and Computing book series	July 2021
02	International Journal	Customer Feedback Through Facial Expression Recognition Using Deep Neural Network	Tejashri P. Dandgawhal, Bashirahamad F.	Advances in Intelligent Systems and Computing (Book Series)	July 2021

			Momin		
03	International Journal	Emotion Recognition Using Chatbot System	Shraddha Pophale, Hetal Gandhi, Anil Kumar Gupta	Advances in Intelligent Systems and Computing (Book Series)	October 2020
04	International Journal	IQINN: Improve the Quality of Image by Neural Network	Priyanka Birajdar, Bashirahamad Momin	Smart Innovation, Systems and Technologies (Book Series)	April 2021
05	International Journal	Lie Detection Using Thermal Imaging Feature Extraction from Periorbital Tissue and Cutaneous Muscle	Prajakta Kodavade, Shivani Bhandigare, Aishwarya Kadam, Neha Redekar, Kiran P Kamble	Part of the Lecture Notes in Networks and Systems (book series)	April 2021
06	International Journal	Finding the Kth Max Sum Pair in an Array of Distinct Elements Using Search Space Optimization	D Ahire, S Bhandari, K Kamble	Part of the Lecture Notes in Networks and Systems (book series)	April 2021
07	International Journal	Experimental Analysis of Soft Set Based Parameter Reduction Algorithms for Decision Making	Priyanka Lanjewar, Bashirahamad Momin	Turkish Journal of Computer and Mathematics Education	June 2021
08	International Journal	Early Flood Detection and Alarming System using Machine Learning techniques	Pooja Mane, Meghana Katti, Preeti Nidgunde, Anil Surve	International Journal of Reaserch in Engineering, science and Management	October 2020
09	International Journal	IOT Enabled Smart School Bus Tracking System	P Pawar Binwade, S Kothawale, Anil Surve	Journal	July 2021
10	International Journal	Stress Prediction using Random Forest Linear Regression	A. R. Surve, Vaibhav R. Mali	International Journal of Engineering applied science and Technology	July 2021
11	International Journal	Human Activity recognition and Fall detection	A.R. Surve, Disha D. Jatkar	International Journal of Engineering applied science and Technology	July 2021
12	International Journal	Design and Development of Context Aware Abnormal activity recognition System for elderly and disabled person using ML/DL approach	Anil Surve, Smita Shirshat	Journal of Emerging Technologies and Innovative Research	December 2020
13	International Journal	Human Activity Recognition Based Child Monitoring System	Anil R. Surve Meghana Avinash Katti, Pooja Subhash Mane, Preeti Pradeep Nidgund	International Journal for Scientific Research & Development	August 2020
14	International Journal	A Review on Energy Conservation System with IoT Oriented Technique	Ms Dhanshree Barge, AR Surve	International Research Journal of Engineering and Technology	July 2020
15	International Journal	Amazon review sentiment analysis using FastText	Anil R. Surve Abhishek S. Muskawad, Sohail M. Momin, Swaroop D. Sawadkar	International Journal for Scientific Research & Development	August 2020
16	Springer Book Series	IoT Enabled Detection of Suspicious Human Behavior for ATM Environment	Vaishnavi R Mali, Anil R Surve, VR Ghorpade	Book Series - Advances in Cybernetics, Cognition, and Machine Learning for Communication	August 2020

				Technologies	
17	IEEE Conference Proceeding	Performance Analysis of Parallel Image Processing Operations	Saurabh Zade, Rushikesh Korde, Rahul Sonone, Medha Shah	International Conference on Communication and Signal Processing	July 2020
18	International Journal	Soil Nutrient Analysis and Crop Fertility Prediction using Deep Learning	Diksha D Kharat, Medha A Shah	Journal of Innovation in Computer Science and Engineering	June 2020
19	IEEE Conference Proceeding	EQLRI: Enhance the Quality of Low-Resolution Image using Neural Network	Priyanka Birajdar, Bashirahamad Momin	International Conference for Innovation in Technology	January 2021
20	International Journal	Detection and Extraction Building Footprint from High Resolution Satellite Imagery	Nitin L. Gavankar Rohan A. Gaikwad	International Journal of Creative Research Thoughts	November 2020
21	International Journal	Enhancement and Suggestion System using NLP and ML for Response Classification	Abhijit U. Shelake, Mrs Hetal V Gandhi	International Journal of Scientific Research & Engineering Trends	August 2020
22	International Journal	Object Detection System for the Blind with Voice Guidance	Miss Rajeshvaree Ravindra Karmarkar, VN Honmane	IJEAST	March 2021
23	International Journal	Memes Classification System Using Computer Vision and NLP Techniques	Rachana Jadhav, Vikas N Honmane	IJEAST	March 2021
24	International Journal	Entity Recognition by Natural Language Processing and Machine Learning	Supriya Shelake, Vikas Honmane	Journal	August 2020
25	International Journal	A Review on Prediction of Autism using Machine Learning Algorithm	Dr. K Anusha Mr. Siddharaj D Pujari	International Journal of Advanced Science and Technology	June 2020
26	IEEE Conference Proceeding	Decentralised freelancing using Ethereum blockchain	Prathmesh Deshmukh, Shreyas Kalwaghe, Ajinkya Appa, Aprupa Pawar	International Conference on Communication and Signal Processing	July 2020
27	IEEE Conference Proceeding	Analysis of Algorithms for User Authentication using Keystroke Dynamics	Shivshakti Singh, Aditi Inamdar, Aishwarya Kore, Aprupa Pawar	International Conference on Communication and Signal Processing	July 2020
28	International Journal	GPGPU based Multi-hive ABC Algorithm for Constrained Global Optimization Problems	Sandeep U Mane, Amol C Adamuthe, Aprupa S Pawar	EAI Endorsed Transactions on Energy Web	September 2020
29	International Journal	Video Interpretation for Cost-Effective Remote Proctoring to Prevent Cheating	Kiran P Kamble, Vijay R Ghorpade	Proceeding of First Doctoral Symposium on Natural Computing Research	October 2020

#### Information Technology Department

SN	Type of Publication	Title of Paper	Names of Authors	Journal / Conference Details	Date of Publication
1	International	Paralelization of Deep	Umesh Chavan and	International Conference on	May 2020

	Conference	Convolutional Neural Network	Dinesh Kulkarni	Machine Intelligence & Smart Computing (ICMISC-2020)	
2	International Journal	ModQUIC Protocol Performance Verification with CUBIC and BBR Congestion Control Mechanism, International Journal of Internet Protocol Technology	Dr. Prashant Kharat	International Journal of Internet Protocol Technology by Inderscience (SCI)	July 2020
3	International Journal	Modified QUIC Protocol with Congestion Control for Improved Network Performance	Dr. Prashant Kharat	IET Communications (SCI)	February 2021
4	International Conference	Crop Nutrition Medicines Selection for Papaya using Analytical Hierarchy Process	Dr. Prashant Kharat	International conference on Signal Processing and Communications (SPCOM2020)	July 2020
5	International Conference	Drowsiness Detection System Using Opencv and Raspberry Pi: An IoT Application	Abhijeet Urunkar	Artificial Intelligence and Sustainable Engineering (AISE-2020)	January 2021
6	International Conference	Machine learning Techniques and Algorithms: A Survey	B. S. Shetty	1st international conference on advances in information, computing and trends in data Engineering (ICAICDE-2020)	December 2020
7	International Journal	ACO-IBR: A Modified Intersection-Based Routing Approach for the Vehicular Ad-Hoc Network	Dr. S.P. Sonavane	IET Networks	November 2020
8	International Journal	Co-occurrence patterns-based fruit quality detection for hierarchical fruit image annotation	Dr. S.P. Sonavane	Journal of King Saud University - Computer and Information Sciences	November 2020
9	International Journal	Stacked GRU based Image Captioning	Dr. S.P. Sonavane	Solid State Technology	October 2020
10	International Journal	A novel gradient foster shared-representation convolutional network optimization for multi-modalities	Dr. S.P. Sonavane	Multimedia Tools and Applications	April 2021
11	International Journal	Analysis of Connectivity Duration in sVehicular Network	Dr. S.P. Sonavane	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	March 2021
12	International Journal	Experimenting with Reordering Model of Phrase-Based Machine Translation System for English to Hindi	Dr. S.P. Sonavane	Next Generation Information Processing System	April 2021
13	International Journal	Performance of routing protocols using mobility models in vanet	Dr. S.P. Sonavane	Next Generation Information Processing System	April 2021
14	International Journal	Investigation of Imbalanced Big Data Set Classification: Clustering Minority Samples Over Sampling Technique	Dr. S.P. Sonavane	Next Generation Information Processing System	March 2021
15	International Journal	Experimenting with factored language model and generalized back-off for Hindi	Dr. S.P. Sonavane	International Journal of Information Technology	August 2020
16	International Journal	Particle swarm optimization-based routing method for vehicular ad-hoc network	Dr. S.P. Sonavane	2020 international conference on communication and signal processing (ICCSPP)	July 2020

17	International Journal	Language Identification for Multilingual Machine Translation	Dr. S.P. Sonavane	2020 International Conference on Communication and Signal Processing (ICCSPP)	July 2020
18	International Journal	Crop Nutrition Medicines Selection for Papaya using Analytical Hierarchy Process	Dr. A. J. Umbarkar Dr. R. R. Rathod	Solid State Technology	December 2020

### Google Scholar Citation Details

Name of Faculty	Designation	Google Scholar							
		2016 Onwards			All			No. of Publications	
		Citations (since 2016)	h-Index	i-10 Index	Citations	h-index	i-10 index	Cited	Reported
<b>Mechanical Engineering</b>									
R. M. Chanmanwar	Assistant Professor	36	2	1	42	2	1	6	20
Dr. S. U. Sapkal	Associate Professor	217	8	8	273	9	9	23	19
B. S. Gawali	Professor	94	5	4	140	8	5	22	16
M. M. Khot	Professor	12	1	1	12	1	1	1	1
B. N. Naik	Assistant Professor	1	1	0	3	1	0	3	1
U. A. Dabade	Professor	654	14	16	1053	14	16	40	42
K. H. Inamdar	Professor	194	8	7	274	10	10	57	138
P. A. Mane	Assistant Professor	51	4	3	74	4	4	10	14
A B. Admuthe	Assistant Professor	0	0	0	1	1	0	1	2
<b>Electrical Engineering</b>									
Prof. Dr. A. P. Vaidya	Professor	80	5	4	100	6	4	14	24
Dr. D. S. More	Associate Professor	226	8	5	299	8	7	20	35
Dr. M. M. Waware	Associate Professor	70	5	1	88	6	2	-	-
Mr. A.B. Patil	Associate Professor	524	8	7	604	11	13	9	11
Mrs. S.L Shaikh	Assistant Professor	12	1	1	12	1	1	2	6
Dr. R. P. Hasabe	Assistant Professor	44	3	2	68	5	3	8	15
Mrs. S. P. Diwan	Assistant Professor	38	3	1	54	3	1	8	15
Mr. S. S. Karvekar	Assistant Professor	30	4	0	39	4	0	13	13
Mr. V.P. Mohale	Assistant Professor	7	2	0	13	3	0	4	5
Dr. D. R. Patil	Professor	168	6	1	223	7	5	54	82
M. M. Tamhankar	Assistant Professor	1	1	0	1	1	0	-	-

Mrs. A. S. Karvekar	Assistant Professor	22	3	0	22	3	0	3	3
<b>Electronics Engineering</b>									
Dr. Mrs. S. S. Deshpande	Professor	82	6	2	95	6	2	16	23
Dr. B. G. Patil	Associate Professor	9	2	0	21	3	0	6	13
Dr. V. B. Dharmadhikari	Associate Professor	63	3	2	100	5	3	7	14
Dr. Mrs. A. A. Agashe	Associate Professor	38	4	1	70	5	3	8	15
Dr. S. D. Ruikar	Associate Professor	244	9	7	468	10	10	44	71
Dr. S. G. Tamhankar	Associate Professor	35	4	1	67	5	2	12	24
Dr. Mrs. M. M. Patil	Professor	57	5	1	109	6	4	15	28
Mr. S. R. Khedkar	Assistant Professor	3	1	0	3	1	0	1	8
<b>CSE Department</b>									
Dr. B. F. Momin	Associate Professor	227	9	8	303	10	12	34	63
Mr. A. R. Surve	Assistant Professor	95	6	1	107	6	1	19	52
Dr. M. A. Shah	Assistant Professor	46	5	2	58	5	2	9	22
Dr. N. L. Gavankar	Assistant Professor	65	2	2	65	2	2	3	6
Mr. M. K. Chavan	Assistant Professor	50	3	1	54	3	1	9	11
Mrs. H. V. Gandhi	Assistant Professor	8	1	0	8	1	0	3	9
Mr. V. N. Honmane	Assistant Professor	18	2	0	18	2	0	4	9
Ms. N. L. Mudegol	Assistant Professor	-	-	-	-	-	-	-	1
Mr. K. P. Kamble	Assistant Professor	13	2	0	13	2	0	5	8
Mr. S. S. Sontakke	Assistant Professor	1	1	0	1	1	0	1	2
Ms. P. D. Mundada	Assistant Professor	2	1	0	2	1	0	1	1
Ms. A. S. Pawar	Assistant Professor	12	2	0	14	2	0	4	4
Mr. S. D. Pujari	Assistant Professor	1	1	0	1	1	0	1	3
Mrs. A. M. Chimanna	Assistant Professor	2	1	0	2	1	0	1	2
<b>IT Department</b>									
Dr. Dinesh Balkrushna Kulkarni	Professor	50	4	1	82	5	2	18	27
Dr. Shefali Pratap Sonavane	Associate Professor	120	6	4	135	7	5	27	61
Dr. Anantkumar Janardan	Assistant Professor	380	8	8	418	9	9	27	38

Umbarkar									
Dr. Ravindra Ramkishan Rathod	Assistant Professor	43	2	1	44	2	1	4	6
Umesh Balkrushna Chavan	Assistant Professor	30	3	1	36	3	1	6	13
Bharati S. Shetty	Assistant Professor	11	2	0	21	2	2	3	17
Dr. Prashant Krishnarao Kharat	Assistant Professor	54	5	0	67	6	1	13	17
Manish Balaji Narnaware	Assistant Professor	46	2	1	58	2	1	8	12
Mayur G. Rathi	Assistant Professor	2	1	0	2	1	0	2	4
Abhijeet A. Urunkar	Assistant Professor	-	-	-	-	-	-	-	1

### Ph.D. Details of Regular Degree Faculty

Civil Engineering						
SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed on
1	Dr. A.K. Mali	Asst. Prof. Civil	Dr. Prakash Nanthagopalan,	12 July 2013 IIT, Mumbai	Utilization of sugar cave bagasse ash in concrete	Completed
2	Dr.A.K.Kokane	Asst. Prof. Civil	Dr.V.A.Sawant IIT Roorkee, Dr. J.P. Sahoo, IIT Kanpur.	6 <sup>th</sup> July 2018	Analysis of Soil Nailed Slopes Under Seismic Conditions.	Completed
3	P.G. Sonawane	Prof. Civil	Dr. S.V. Ranade	7 Jan 2003	Mechanism & Kinetics of Nitrogen & Phosphorus Removal in Root Zone Treatment of Domestic Waste	Completed 4 July 2008
4	S.N. Tande	Prof. Civil – APM	Dr. K.T. Krishnaswamy	July 2000 SU, Kolhapur	Elastic and Limit analysis of Reinforced Concrete Skew slabs	19 September 2005
5	V.D. Salkar	Asso. Prof. Civil	Dr. A.R. Tembhurkar, Visvesvaraya	01 July 2009 VNIT, Nagpur	Design and development of efficiency up-flow sand filter for water treatment	27 September 2015
6	G.R. Munawali	Asso. Prof. Civil	Dr. M.S. Mohan Kumar, Civil Engg.	1st August 1999 QIP IISc, Bangalore	Simulation and Parameter Estimation of Water Quality in Distribution System	22 March 2003
7	K.S. Gumaste	Asso. Prof. Civil	Dr. K.S. Jagdish, Dr. B.V.V. Reddy, K.S.Nanjund Rao,	1 Aug 2000 IISc, Bangalore QIP	Strength and Elasticity of Brick Masonry Walls	8 January 2005



			Civil Engg.			
8	C.B. Pol	Asst. Prof. Civil - APM	Dr. Saurik Banerjee	15 Oct 2010 IIT, Bombay	Modeling of divided wave propagation and its interaction with defects in composites and sandwich structures	submitted July 2015
9	S.B. Kadam	Asst. Prof. Civil - APM	Dr. Y. Singh	2010-11 IIT, Roorkee	Performance Evaluation and Retrofit of Masonry Buildings	4 August 2015

### Mechanical Engineering

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed on
1	S. U. Sapkal	Mechanical	Dr. Deepak Laha, Mechanical Engineering Department,	August 2009 Jadavpur University, Kolkata	Improved Heuristics for Manufacturing Scheduling	Completed on August 2013
2	U. A. Dabade	Prof. Mech.	Dr. S. S. Joshi	July 2004 IIT, Bombay	Machining of metal matrix composites	May 2008
3	K. H. Inamdar	Asso. Prof. Mech.	Dr. S. G. Joshi	Sept. 2003 Shivaji Uni., Kolhapur	Some studies on analysis of surface quality of flat metal surfaces using image processing techniques	December 2006 Result June 2007
4	M. M. Khot	Asst. Prof. Mech.	Dr. B. S. Gawali (Mech - HPE)	1 January 2008 SUK	Design and development of a flexure bearing for miniature linear compressor	submitted 24 July 2014 Viva & result 7 May 2015
5	S. V. Gaikwad	Asst. Prof. Mech.	Dr. R.S. Mulik ,	9 July 2014 IIT Roorkee	Performance study of pretalling tool for deep annular grooving	16th December 2019

### Electrical Engineering

SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed on
1	Dr. A.P Vaidya	Prof. Electrical	Dr. M.N. Narayanachar	30 July 1998	A Model Study for the Application of Wavelet & Neural Network for Identification & Localization of Partial Discharges in Transformers	Completed 17 December 2005
2	Dr. D. S. More	Assoc. Prof. Electrical	Dr. B. G. Fernandes	22 July 2005	Design and Analysis of Three-Phase Flux Reversal Machine for Rooftop Wind Power Application.	Completed 04 August 2012
3	Dr. M. M. Waware	Assoc. Prof. Electrical	Prof. Pramod Agarwal Electrical	02 Aug 2008	Multilevel Inverter Based Active Filter	Completed 12 April 2012
4	Dr. R.P. Hasabe	Assit. Prof. Electrical	Prof. Dr. A. P. Vaidya Electrical	1 July 2010	Development of a Method to Mitigate the Effects of Statcom on the Distance Protection Scheme using Wavelet Transform and Neural Network	Completed 26 May 2017

Electronics Engineering						
SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed on
1	Dr. Mrs. S. S. Deshpande	Electronics Engineering	Prof. Sachin S. Patwardhan	2008/ IIT, Bombay	Computationally Efficient NMPC for Fast dynamic Systems	15 September 2010
2	Dr. B. G. Patil	Electronics Engineering	Dr. Mrs. S. Subbaraman	2006/Shivaji University, Kolhapur	Human feature vector and classifier through iris pattern recognition	4 July 2015
3	Dr. V. B. Dharmadhikari	Electronics Engineering	Dr. P. J. Kulkarni, Electronics	2006/Shivaji University, Kolhapur	Quality of Service Issues, Formulation and Performance Evaluation of Traffic Smoothing Tech- niques for MPEG Video Transmission in Packet Switched Networks	21 July 2015
4	Dr. Mrs. A. A. Agashe	Electronics Engineering	Dr. S.K. Bodhe, Electronics Engg	2003/ Shivaji University Kolhapur	Mobility Management in adhoc networks: A Special Reference to Handoff Mechanism	November 2009
5	Dr. S. D. Ruikar	Electronics Engineering	Dr. D. D. Doye, Electronics Engineering	Nov 2006/ SRTMU Nanded	Image Denoising using Wavelet Transform	22 March 2013
6	Dr. S. G. Tamhankar	Electronics Engineering	Dr. F. S. Kazi Electronics	Aug. 2012	Some Investigations in Communication and Gateway issues of Cyber Physical Systems	April 2021

CSE Department						
SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis	Status: Ongoing/ Completed on
1	Dr. B. F. Momin	Associate Professor, CSE	Dr. Sushmita Mitra, CSE	Jadavpur University Kolkata	Some issues in Data Mining using Soft Computing.	Completed February 2008
2	Mr. A. R. Surve	Asst. Professor, CSE	Dr. V. R. Ghorpade, CSE	Shivaji University, Kolhapur	SOA based context aware smart Pervasive Computing.	Ongoing
3	Dr. Mrs. M. A. Shah	Asst. Professor CSE	Dr. D. B. Kulkarni, CSE	Shivaji University, Kolhapur	Design and Performance Evaluation of Parallel Scalable Event Processing System	Completed 19 June 2019
4	Dr. N. L. Gavankar	Asst. Professor CSE	Dr. S. K. Ghosh, Geomatics Engineering	09 July 2014, Indian Institute of Technology Roorkee	A study on building extraction techniques using high resolution satellite data.	Completed 16 August 2018

### Regular Degree Faculty Ongoing Ph.D. details

Civil Engineering					
SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis
1	Mr.C.H.Wagh	Asso. Prof. Civil	Dr. Anil Chitade	24 April 2017; Gondawana University	Improving the Intial Filtrate Quality of Rapid Sand Filter by Optimising Coagulant Dose During Backwashing & Ripening Operation

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Mechanical Engineering					
SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis
1	B.N. Naik	Asst. Prof. Mech	Dr.Mrs. Sangita Kohali	24 July 2014 IIT, Delhi	Biomass cookseave study (Area of Study)
2	A.P. Patil	Asst. Prof. Mech.	Prof. S. P. Harsha Mechanical and Industrial Engineering	10 September 2018 IIT Roorkee	Diagnosis of rolling element bearing using vibration and acoustic emission signals

Electrical Engineering					
SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis
1	Mrs. S. P. Diwan	Asst Prof Electrical	Dr.S.H. Jangamshetti	01 March 2016, VTU, Belgavi	Novel wavelet-based algorithm for Distribution Static Compensation
2	Mr. S. S. Karvekar	Asst Prof Electrical	Dr. P. M. Joshi	1 July 2017 Shivaji University, Kolhapur	Implementation and Performance Analysis of Electrified Transportation System using Enhanced Phase Locked Loop
3	Mr. V.P. Mohale	Asst Prof Electrical	Dr Thanga Raj Chelliah	16 August 2020 IIT, Roorkee	Analysis of Sub synchronous Oscillation in Hydro Power System

CSE Engineering					
SN	Name of Student	Department	Name of Guide, Branch	Date of Registration/Uni	Title of the Thesis
1	Mr. A. R. Surve	Asst. Professor, CSE	Dr. V. R Ghorpade, CSE	Shivaji University, Kolhapur	SOA based context aware smart Pervasive Computing.

#### Books Published by Faculties:

Nil

#### Ph.D. Student Details registered under WCE faculty (other than QIP-Ph.D. and NDF students):

Civil Engineering					
SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: Ongoing/ Completed on
1	V. T. Gaikwad	Dr. G.R. Munavalli	01 July 2011	Study on water softening by natural materials	Ongoing
2	Shri. Ravindra S. Desai	Dr.S.N.Tande	22 March 2010	Improvement In Structural Performance in Buildings By Optimization Of Energy Management Devices	Completed
3	Shir. Vishwas S. Patil	Dr.S.N.Tande	22 March 2010	Probabilistic Based Seismic Performance Evaluation of Existing Reinforced Concrete	Completed

				Buildings And Retrofitting Strategy	
4	Nikhil Bembade	Dr.S.N.Tande		Linear and Nonlinear Performance of concrete filled double steel tubular columns	On-going
5	Mr. Rohit D. Mangalekar	Dr.K.S.Gumaste	08 February 2018	Studies on Hydraulic Reliability and Cost Optimization in Design of Water Supply Systems for High Rise Residential Buildings.	On-going

Mechanical Engineering					
SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: Ongoing/ Completed on
1.	Amar Shrikant Bhandare	Dr. U. A. Dabade	1 July 2012	Effect of Dry EDM on surface integrity of Inconel-718	Ongoing
2.	Vinod Vasant Rao Vanmore	Dr. U. A. Dabade	1 July 2012	Development and performance analysis of micro abrasive jet machining processes	Ongoing
3.	Rahul Chandrakant Bhedasgaokar	Dr. U. A. Dabade	2018-19	Experimental investigation of performance of hybrid nano green cutting fluid in machining of difficult to cut material	Ongoing
4.	Abhijit Rajaram Shinge	Dr. U. A. Dabade	1 July 2013	Experimental investigation and validation of process parameters in Micro Milling of Aluminium Alloy Micro Channels	Ongoing
5.	Laxmi A. Bewoor	Dr. S. U. Sapkal	October 2014	An Improved Hybrid Particle Swarm Optimization Algorithm to Minimize Total Flow Time and Makespan for No-wait Flow Shop Scheduling Problem	Completed on December 2019
6.	Anand S. Shivade	Dr. S. U. Sapkal	November 2017	Application of Industrial Engineering Tools to Gear Box Manufacturing Industry for Productivity Improvement	Ongoing
7.	Supriya K. Darekar	Dr. S. U. Sapkal	November 2017	Investigation of Part Characteristics using Additive Manufacturing Process for Comparative Study	Ongoing
8.	Mahesh S. Shinge	Dr. S. U. Sapkal	January 2019	Effective Metaheuristics for Job Shop Scheduling Problem	Ongoing
9.	Nitin S. Chityal	Dr. S. U. Sapkal	August 2019	Investigation of Bushing Geometry and Thrust Force in Friction Drilling by Experimental and Optimization Approaches	Ongoing
10.	Rutuja K. Shivdas	Dr. S. U. Sapkal	August 2019	Performance Analysis of Reconfigurable Manufacturing System (RMS) for System Design and Operation	Ongoing
11.	Sudhir Pandurang Nangare	Prof. Dr. Bajirao S. Gawali	2017	Design, Development and Testing of Multi Pulse Tube Cryocooler with Oil Free Compressor	Ongoing
12.	Prateek Deoman Malwe	Prof. Dr. Bajirao S. Gawali	2018	Energetic and Exergetic Assessment of a Cold Chain System for an Agricultural Product – Raisins	Ongoing
13.	Mahmadrafik Sajjadahmad Choudhari	Prof. Dr. Bajirao S. Gawali	2018	Heat Transfer and Fluid Flow Analysis of Oscillating Flow Heat Exchanger – Pulse Tube Refrigerator	Ongoing

14.	Nandkishor Sheshrao Deshmukh	Prof. Dr. Bajirao S. Gawali	2019	Numerical and Experimental Investigation of Liquid Desiccant Cooling System	Ongoing
15.	Rustum Sikandar Dhalait	Prof. Dr. Bajirao S. Gawali	2019	Theoretical and Experimental Analysis of Low Temperature Power Cycle for Waste Heat Recovery	Ongoing
16.	Jitendra Govind Shinde	Dr. M. M. Khot	19 January 2019	Design, Development and experimental investigation of miniature moving magnet pulse tube cryocooler.	Ongoing
17.	Vijayshingh balaso suryawanshi	Dr. M. M. Khot	19 January 2019	Design, Development and experimental investigation of miniature moving coil pulse tube cryocooler	Ongoing

#### Electrical Engineering

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: Ongoing/ Completed on
1	Mr. Thombre R. D.	Dr. D. S. More	6 August 2015	Design and development of reliable switching power converters by real time switch open-circuit and short-circuit fault diagnosis and fault tolerant control.	Ongoing
2	Mr. Jagtap S. R	Dr. D. S. More	14 July 2017	Design and development of reliable switching power converters by real time switch open-circuit and short-circuit fault diagnosis and fault tolerant control	Ongoing
3	Mr. Mopari S. S	Dr. D. S. More	8 June 2018	Analysis of impact of surges and harmonics on the insulation of converter transformer	Ongoing
4	Mr. Shedbalkar K. S	Dr. D. S. More	8 June 2018	Development and Analysis of day ahead power forecasting technique for solar photovoltaic system	Ongoing
5	Mrs. Jadhav P. R	Dr. D. S. More	8 June 2018	Optimization Technique based Load Scheduling in Customer Driven Microgrid”	Ongoing
6	Mrs. Chavan D. R	Dr. D. S. More	1 August 2019	Low frequency electrical energy disaggregation in NILM using machine learning approach	Ongoing

#### Electronics Engineering

SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: Ongoing/ Completed on
1	Miss Tejaswi Mahaling Jadhav	Dr.(Mrs.) Shraddha Sunil Deshpande	1 January 2014	Circular Polarization Planer Inverted-F Antenna using Reactive Impedance Surface	Ongoing
2	Mrs. Supriya Prashant Diwan	Dr.(Mrs.) Shraddha Sunil Deshpande	1 August 2016	Development of NMPC algorithm on FPGA using PSO for nonlinear fast dynamic systems	Ongoing
3	Mrs.Vilabha Sachin Patil	Dr.(Mrs.) Shraddha Sunil Deshpande	18 July 2016	Design of Control Mechanism for Power Saving with Configurable Architecture	Ongoing

4	Mr. Chanchal M. Patil	Dr. S. D. Ruikar	23 December 2017	Develop an algorithm with feature extraction using 3D DWT and CNN with depth information and contour map.	Ongoing
5	Ms. Mrunmayee V. Daithankar	Dr. S. D. Ruikar	1 July 2018	Development of Video Super Resolution Algorithm in Wavelet Domain using Neural Network	Ongoing
6	Mr. Shrenik Suresh Sarade	Dr. S. D. Ruikar	15 July 2019	Development of Wide Band Massive Multi-Band MIMO Antenna for Millimeter Wave	Ongoing
7	Mr. Mirajoddin U. Inamdar	Dr. S. D. Ruikar	15 July 2019	Design and development of an Intelligent Algorithm for Trust Management in M2M Communication towards IOT	Ongoing
8	Ms. Sheetal Umakant Pawar	Dr. B.G.Patil	30 July 2019	Development of an Intelligent Framework for Pulmonary Nodule Detection and Classification	Ongoing

CSE Department					
SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: Ongoing/ Completed on
1	Parag P. Abhyankar	Dr. B. F. Momin	27 February 2012	Characterization Of Non-Vigilance of Individual or Mass Audience in Monotonous Environment	Ongoing
2	T I Bagban	Dr. P. J. Kulkarni	18 January 2018	Design and Analysis of a System for Template based clustering of web Pages	Submitted in June 2019
3	Prashant M. Yelmar	Dr. B. F. Momin	25 February 2013	Development of Computational Framework for Social Network Analysis and Mining	Ongoing
4	Deepali Akolkar	Dr. D. B. Kulkarni	1 July 2013	Data Analytics of very large Unstructured data on parallel platforms	Ongoing
5	Umesh B Chavan	Dr. D. B. Kulkarni	1 July 2013	Performance issues in parallel scalable facial expression recognition system	RAC (Thesis submission to SUK is in progress)
6	Smt C A Laukar	Dr. P. J. Kulkarni	13 November 2014	Efficient Classification of Scene Images using Semantic Approach	Ongoing
7	Suhel Sayyad	Dr. D. B. Kulkarni	1 January 2014	Design and development of parallel secure neural network learning in the cloud	Ongoing
8	A S Patil	Dr. S. P. Sonavane	16 August 2015	Design and Development of Efficient Routing Algorithm in Delay Tolerant Networks	Submitted in June 2019
9	Arun R. Babhulgaonkar	Dr. S. P. Sonavane	18 July 2016	Optimizing Statistical Machine Translation Using Linguistic Feature Learning	Completed 25/01/2022
10	Mrs. Arifa Javid Shikalgar	Dr. S. P. Sonavane	18 July 2016	Design and Development of Hybrid Deep Learning Computational Model for Dimensionality	Ongoing
11	Bhushan Sukumar Yelure	Dr. S. P. Sonavane	15 July 2017	Development of an Adaptive Intersection-based Routing protocol for Vehicular Ad-hoc Network	Ongoing
12	Sangita Balkrishna Nemade	Dr. S. P. Sonavane	15 July 2017	Semantic Image Annotation Using Deep Learning	Ongoing

13	Siddheshwar Vilas Patil	Dr. D. B. Kulkarni	16 July 2018	Development of parallel algorithms for solving graph-theoretic problems	Ongoing
14	Priyanka Devendra Lanjewar	Dr. B. F. Momin	3 August 2018	Design and Development of Soft Set Based Algorithms for Machine Learning	Ongoing
15	Vijayshri Injamuri	Dr. B. F. Momin	Yet to register QIP/SUK	-----	-----

IT Department					
SN	Name of Student	Name of Guide	Date of Registration	Title of the Thesis	Status: Ongoing/ Completed on
1	Arun Ramrao Babhulgaonkar	Dr. S. P. Sonavane	18 July 2016	Optimizing Statistical Machine Translation Using Linguistic Feature Learning.	Yes
2	Mrs. Arifa Javid Shikalgar	Dr. S. P. Sonavane	18 July 2016	Design and Development of Deep learning Computational Model for Dimensionality Reduction of Heterogeneous Data.	Ongoing
3	Bhushan Sukumar Yelure	Dr. S. P. Sonavane	15 July 2017	Development of an Adaptive Intersection-based Routing Protocol for Vehicular Ad-Hoc Network	Ongoing
4	Sangita Balkrishna Nemade	Dr. S. P. Sonavane	15 July 2017	Semantic Image Annotation using Deep Learning	Ongoing

## 2.2 IPR and Patents: Granted, Filed and Licensed:

### Patents Filed

SN	Title of Patent	Name of Faculty	Patent No.	Date of Filing
1.	Ultra High Strength Nano-concrete Voided Slab using Hexagonal Shear Reinforcement	Dr. C. B. Pol	202121014298 / Temp/E-1/15260/2021-MUM	2021
2.	Ultra High Strength Prestressed Nano-concrete Sleeper	Dr. C. B. Pol	202121014299/Temp/E-1/15311/2021-MUM	2021
3.	High Performance Prestressed Nano Concrete Girder	Dr. C. B. Pol	202121027851/ Temp/E-1/15326/2021-MUM,	2021
4.	High Performance Post Tensioned Nano Concrete Slab	Dr. C. B. Pol	202121027852/ Temp/E-1/15345/2021-MUM,	2021
5.	Wireless real time temperature monitoring system for molten metal in green sand molding	S. D. Jagatap, R. M. Chanmanwar and others	Ref. No./Application No.: 202021050021 A	January 2021
6.	Transformer Drying chamber	Prof. V. P Mohale, Prof. S.S Karvekar, Dr. R. P. Hasabe, Prof. A.B Patil	345392-001	28 June 2021
7.	A method to estimate insulation resistance from residual moisture in a low power transformer.	Prof. V. P Mohale, Prof. S.S Karvekar, Dr. R. P. Hasabe, Prof. A.B Patil	E-12/979/2021/MVM	24 June 2021
8.	Handy Device and Process for Non-Destructive identification of Devgad Alphonso mango and its Ripening Percentage	Sangita Nemade (PhD student)	202121012895 A	2021

9.	Non-Destructive Method for Generating Description of mango and Device there of	Sangita Nemade, (PhD student)	2021103379	June 2021
10.	System and Method for Facilitating Verification of Academic Certificates using Blockchain	Dr. S. P. Sonavane	Ref. No./Application No.: 202021035355	2020
11.	Handy Device and Process for Non-destructive Identification Of Devgad Alphonso Mango And Its Ripening Percentage	Dr. S. P. Sonavane	Ref. No./Application No.: 202121012895	2021
12.	Water Supply System for Multistory Buildings	Dr. R. R. Rathod	Ref. No./Application No.:202121002937	2021
13.	An IoT based System for Security and Door Access Control	Dr. P. K. Kharat	Ref. No./Application No.: 2021100346	2021
14.	A Method for Vehicle Monitoring System using RFID based Data Acquisition System	Dr. S. D. Ruikar	201821021439	8 June 2018
15.	Contactless Sanitation System	Dr. Anil Anant Agashe Dr. P. H. Sawant	202021026169	22 June 2020
16.	Technique for generating a mother wavelet from the Speech signal for evaluation of wavelet transform to capture time variations in speech signal Indian Patent	Dr. Mrs. S. D. Apte	123/MUM/ 2002/3402	25 August 2006

### Patents Granted

SN	Title of Patent	Name of Faculty	Patent No.	Date of Award
1.	A Method of Working of Vibration Isolation System Using Phononic Material in a Structure	Dr. S. B. Kadam, Dr. S. N. Tande and Dr. Prachi Sohoni	F. No. RW/NH-34050/02/2017-S&R (B)	2021
2.	Portable water treatment system	Dr. G. R. Munavalli	334984-001 06/11/2020	2020
3.	A Method of Working of Vibration Isolation System using Phononic Material in a Structure	Mr. Pradip Borde, Dr. S. B. Kadam, Dr. S. N. Tande, Mr. S. D. Jagtap, Mr. V. P. Mohale	384114	8 January 2021
4.	Pass Transistor Adiabatic Logic Circuit Standby Mode (PsAL2NSM)	Dr. Mrs. S. Subbaraman	2315/MUM/2011	17 December 2020

### Foreign Visits of Faculty: Nil

### Faculty successfully completing courses from foreign universities:

Mechanical Engineering				
Sr. No.	Name of the Faculty	Title of the Course	Date of Completion	Name of University
1	Mr. A. B. Admuthe	Students Psychology	11 November 2020	NITTR Chennai

Electrical Engineering				
Sr. No.	Name of the Faculty	Title of the Course	Date of Completion	Name of University
1	Dr. D. S. More	Entrepreneurship and IP	Sep - Dec 2020	IIT Kharagpur
2	Dr. D. S. More	NPTEL course on Smart Grid	Sep - Dec 2020	IIT Roorke
3	Dr. D. S. More	Fuzzy logic & Neural networks	Feb-Apr 2021	IIT Kharagpur



4	Mr. N. V. Patel	Integrated Circuits, MOSFETs, Op-Amps & their applications	Jan-Apr 2021	IISC Bangalore
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Electronics Engineering				
Sr. No.	Name of the Faculty	Title of the Course	Date of Completion	Name of University
1	Dr. Manasi M. Patil	Professional Ethics & Sustainability	27 February 2021	SWAYAM
2	Dr. Manasi M. Patil	Introduction to IoT	April 2021	NPTEL

CSE Engineering				
Sr. No.	Name of the Faculty	Title of the Course	Date of Completion	Name of University
1	Ms. N. L. Mudogol	NPTEL course- Python for Data Science	Sept- Oct 2020	--
2	Mr. S. D. Pujari	Introduction to ML	21-12-2020	--
3	Mrs. A. M. Chimmana	NPTEL course - The Joy of Computing Using Python	Jan-Apr 2021	--
4	Mr. S. D. Pujari	NPTEL course- Python for Data Science	July- Aug 2021	--

IT Department				
Sr. No.	Name of the Faculty	Title of the Course	Date of Completion	Name of University
1	Dr. A. J. Umbarkar	Patent information Course	2 weeks comprehensive online	TurnIP innovations pvt ltd.
2	Dr. A. J. Umbarkar	AICTE -STTP on IT for Sustainability	15 June 20 to 26 June 20 (Two week)	Thakur Institute of Management Studies, Career Development & Research, Mumbai
3	Dr. A. J. Umbarkar	Internet of Things (IoT) & It's Applications in Industry	8 to 12 June 2020 (One week)	RAIT, Nerul Navi Mumbai
4	Dr. A. J. Umbarkar	Engineering Education and the Industry: A Post COVID-19 Perspective	01 June 20 to 05 June 20 (One week)	MCT's Rajiv Gandhi Institute of Technology, Mumbai
5	Dr. A. J. Umbarkar	SaaS: Software as service	5-7 June 2020	CSE Dept of ADCET, Ashta
6	A. M. Khot	One-week online STTP on Blockchain Technologies and Use cases	30 November to 5 December 2020	Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
7	Bharati S Shetty	ICT-Level-3 Workshop on E-Content Development	Saturday, 08 August 2020	Theem College of Engineering, Boisar, Maharashtra
8	Ms. Aditi Dilip Shinde	One week Industry – Oriented Online STTP on Current Trends and Tools for Web Development	21 to 25 July 2020	Department of Computer Science and Engineering, Sri Venkateswara College of Engineering
9	Dr. A. J. Umbarkar	Google Go Programming	23 to 27 June 2020	Dept. of CSE KITCOE kolhapur
10	Dr. Ravindra Rathod	one-week online Faculty Development	11-15 May 2020	Government College of Engineering, Karad

		Program on Outcome Based Education: A Step Towards Excellence		
11	Dr. Ravindra R. Rathod	five days' workshop on ERDAS IMAGINE-2020 Remote Sensing and Image Processing Software	24 -28 August, 2020	Computer Science and Engineering Department, Walchand College of Engineering (WCE), Sangli
12	Dr. Ravindra R. Rathod	Short-term course on Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives	30 November 2020 to 4 December 2020	Department of Computer Science and Engineering, Indian Institute of Technology Roorkee.
13	Tahseen A. Mulla	Online FDP on Machine Learning and Pattern Recognition	18 to 22 January, 2021	MET's Institute of Engineering Scored 22/30
14	Tahseen A. Mulla	Online FDP on AI- Machine Learning & Optimization	1 to 5 February, 2021	Indian Institute of Information Technology Allahabad Scored 32/50
15	Mayur Govind Rathi	Online FDP on "Block chain	4 to 8 January, 2021	IPS Academy, Institute of Engineering & Science, Indore
16	Dr. P. K. Kharat	IoT Technology Solution	14 to 18 December 2020	WCE, Sangli
17	Umesh Balkrishna Chavan	Short Term Training Program on GPU COMPUTING	26 to 31 October 2020	Vishwakarma Institute Of Technology, Pune
18	Umesh Balkrishna Chavan	Recent Trends and Application of Machine Learning and Deep Learning	25 to 29 May 2020	Dept. of IT RAIT Navi Mumbai

### 2.3 Footprint of Projects and Professional Practices (Testing and Consultancy):

#### Research Grants Received

Grants Received (Rs. In Lacs)						
Agency/Year	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
AICTE	-	26.80	-	19.8		
DST	18.00	25.65	9.83	-	8.23	
MPCB	7.75	8.51	5.01	8.34	5.0	6.81
CDTP	8.00	8.00	-	12.0		60.0
TEQIP-II, III	200.00	250.00	46.55	222.04	371.31	--
John Deere	-	-	22.99	-	-	
<b>Total</b>	<b>248.75</b>	<b>318.96</b>	<b>84.38</b>	<b>262.11</b>	<b>384.55</b>	<b>66.81</b>

**Details of Testing and Consultancy:**

Department	2017-18	2018-19	2019-20	2020-21	2021-22
Civil	2333290	7163865	9055888	10113545	10067318
Mechanical	75930	812527	858340	312575	1760691
Electrical Engineering	3000	195497	133020	1307774	213363
Computer Sci. & Engineering.	6780	33710	823088	93974	152672
Information Technology	--	5706	46656	49181	1990
Public Health	978171	113317	35939	25476	10000
Electronics				9995	10000
<b>Total</b>	<b>3397171</b>	<b>8324622</b>	<b>10952931</b>	<b>11912520</b>	<b>12216034</b>

**Details of Testing:**

Department	2017-18	2018-19	2019-20	2020-21	2021-22
Civil	483169	2416298	3554701	3493922	1150805
Mechanical	53000	76924	94064	18000	5000
Electrical Engineering	--	168784	235080	72500	43000
Computer Sci. & Engineering.	--	--	--	--	--
Information Technology	--	--	1695	--	--
Public Health	18744	359611	673467	116490	104544
Electronics	--	15255	19365	13000	4000
<b>Total</b>	<b>554913</b>	<b>3036872</b>	<b>4578372</b>	<b>3713912</b>	<b>1307349</b>

**Research Projects Completed by the faculty in the last five years**

Year wise	Name of the project	Funding agency/Industry	Grant Received Rs. Lakhs
<b>A. College Funded Minor Projects</b>			
2018-19	Development of Certified Training Centre of Siemens Automation and Drives Lab Consisting of i) S7 1200 PLC information Technology HMI System- 6 No's ii) SINAMICS, 6RA80 Information Technology information Technology DC Motor- 01 No's SINAMICS G120 Information Technology Information Technology AC Motors- 04 No's	TEQIP- III	33
2020-21	1. Embedded System Design of "Low-cost Ventilator Design". 2. Design of Control system hardware, PCB, fabrication, Embedded Software and on-site testing of Misting Tunnel 3. Design of automatic soap + water dispenser hardware, fabrication, enclosure design and fabrication, testing and completions of 25 prototypes for installation in our college.	Seed fund under TEQIP-III	2 Lac
2019-20	Real Time Smart Alert Generation System for not wearing mask in high-risk public areas	WCE	01.60
2013-2016	Research Promotion Scheme (RPS)	AICTE, India	8

Year wise	Name of the project	Funding agency/Industry	Grant Received Rs. Lakhs
2019-2020	CDAC	Centre for Development of Advanced Computing, India	2.30
<b>B. Other agencies - National and International (Major Projects)</b>			
2017-18	Rationalization of Live Load on Indian Road Bridges	MoRTH, New Delhi	5.00 Lakh
2011-17	Integrated Domestic wastewater Treatment System with Multi species and Dual media Constructed Wetland, DST/TM/WTI/2K16/72	DST, under water technology initiative (WTI-2016)	Rs. 40.24 Lakh
2016-20	Studies on Utilization of Water Treatment Sludge on the Verification of Burnt Clay Bricks for Buildings	RPS project 20/AICTE/RIFD/RPS (Policy 1) 50/2013-14, RPS- AICTE- New Delhi	Rs 15.5 Lakhs
2020-21	FIST proposal entitled Servo Hydraulic Loading Frame System with Pseudo Dynamic Test Arrangement for grant of Rs. 1.03 Crore accepted and sanctioned on 5/3/2021 by the DST	DST-FIST2020	Rs.103.00 Lakh.
2012-13	Study of static and dynamic behavior of helical compression spring with continuously varying coil diameter	RPS	8,60,000
2013-14	Development of automated inspection method for metal castings using digital image processing techniques	RPS	8,60,000
2016-17	Project centre for technical education (Learning Factory)	AICTE PCTE	43,00,000
2013-17	Performance comparison of Wavelet, Neural and Time domain Reference Current Extraction (RCE) strategies for Power Quality Improvement using Distribution static Compensator (DSTATCOM) based on VSI inverter in dynamic and steady loading conditions.	AICTE	15.66
2015-19	RGSTC-TIFAC MSME Internship Programme in Maharashtra at Walchand College of Engineering, Sangli	Rajiv Gandhi Science & Technology Commission, Government of Maharashtra	3.48
2019-20	Utilization of OFF-Grid solar Photovoltaic energy for the wireless charging of electric vehicles	NPIU, New Delhi,	14.69
2014-15	Dr. Mrs. S. S. Deshpande -RPS project entitled 'Nonlinear model predictive control design and implementation in FPGA for Embedded applications'	AICTE, Delhi	10 Lac
2016-17	Dr. V. B. Dharmadhikari -John Deere Research Centre, Dept of Electronics Engg, WCE, Sangli.	John Deere, pune	2.5 Lac
2016-17	Dr. Mrs. A. A. Agashe -Seminar Grant 'Pedagogical aspects of Signal Processing'	AICTE, Delhi	1 Lac
2018-19	Dr. V. B. Dharmadhikari -Margadarshan Grant	AICTE, Delhi	19.8 Lac
2013-16	Design & Implementation of Surveillance Mining System	RPS – AICTE	15.50
2016-19	Intelligent Cognitive Vision Support for an Independent Lifestyle of Elderly People	Department of Science and Technology (DST)	17.29
2019-20	Smart Surveillance for WCE Campus	TEQIP – III	0.0551293

## Ongoing Research Projects

Year wise	Name of the project	Funding agency/ Industry	Grant (Rs. Lakh)
<b>A. College Funded Minor Projects</b>			
<b>B. Other agencies - National and International Major Projects</b>			
2020-21	Installation of Servo Hydraulic Loading Frame System with Pseudo Dynamic Test Arrangement	DST-FIST, New Delhi	103.00 Lakh
2020-21	Study on Seismic Strengthening Technologies and Comparative Assessment of various Retrofit Techniques for URM School Buildings in India	DST-FIST, New Delhi	130.00 Lakh
<b>C. Industry sponsored Minor Projects</b>			
2017-19	Development of Product Innovation Lab Cordinator: Dr. S.U. Sapkal Coordinator: R.M. Chanmanwar	Dassault Systemes	11.00 Lakh
2019-20	Autonomous Small-Scale Agriculture Plant Caretaker Project Guide: R.M. Chanmanwar; SPoC: Dr. S.U. Sapkal	La Fondation	2.19 Lakh
2019-20	Development of Bi-Nozzle 3D Printer Project Guide: Dr. S.U. Sapkal	Dassault Systemes Fondation	1.00 Lakh
2020-21	Cloudpoint High Availability	VERITAS	
2020-21	Deployment of microservice based architecture to kubernetes	VERITAS	
<b>C. Industry sponsored Major Projects</b>			
2008 onwards	Air Monitoring	MPCB	16.67 per annum

## Interdisciplinary &amp; Collaborative Research

Department	Collaboration with	Area of Research
Civil Engineering	Maharashtra Pollution Control Board, Mumbai	Air quality and noise monitoring in Sangli
Mechanical Engineering	BARC, Mumbai, Danfoss	Raisin making process and technology development
Electronics	John Deere	Agricultural & Automotive Research
C S & Engineering	IIT, Bombay	High Power Computing
Info. Technology	NVidia, Bangalore	Image and Video processing
Mathematics	University of Central Florida, Orlando, USA	Complex Analysis

## Transferring Research to Community

Research Work	Application
Roof top rainwater harvesting system and development of package inline treatment	Implemented in college campus
<b>Treatment for domestic wastewater</b>	Implemented in staff quarter

Low cost and <b>Energy Efficient Building Designs</b>	Application of Filler slabs, Stabilized Mud Blocks, Composite Beam-panels roofs for residential buildings in and around Sangli
Research on black cotton soil towards reduction of flooring distortions	Flooring distortion minimizing on GF when plinth filling is done on BC soil available at site
<b>Embedded System Design</b>	Automotive and agricultural applications
<b>High Performance Computing</b>	Platform for algorithm testing

### Faculty Achievements Research Awards Received by the WCE Faculty

Civil Engineering			
Name of faculty	Prize/Award received	Organization/Institute	Year
Dr. P.G. Sonavane	Excellent paper award	Received IconSWM-Springer excellent paper award 2017 at 7th International Conference on Solid Waste Management,	2017
Dr. G.R. Munavalli	Best paper award in First International Conference on Energy and Environment: Global Challenges March 09 & 10, 2018	Dept., of Chemical Engineering, NIT Calicut.	2018
Dr. G.R. Munavalli	Best paper award National Conference Recent Trends in Engineering and Technology (NCRET), 24TH March 2018, Organized by Sharad Institute of Technology, Yadrav.	Sharad Institute of Technology, Yadrav.	2018
Dr. G.R. Munavalli	Best paper award in National Conference on Advancement and Innovations in Civil Engineering, 2019, Shimoga	in National Conference on Advancement and Innovations in Civil Engineering, 2019, Shimoga	2018
Dr. G.R. Munavalli	Best paper award 4th International conference on Materials, Mechanics and Management, College of engineering Trivandrum (IMMM2020)	College of engineering Trivandrum (IMMM2020)	2020
Dr. G.R. Munavalli	Delivered 35 guest lectures as resource person in FDP, STP, and STTPs since 2016.	Various Academic Institutions	2020
Dr. V.S. Patil	Appointed as a journal reviewer titled American Journal of Engineering and Applied Sciences, A multidisciplinary, Scopus indexed and UGC approved journal with H-index 45.	Journal of Engineering and Applied Sciences, A multidisciplinary, Scopus indexed and UGC approved journal with H-index 45.	2021
Mr. P.K. Deshpande	Invited and honoured as a chief guest in Karad Architects and Engineers Association's Engineer's Day Programme	in Karad Architects and Engineers Association's Engineer's	2021
Dr. R.S. Desai	Received UGC grant for Participation in Int. Conference by Elsevier at Spain	Elsevier at Spain	2018

Dr. R.S. Desai	NPTEL recognises you as an NPTEL Stars - NPTEL_BELIEVERS	NPTEL Participant	2020
Dr. K.S. Ghumaste	Best paper award 4th International Virtual conference on Recent Trends in Engineering & Technology organised by Vishwakarma Institute of Information Technology (VISHWACON2021)	Vishwakarma Institute of Information Technology (VISHWACON2021)	2021
Dr. K.S. Ghumaste	Dr.K.S.Ghumaste	BLDE Association Standard Operating Procedures	2019
Dr. K.S. Ghumaste	Member of Research Advisory Committee (SUK) for scrutiny of Ph.D. in Civil Engineering	Shivaji university	2017 to tilldate

Mechanical Engineering			
Name of faculty	Prize/Award received	Organization/Institute	Year
Dr. S. U. Sapkal	Meritorious Prize for Ingenious Application of CAD/CAE/3DP practices	NAFEMS Conference 2018	July 2018
Dr. S. U. Sapkal R.M. Chanmanwar	First Prize for Academic Research Project	IMTEX2019 Academia Pavilion	January 2019
Dr. S.U. Sapkal	Elite + Silver and Topper certificate	NPTEL Course on Design for Quality, Manufacturing and Assembly, IIT Madras	September 2019
Dr. S.U. Sapkal	Elite + Gold and Topper certificate	NPTEL Course on Engineering Metrology, IIT Kanpur	November 2019
Dr. S.U. Sapkal	Jury Member	Internal Smart India Hackathon 2020 at WCE Sangli	January 2020
ASME Faculty advisor: Dr. S.U. Sapkal, Dr. K.H. Inamdar	Team of 3 students won first prize in Biomimicry Design Challenge; and one student won second prize in the competition OLD GUARD oral presentation	ASME E-FEST 2020	February 2020
Rahul Chanmanwar	Certificate of appreciation to be a guide for a project FATBot- autonomous field bot which was amongst the top 100 projects display to industries under Connect Next national conference organised by La foundation dassault systems	La fondation dassault systems	17 September 2020

Electronics Engineering			
Name of faculty	Prize/Award received	Organization/Institute	Year
Dr. Mrs. S. Subbaraman	Pillars of Indian Society	Asian Chamber of Commerce, Mumbai	2017
	AICTE Adjunct Faculty	AICTE Delhi	2017
Dr. S. N. Kore	Dr. Abdul Kalam Lifetime Achievement National Award	International Institute for Social and Economic Reforms for	2017

		teaching, Research and Publications	
Dr. S. G. Tamhankar	Awarded PhD	Mumbai University	2021
Dr. Mrs. S. S. Deshpande	Awarded PhD to two students under guidance of Dr. Mrs. S. S. Deshpande	Shivaji University	2021

CSE Engineering			
Name of faculty	Prize/Award received	Organization/Institute	Year
Dr. B. F. Momin	Awarded PhD to two students under guidance of Dr. B. F. Momin	Shivaji University	2019-20
	Setup the "ZiMetrics Advanced Data Analytics Lab" through CSE Alumni	---	2020-21
Dr. N. L. Gavankar	Awarded PhD	IIT, Roorkee	2018-19
Dr. M. A. Shah	Awarded PhD	Shivaji University	2018-19
Ms. S. S. Rokade	Got the Copyright on "Blockchain based healthcare application to preserve and maintain scalability"	---	2019-20
Mr. M. K. Chavan	Setup of Walchand Informatics Center (WIC)- <ul style="list-style-type: none"> <li>● College campus Wi-Fi network setup</li> <li>● New data center setup</li> <li>● Campus wide surveillance system</li> </ul>	----	2020-21

IT			
Name of faculty	Prize/Award received	Organization/Institute	Year
Dr. S. P. Sonavane	50 Fabulous Edutech Leaders	World Education Congress	2019
Dr. A. J. Umbarkar	Star NPTEL Believers	NPTEL	2021
Dr. A. J. Umbarkar	Completed Ph. D.	BAMU, Aurangabad	2016
Dr. R.R. Rathod	Star NPTEL Believers	NPTEL	2020
Dr. R.R. Rathod	Completed Ph. D.	IIT, Roorkee	2017
Dr. P.K. Kharat	Completed Ph. D.	NIT, Surathkal	2019

### Institute Level Best Practices

- **Solar street lighting** facility throughout the campus
- **Rainwater harvesting**
- Decentralized wastewater treatment plant based on natural principles
- **Water for gardening** derived from above.
- **Natural lighting** arrangement in Badminton Hall and few labs
- Training programs for weaker section of the society and rural population in Sangli



District through community service to enable them for self-employment

- Academic flexibility
  - **Interdisciplinary Open/institute electives**
  - **Internship** UG (SPAI), sponsored projects for PG
- **Emphasis on ICT** for all academic and administrative activities
  - Use of LCDs, interactive boards, e learning material, on-line assignments/examinations, simulation tools, etc.
  - Use of **virtual labs** for teaching both theory and practical sessions of few courses as per IITB methodology (DIP, Animation Techniques)
  - Few curricular courses **blended with IITB** course material, **NPTEL videos**, and lecturer's material
- Transparent Examination process
- Academic monitoring
- 25% UG and PG **projects** related with **societal concerns**
- **Research paper publication** for PG students is mandatory
- Few students getting stipend of Rs. 10000/- p.m. for a period of six months for projects under TIFAC
- Excellent **TPO** activity
- 30% students get internship in IT related companies and most of them get absorbed in same companies.
- **24 x 7 lab facility** available administered by student club members
- Industrial and field visits.

### 3. GRADUATION OUTCOME

#### 3.1 Student Mentoring and Support

In order to improve the performance of the students' various methods of Mentoring and support are followed in the Institute which are as follows:

- **Counseling System**
  - Counseling to students with poor attendance and academic performance by class teacher/course teacher.
- **Economically Weak Students**
  - Support through endowments and scholarships
  - Earn and Learn support through Library
- **Encouragement** to participate in co-curricular activities viz. paper presentation, debates, project competitions etc.
- Soft skill development training, Career guidance and Placement through Training & Placement cell.
- **Financial Assistance**
  - 50% UG (State Government) and 100% PG students (Central Government)
- Support for **physically challenged** students
  - **Preference** is given for **hostel** / in campus accommodation.
  - **Lecture** and Examination **halls** are provided at the **ground floor**.
  - **Ramps** are provided at various places in the campus
  - **Extra time** is given for examination of theory paper and labs **for PH students**.
- Administrative support to avail concessional travel to attend conferences, seminars, industrial visits etc. from state and central government agencies.
- Support to **SC/ST** students
  - **Book bank** scheme
  - **Facilities of Social welfare** Department, GOM passed on to the category students
- Support to **slow learners**
  - Course faculty provides learning material, interacts for solving problems and clarifies the doubts and **summer term**
- Exposure to students to other academic institutes, corporate, business houses
  - **Participation** in paper presentation, project competition, quiz contest organized by other institutes
  - **Student transfer** program.
  - **Industrial visits**
  - Virtual tour of industry during company presentation (campus placement)
- Support for GATE examination
  - **Software** for Solving Question Paper for **GATE**
  - For attempting mock GATE examination
- Support for sports persons
  - **Exemption from attendance** requirement
  - **Provision** for sports kits, dress, diet etc.

Following student support cells are in place.

- **Training and placement cell**
  - Personality development and soft skill training programs organized through TPO
- **Registered Alumni Association**
  - Donations from alumni
- **Student Grievance cell**
- **Sexual harassment committee, Anti-ragging committee**

### 3.2 Combined Performance in Public and University:

#### 3.2.1 Result analysis of 2020-21:

Class	Department	Result Analysis (2019-2020)					Result Analysis (2020-2021)				
		PASS	FAIL ATKT	FAIL	Total	PASSING %	PASS	FAIL ATKT	FAIL	Total	PASSING %
First Year B.Tech.	Civil Engineering	75	2	2	79	97.47%	73			73	100.00%
	Mechanical Engineering	73	2	0	75	100.00%	70	1		71	100.00%
	Electrical Engineering	72	3	2	77	97.40%	68			68	100.00%
	Electronics Engineering	74	0	1	75	98.67%	68			68	100.00%
	Computer Science and Engineering	116	0	1	117	99.15%	106	1		107	100.00%
	Information Technology	71	1	1	73	98.63%	70			70	100.00%
Second Year B.Tech.	Civil Engineering	72	2		74	100.00%	84	2		86	100.00%
	Mechanical Engineering	76			76	100.00%	83			83	100.00%
	Electrical Engineering	70	3	1	74	98.65%	83		2	85	97.65%
	Electronics Engineering	69	4		73	100.00%	82			82	100.00%
	Computer Science and Engineering	114		2	116	98.28%	125	3	1	129	99.22%
	Information Technology	72		2	74	97.30%	80	1		81	100.00%
Third Year B. Tech.	Civil Engineering	73	1	1	75	98.67%	73	1		74	100.00%
	Mechanical Engineering	76	1	1	78	98.72%	75			75	100.00%
	Electrical Engineering	78			78	100.00%	74			74	100.00%
	Electronics Engineering	76	1		77	100.00%	72	1		73	100.00%
	Computer Science and Engineering	112	2		114	100.00%	114	1		115	100.00%
	Information Technology	80			80	100.00%	72		1	73	98.63%
Final Year B. Tech.	Civil Engineering	74		1	75	98.67%	75			75	100.00%
	Mechanical Engineering	76			76	100.00%	77			77	100.00%
	Electrical Engineering	82			82	100.00%	78			78	100.00%
	Electronics Engineering	67			67	100.00%	77			77	100.00%
	Computer Science and Engineering	116		1	117	99.15%	113		1	114	99.12%
	Information Technology	68			68	100.00%	79		1	80	98.75%

Class	Department	Result Analysis (2019-2020)					Result Analysis (2020-2021)				
		PASS	FAIL ATKT	FAIL	Total	PASSING %	PASS	FAIL ATKT	FAIL	Total	PASSING %
First Year M.Tech.	Civil Environmental Engineering	16		1	17	94.12%	20			20	100.00%
	Civil Structural Engineering	32			32	100.00%	32			32	100.00%
	Mechanical Design Engineering	30			30	100.00%	32			32	100.00%
	Mechanical Heat Power Engineering	10		1	11	90.91%	7	1		8	100.00%

	Mechanical Production Engineering	20			20	100.00%	10			10	100.00%
	Electrical Engineering Control Systems	11			11	100.00%	15			15	100.00%
	Electrical Engineering Power Systems	12		1	13	92.31%	17			17	100.00%
	Electronics Engineering	17			17	100.00%	7			7	100.00%
	Computer Science and Engineering	19		1	20	95.00%	10			10	100.00%
	Computer Science and Information Technology	4			4	100.00%	4			4	100.00%
<b>Second Year M.Tech. Second</b>	Civil Environmental Engineering	14			14	100.00%	13		3	16	81.25%
	Civil Structural Engineering	27			27	100.00%	31		2	33	93.94%
	Mechanical Design Engineering	30			30	100.00%	30			30	100.00%
	Mechanical Heat Power Engineering	17			17	100.00%	11			11	100.00%
	Mechanical Production Engineering	25			25	100.00%	20			20	100.00%
	Electrical Engineering Control Systems	13			13	100.00%	11			11	100.00%
	Electrical Engineering Power Systems	20			20	100.00%	12			12	100.00%
	Electronics Engineering	28			28	100.00%	16		1	17	94.12%
	Computer Science and Engineering	29			29	100.00%	19		1	20	95.00%
	Computer Science and Information Technology	3			3	100.00%	4			4	100.00%
	<b>Grand Total</b>	<b>2309</b>	<b>22</b>	<b>20</b>	<b>2351</b>	<b>99.15</b>	<b>2292</b>	<b>12</b>	<b>13</b>	<b>2317</b>	<b>99.44</b>

### 3.2.2 GATE Toppers (All India Rank Less Than 5000): Total 67 students are qualified in Gate- 2020 Examination

Sr. No.	Candidate Name	Branch	All India Rank
5.	Purna Inamdar	Civil	861
6.	Harshvardhan Arun Pawar	Civil	882
7.	Rohit Shankar Patil	Mechanical	8
8.	Vaibhav Dnyaneshwar Wankhade	Mechanical	44
9.	Rushikesh Subhash Hudedmani	Mechanical	85
10.	Gaurav Sunil Dhande	Mechanical	345
11.	Bajirao Balu Lamkhade	Mechanical	835
12.	Rohit Rama Kamble	Mechanical	1610
13.	Abhijeet Abhaykumar Pachore	Mechanical	2309
14.	Rohan Raju Patil	Mechanical	2477
15.	Shrutee Pradip Pawar	Mechanical	3328
16.	SANKALPA NAKHATE	ELECTRICAL	217
17.	DEEPANKAR TIWARI	ELECTRICAL	396

18.	GULFAM ARZOO	ELECTRICAL	682
19.	KAUSHIK HASABNIS	INSTRUMENTATION	1425
20.	HARSHAL GOKHALE	Electronics	135

### 3.2.3 CAT Toppers (More Than 80%):

Sr. No.	Candidate Name	Branch	Percentile
1	Pranjali Pranjape	Electronics	99.91
2	DHANRAJ BHOSALE	Electronics	82.13

### 3.2.4 GRE Toppers (More than 300):

Sr. No.	Candidate Name	Branch	Marks
1	YASH NASERY	Electronics	319
2	Hitesh Choudhari	Electronics	305
3	Yash Mardikar	Electronics	304
4	Prajakta Jadhav	Electronics	312
5	Ruturaj Nikam	Electronics	300
6	Deepak Phadtare	Electronics	310

## 3.3 Combined Percentage for Placement, Higher Studies and Entrepreneurships:

### 3.3.1 Placement Statistics

Sr No	Company	Salary in LPA	No of Offers
1	Microsoft	43	1
2	Google	31	1
3	Amazon	28	2
4	Palo Alto Networks	24.35	1
5	Grab GRECO LLP	23.57	1
6	Arista Networks	23.5	2
7	BNY Mellon	17	1
8	Druva Data Solutions Pvt Ltd	14	9
9	Espressif Systems India Pvt Ltd	12	2
10	Dell EMC	12	5
11	Credit Suisse	11.92	1
12	Veritas Technologies LLC	11.75	22
13	Rocket Softwares	10.59	4
14	NVIDIA Graphics Pvt Ltd	10.2	3
15	Cadence Design Systems	10	1
16	Larson & Turbo Infotech	10	1
17	Airbus	10	2
18	Pubmatic India Pvt Ltd	9.72	5

19	Sedmac Mechatronics	9.5	3
20	Sahaj Software Solutions Ltd	9.4	1
21	Seagate Technology	9.2	2
22	Siemens PLM	9	9
23	Siemens Software Industries, Pune	9	
24	Hindustan Unilever Ltd	8.5	3
25	Cummins	8.5	2
26	Mindbody Inc.	8.5	11
27	Bakers & Hughes	8.5	2
28	GE Renewables	8.5	1
29	Thoughtworks Inc.	8.3	5
30	NCR Corporation	8	3
31	Platform9 Systems India Pvt Ltd	8	1
32	Media.Net (Directi)	8	1
33	Pavilion	8	4
34	Flextrade India Pvt. Ltd	8	1
35	Thronton Tomasetti Engineering, Mumbai	8	1
36	Dassault System, Pune	7.5	
37	TCS Digital	7.2	8
38	NICE Interactive Solution Pvt Ltd	7	14
39	Josh Private Ltd	7	5
40	Icertis Solution Pvt Ltd	7	3
41	Medly	7	1
42	Tom Tom international Ltd	6.75	0
43	Atlas Copco	6.75	6
44	Larson & Turbo Infotech (LTI)	6.5	1
45	Eaton India Innovation Center	6.25	14
46	Signify Cooper Lighting Solutions	6.25	6
47	AFour Technologies Pvt Ltd	6.25	4
48	Tata Power	6.06	5
49	Principal Global Services	6	5
50	L&T Group of Companies	6	17
51	PTC India	6	1
52	Schneider Electric	6	1
53	JSW (Core)	6	4
54	JSW IT	6	1
55	Galaxy Surfactants Ltd.	5.77	2
56	Dar Al-Handasah	5.76	4
57	Qualys Security Techservices Pvt Ltd	5.74	14

58	National Payment Corporation of India	5.6	1
59	Tricon Infotech	5.55	1
60	Toyo Engineering Ltd	5.5	4
61	Dassault Systems	5.5	2
62	Citec Engineering	5.5	2
63	Godrej & Boyce Mfg. Ltd.	5.5	4
64	Raja Software Labs	5.5	11
65	NetCracker	5.5	4
66	Dar Al Handasah	5.5	5
67	Siemens Energy, Pune	5.5	1
68	Precon Services Pvt Ltd, Pune	5.5	1
69	ABS Professional Services Pvt Ltd	5.32	3
70	Siemens Technologies	5.3	3
71	Fiat	5.1	2
72	Larson & Turbo Infotech (LTI)	5	26
73	Precon Engineering	5	2
74	Infosys	5	30
75	Emerson Designs	5	6
76	Amdocs	5	2
77	Happiest Minds	5	1
78	Anora Semiconductors	5	1
79	Environmental & Civil Engineering Solutions / RSE Environmental, UK	5	1
80	ROTHWELL, Pune	5	1
81	Persistent Systems Ltd	4.51	19
82	Tata Elxi	4.5	1
83	Xoriant Solutions Pvt Ltd	4.5	8
84	Accenture	4.5	13
85	ElasticRun	4.5	8
86	Faurecia	4.5	1
87	ICEM	4.5	1
88	Sinteg Technology	4.5	1
89	National Janitorial Services, Pune	4.5	1
90	HVAC	4.5	1
91	Thermax, Pune	4.5	2
92	Transrail Lighting Limited	4.25	6
93	Everest Industries Limited	4.15	4
94	EXL Services	4.1	2
95	Cognizant	4	45

96	Sudarshan Chemical Industries Ltd	4	4
97	Flemmington Consultancy Pvt. Ltd	4	1
98	Shah Technical consultants, Pune	4	1
99	SIMA Pro India Pvt. Ltd	4	1
100	Strudcom Consultants Pvt. Ltd.	4	2
101	ICICI Securities Ltd	3.8	1
102	DXC Technologies	3.6	81
103	KPIT	3.6	1
104	Birlasoft Ltd	3.6	36
105	Lentra.AI	3.6	1
106	TCS Ninja	3.36	27
107	Global Edge	3.25	2
108	CAE Analyzer	3	1
109	Neilsoft	2.5	8
<b>Total Offers</b>			<b>624</b>

Placement Summary	
<b>Total No of Students Placed (B.Tech + M.Tech)</b>	431
<b>Total Dream Offers</b>	193
<b>Average Salary (LPA)</b>	6.96
<b>Median Salary (LPA)</b>	6

### 3.3.2 Placement Analysis

Branchwise Placement (B.Tech)				
Sr. No.	Branch	Enrolled	Placed	Placement %
1	Civil	46	22	47.82
2	Mechanical	62	50	80.64
3	Electrical	51	42	82.35
4	Electronics	56	51	89.28
5	Computer Science	102	100	98.04
6	IT	71	69	97.18
<b>Total</b>		<b>388</b>	<b>333</b>	<b>85.82</b>

### Branchwise Placement (M.Tech)



Sr. No.	Branch	Enrolled	Placed	Placement %
1	Civil	35	24	68.6
2	Mechanical	56	34	60.7
3	Electrical	22	11	50.0
4	Electronics	17	13	76.5
5	Computer Science	19	16	84.2
<b>Total</b>		<b>153</b>	<b>98</b>	<b>64.1</b>

3.3.1 Top Recruiters (Core)



**SUPER DREAM COMPANIES**



**ARISTA**

**IT COMPANIES**



**CORE COMPANIES**



### 3.4 Extra-Curricular Activities and other Achievements:

#### 3.4.1 Our Proud Alumni

SN	Alumni	Position
1	<b>Prof. A. V. Patki</b>	Ex Director, ISRO, Bangalore
2	<b>Dr. R. A. Katti</b>	Ex Head, Thermal Systems, ISRO Bangalore
3	<b>Dr. S. D. Awale</b>	Ex-VC, Dr Ambedkar Tech. Univ., Lonere
4	<b>Dr. P. A. Kulkarni</b>	Ex-VC, Sikkim-Manipal Univ., Sikkim
5	<b>Shri. V. S. Prabhu</b>	Vice Chairman, BSES, Mumbai
6	<b>Shri. Adi Engineer</b>	Vice Chairman, Tata Power, Mumbai
7	<b>Shri. Alim Chandani</b>	Chairman, Stup Consultant, Mumbai
8	<b>Shri. Rajas Doshi</b>	CMD, Indian Hume Pipes Ltd., Mumbai
9	<b>Dr. S.G. Joshi</b>	Joshi Technologies Inc, Columbia, USA
10	<b>Shri. M. N. Navale</b>	Founder Trustee, Sinhgad Tech. Ed. Soc.
11	<b>Shri. Vishwas Sapkal</b>	Indian Ambassador to Armenia, High commissioner in Fiji
12	<b>Shri. B. Raheja</b>	Eminent Builder, Mumbai.
13	<b>Deepak Shikarpurkar</b>	President, Computer Society of India
14	<b>Mr. B.V. Aradhya</b>	Ex Director, ISRO Ahmadabad
15	<b>Shri B.R. Lanka</b>	CEO, 3dPLM Division

### 3.5 Student Activities

## ART CIRCLE

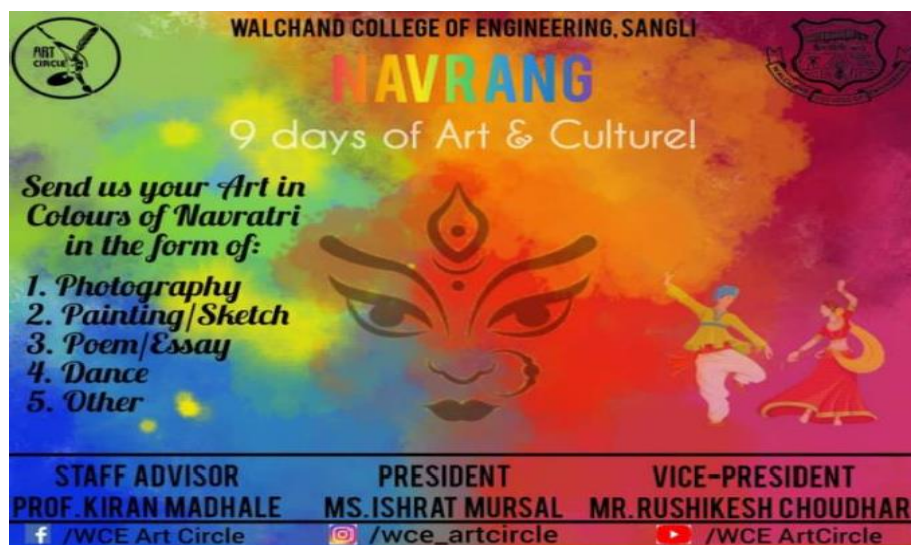
### 1. Activity Name: Ganesh Art Fest

ART CIRCLE organized an online event during the Ganesh Festival, 22nd to 31st August 2020 wherein an online competition regarding Ganesh theme related artworks was carried out and posted on social media handle.



### 2. Activity Name: Navrang

ART CIRCLE organized Dandiya Night every year on Navaratri during, 17<sup>th</sup> to 25<sup>th</sup> October 2020.



### 3. Activity Name: Deepotsav:

ART CIRCLE on Diwali, conducted an online Fort & Rangoli making competition during 13<sup>th</sup> to 16<sup>th</sup> November 2020.



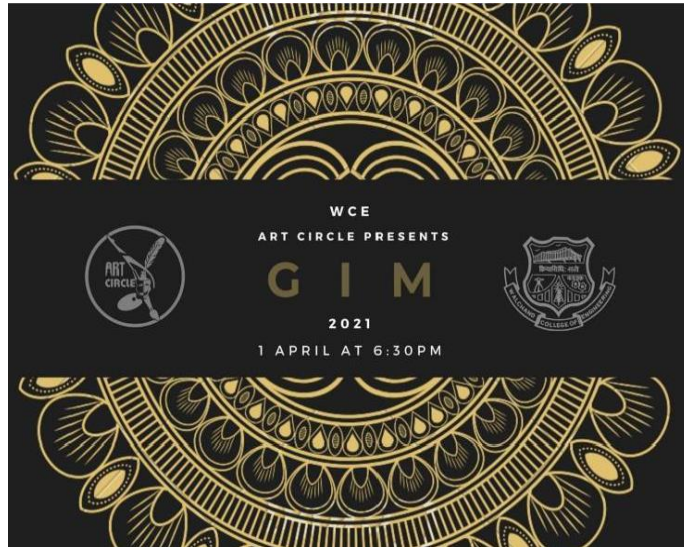
**4. Activity Name: Social Service-Donation**

ART CIRCLE on Republic Day, donated vegetables to Velankar Ashram on 26th January 2021.



**5. Activity Name: General Interest Meet**

ART CIRCLE organised General Interest Meet every year exclusively for the newly admitted First Year students on 1<sup>st</sup> April 2021.



**6. Activity Name: Career 2021**

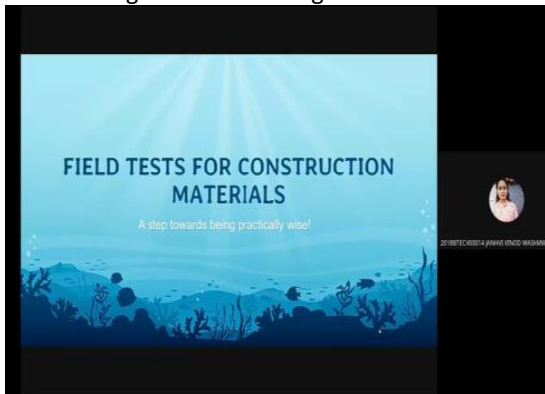
ART CIRCLE organized a 2day online workshop in collaboration with Hexanovate, a Digital Marketing company 12<sup>th</sup> to 13<sup>th</sup> June 2021.



## CIVIL ENGINEERING STUDENTS' ASSOCIATION

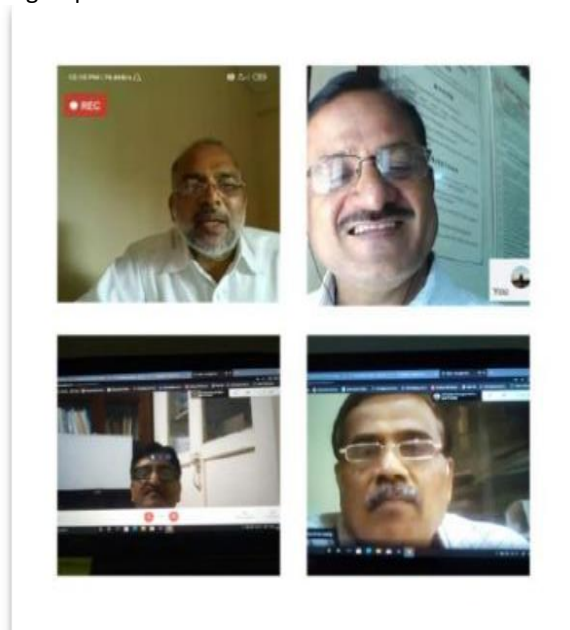
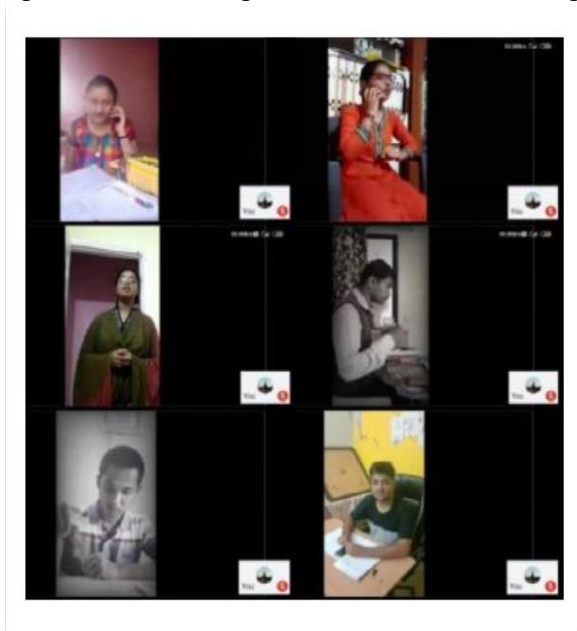
### 1. Activity Name: Weekly Club Services

Club service is weekly arranged meet where students from Civil Engineering Dept. and interested students from other trades share and gain the knowledge.



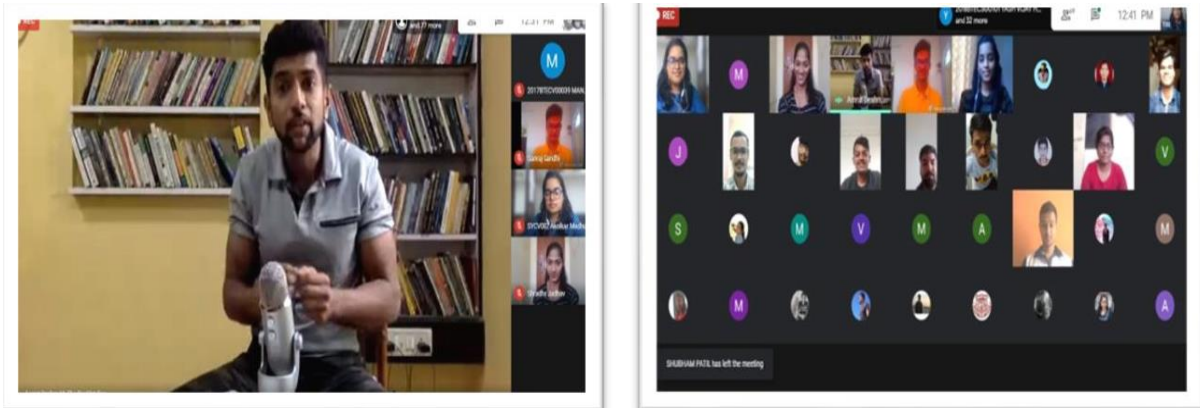
### 2. Activity Name: Teachers Day

Teachers' Day Ceremony held on 5<sup>th</sup> Sept. 2020 in the presence of Deputy Director, HOD from Degree & Diploma section, Teaching Staff, Non-Teaching Staff and students of Civil Engineering Department.



### 3. Activity Name: Bookish Odyssey

The event was conducted by members of CESA club to spread awareness about reading habits and strengthen 'Mission Make India Read' conducted on December 12, 2020, and more than 150 students participated.



#### 4. Activity Name: Gate talk

The event was conducted by members of CESA club to provide information of competitive exam called GATE and to resolve various issues regarding preparations and planning for the same Conducted on November 8, 2020, and 100 students participated.

WALCHAND COLLEGE OF ENGINEERING,  
SANGLI.

CIVIL ENGINEERING STUDENTS' ASSOCIATION

Presents...

# Gate Talk

OUR GUEST FOR TALK

VISHVESH KODIHAL  
IIT MUMBAI

SHRAVAN NIGADE  
IIT GUWAHATI

VIKAS MANE  
IIT BHU

PAYAL BHUJBAL  
NIT SURAT

8 NOV  
2020

TIME :- 10:30 am

PLATFORM :-  
GOOGLE MEET

Prof. A. K. Mali  
Staff Advisor

Mr. Kapil Kalpe  
President

Mr. Sagar Khond  
Vice President

CESA WCE  
@cesa\_wce

#### 5. Activity Name: Presentodexorous

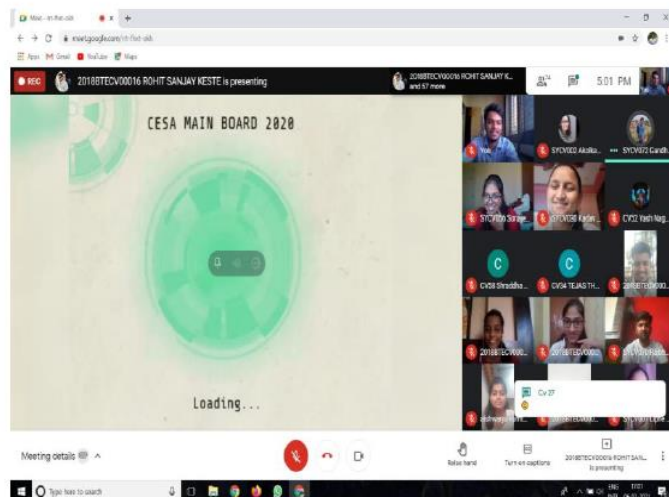
The seminar was conducted for the students of the civil engineering department on 13 March 2021, and 90 students participated.





#### 6. Activity Name: General Interest Meet

This event was conducted by the members of CESA on 6<sup>th</sup> of March 2021. The main objective was welcoming the FE's and introducing them to CESA and 98 students participated.



#### 7. Activity Name: Aakar 2k21

Various events are conducted under this activity such as QUIZOPHILE on 30th May 2021, Recruit-Rush on 30 May 2021, CAD- FEST on 29th May 2021, Rising Artsy on 29 May 2021.

**WALCHAND COLLEGE OF ENGINEERING, SANGLI**  
AN AUTONOMOUS INSTITUTE  
UNDER LEAD COLLEGE SCHEME

Civil Engineering Students' Association & IEI Students' Chapter Civil presents...  
**MAY 29 & 30**

**Akar 2k21**  
A NATIONAL LEVEL TECHNICAL SYMPOSIUM  
Pragmatic Education for Healthier Nation

**CONCRETE MIX DESIGN WORKSHOP**  
1 DAY WORKSHOP  
DATE: 26/05/2021  
ENTRY FEE: ₹ 250  
MAYUR 8625920134  
MONEY RAISE FOR CM RELIEF FUND

**QUIZOPHILE**  
Technical Quiz  
PARTICIPANTS: 1  
ENTRY FEE: ₹ 30  
BHIVKANT 7058657210

**RECRUITO-RUSH**  
Virtual Recruitment Process  
PARTICIPANTS: 1  
ENTRY FEE: ₹ 50  
PRADNYASHEEL 7057542940

**CAD FEST**  
AutoCAD and Planning skills  
PARTICIPANTS: 1  
ENTRY FEE: ₹ 50  
ARPITA 8275530720

**COVITICS**  
Debate Begins Here  
PARTICIPANTS: 1  
ENTRY FEE: ₹ 30  
SHRADHA 7249663835

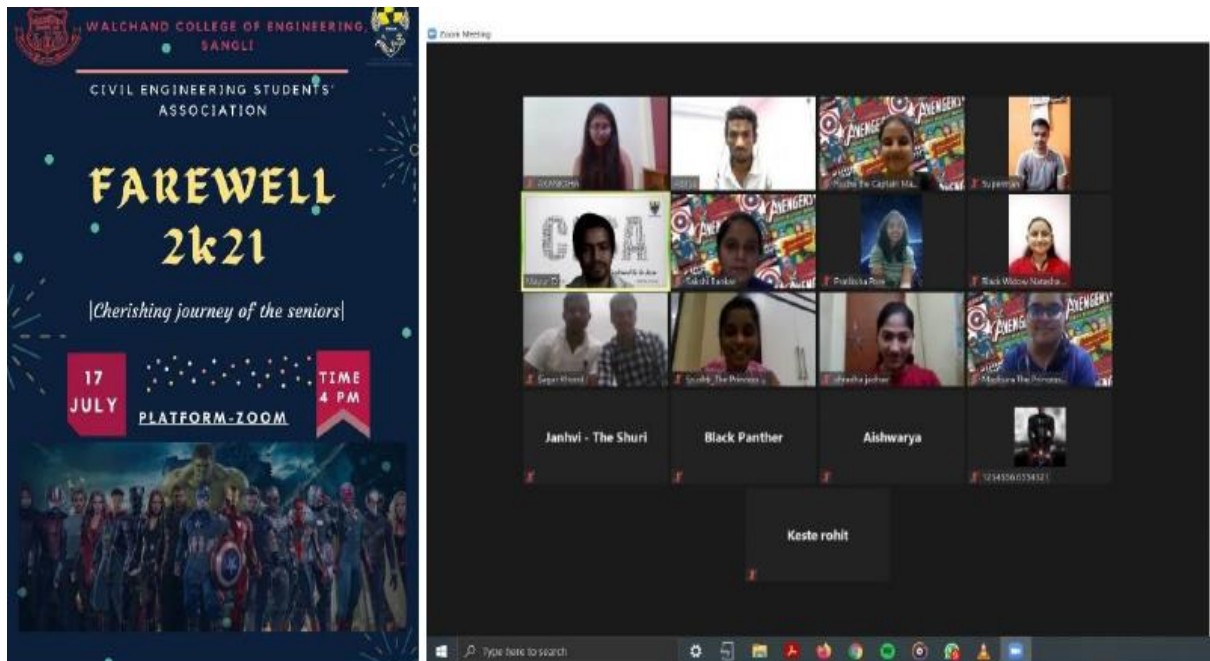
FOR ANY QUERIES  
KUNAL : +9359096404  
JANHVI : +9325453772

SCAN OR GOOGLE LENS to REGISTER

wcecesa@yahoo.com | CESA WCE | cesa\_wce | WCE CESA

Dr. P. H. Sawant (Director), Dr. A. R. Surve (Dean Students' Welfare), Dr. S. N. Tande (Head of Civil Department), Prof. A. K. Mali (CESA Staff Advisor), Mr. Kapil Kalpe (CESA President), Mr. Sagar Khond (CESA Vice-President)

8. Activity Name: Farewell 2k21



**ELECTRICAL ENGINEERING STUDENTS' ASSOCIATION (EESA)**

1. Activity Name: Weekly Club Services

EESA club engages every Monday with Technical sessions, which improves one's technical knowledge and non-technical sessions such as Group Discussions, Debates, Group Building activities, etc, Different activities are to be taken as shown in following pictures.

WALCHAND COLLEGE OF ENGINEERING, SANGLI

**EESA PRESENTS**  
CLUB SERVICE

**THE QUARANTEAM**

INFORMATIVE SESSION :  
HIGHLIGHTED FACTS OF  
LOCKDOWN

APTITUDE SESSION :  
ANALOGICAL  
REASONING

G B A :  
THOUGHT-MELODRAMA

TECHNICAL :  
RELAY BASICS

DAY - THURSDAY  
DATE - 6 - AUG - 2020

5:00 PM  
PLATFORM:  
GOOGLE MEET

**EESA PRESENTS**

**Future Of Electrical Engineering**      **War Of Current**

Hyperloop      Electric Vehicle      DEBATE ON AC Vs DC

Wireless Power Transmission      Fuel Cell Vehicle

DATE:- 14/08/2020  
TIME:- 4:00 PM  
VENUE:- ZOOM MEET

Meeting ID: 948 6815 6094  
Passcode: 7Rt9W0

ELECTRICAL ENGINEERING STUDENTS' ASSOCIATION  
**PRESENTS**

**MATTERMIND**  
An Online Club Service

**TECHNICAL SESSION**  
Thriving Alternative

**INFORMATIVE SESSION**  
Resurgence

**APTITUDE Series**

**G B A**  
Hilarious Poster

DATE : 24/08/2020  
TIME: 4 PM  
PLATFORM: ZOOM MEET

BE PRESENT FOR  
SOME **BINOD**  
AT THE END.

ELECTRICAL ENGINEERING STUDENTS' ASSOCIATION  
**PRESENTS**

**ENATHI**

INFORMATIVE  
IKIGAI

APTITUDE  
DIRECTION & AGE

TECHNICAL  
E COMPONENTS

G B A  
PROBLEMELOSEN

On 20th Sept. 2020  
At 4 pm  
Zoom Meet

ELECTRICAL ENGINEERING STUDENTS' ASSOCIATION  
**PRESENTS**

**CONGREGO**

Informative Session  
Information on Blogging

Aptitude Session  
GK Quiz

Technical Session  
System on a chip

G B A  
ShodhPrakriya

DATE: 09/05/2021  
TIME: 11 am  
PLATFORM: Zoom

## 2. Activity Name: General Interest Meet

Under this, PRAVAAH event was organized on 8/3/2021 and different session are to be taken in this event.



## 3. Activity Name: TECHNOCRAT'21

This event was conducted on 5th & 6th of June 2021 and total Number of participants for this event are 153. Technical event conducted is Technoblitz and No. of participants was 100. For non-technical events are निर्माणम् 32 students of participated and in Walchand Mun No. 12 Teams participated.

**WALCHAND COLLEGE OF ENGINEERING, SANGLI**  
 Department of Electrical Engineering | Electrical Engineering Students' Association  
 UNDER LEAD COLLEGE SCHEME | SHIVAJI UNIVERSITY

**TECHNOCRAT'21**  
 5<sup>th</sup> & 6<sup>th</sup> June

**TECHNOBLITZ**  
 - Be smart, Be innovative, Be grounded...!  
 Level-Novice & Experts | Free Entry  
 No of participants/teams-1  
 Shritej-7385657588/9021614166

**निर्माणम्**  
 - Create Your Brand In Your Own Way  
 Fe Special | Free Entry  
 No of participants/team-1  
 Mujif-8668402601/7020402751

**WALCHAND MUN**  
 - Voice Of The People  
 Non-Tech | Entry Fee-20/-  
 No of Participants/team-2  
 Sahil-9075767854/7006284372

**QUERY ?**  
 GREESHMA-9518323622  
 ANIRUDH-8291452767  
 Email us at:  
[info.wceesa@gmail.com](mailto:info.wceesa@gmail.com)

**EESA Awaits...!**

**Online Registration :**  
[www.wceesa.org.in/technocrat](http://www.wceesa.org.in/technocrat)

**Dr. P.H.Sawant**  
 Director

**Prof. Anil Surve**  
 Chairman Students' Welfare

**Prof. Dr.R.P.Hasabe**  
 HoD Electrical Department

**Mr.Abhijit Biradar**  
 President

## 4. Activity Name: Meme Challenge

This activity was conducted in club to improve the creativity of students from 24<sup>th</sup> Aug to 31<sup>st</sup> Aug 2021.

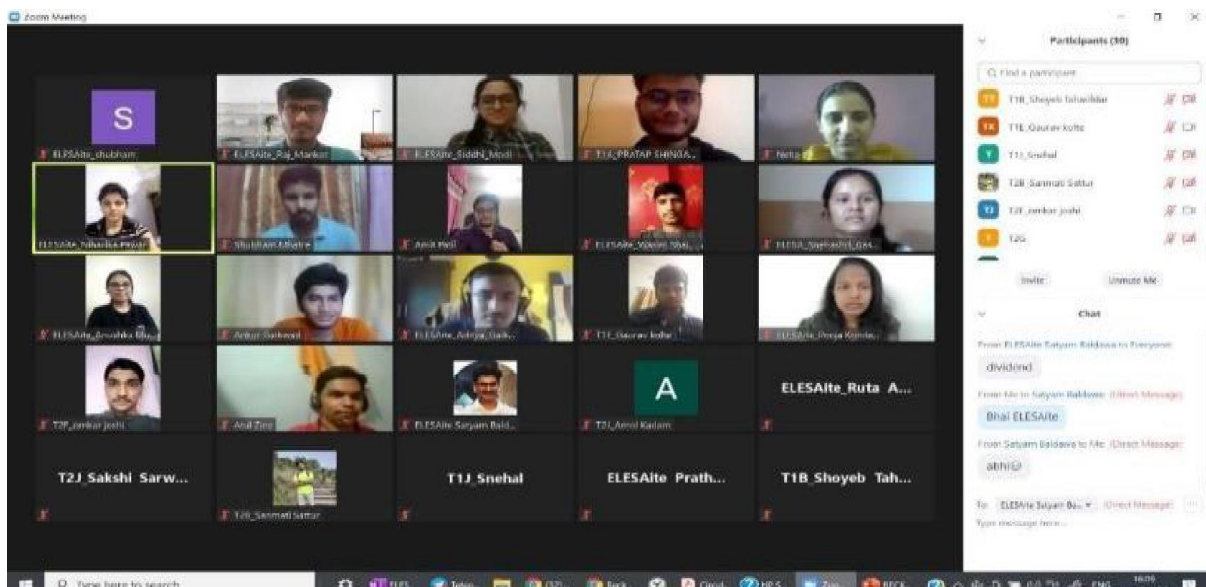


## Electronics Engineering Students Association (ELESA)

### 1. Activity Name: ELECTROVERT 2021

ELECTROVERT 2021 consist of the following sub-events:

- Coders Crusade
- Technotronics
- Enigma
- Esperanza
- The Reckon
- PresentTalk



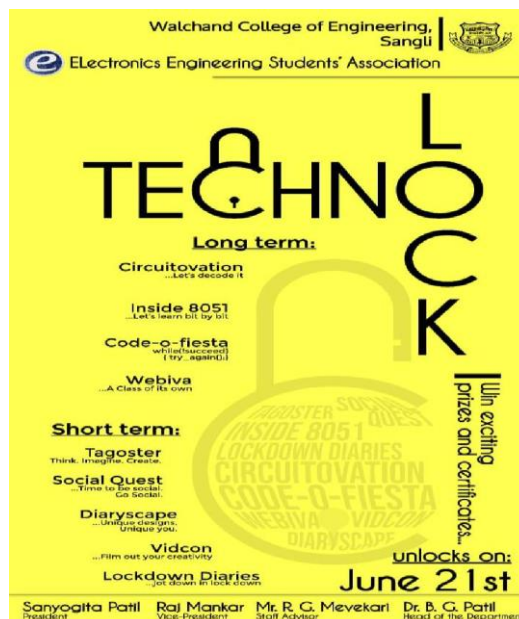
**2. Activity Name: RECONNECT**

Reconnect is a newly introduced event which is a platform to meet our alumni and get guidance for our upcoming future.



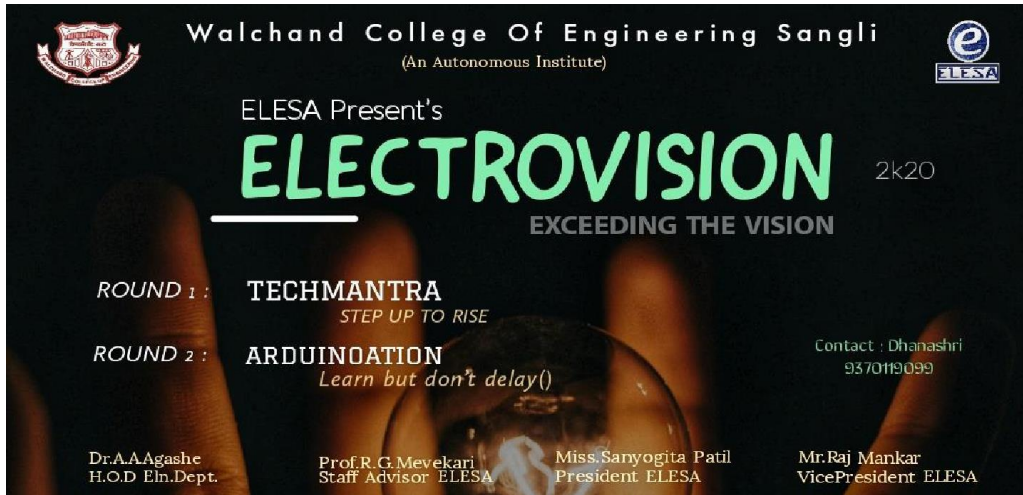
**3. Activity Name: TECHNOLOCK** - Summer special event 4-week event consisting of sub-events that are either long term or short-term events.

SHORT TERM EVENT	LONG TERM EVENT
Tagoster	Circuitovation
VidCon	Inside 8051
Lockdown Dairies	Webiva
The social quest	Code-O-Fiesta
Diaryscape	



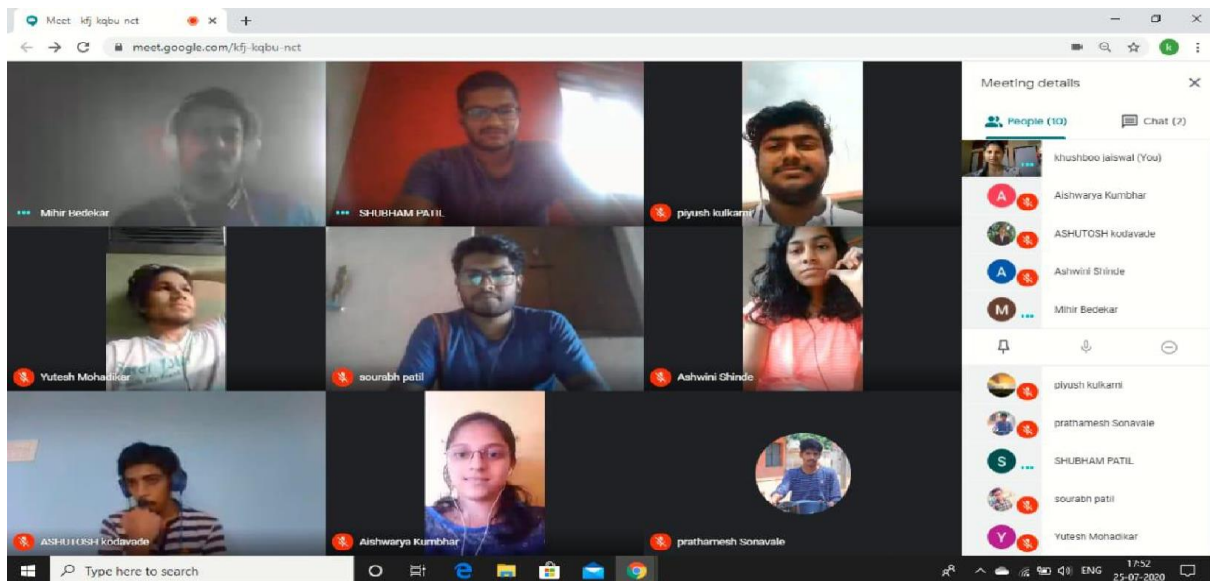
**4. Activity name: ELECTROVISION**

This event is exclusively for Assistant board members of ELESA. ElectroVision focuses on creating and developing an interest in Electronics as all tasks were based on Technical concepts.

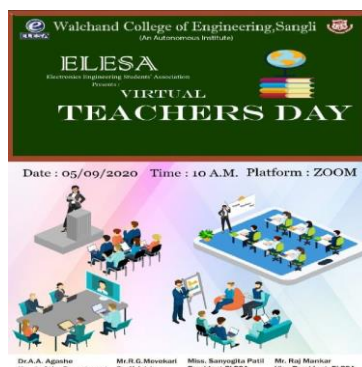


**5. Activity Name: ICUBE**

The activities that are conducted monthly include Spontaneous Speaking, Presentation competition, healthy Debates, fruitful Group Discussion.

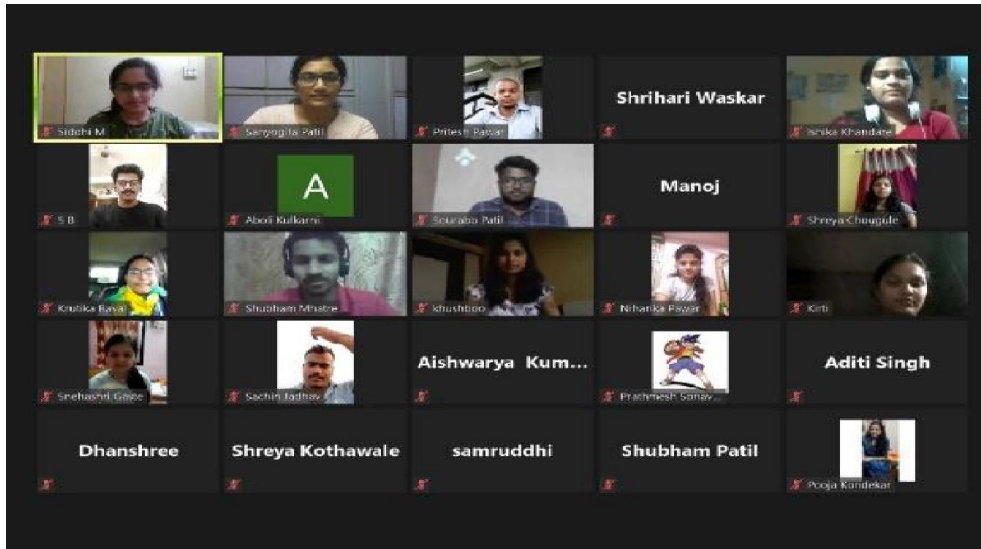


**6. Activity name: VIRTUAL TEACHERS DAY**



### 7. Activity name: Chat with Champions

Chat with champions is an event in which we invited our several alumni for the guidance of the e-Yantra robotics competition conducted by IIT Bombay.



### 8. Activity name: Introduction to VLabs

**HALF ADDER**

- ▶ Half adder is a combinational circuit.
- ▶ It is used to add single bit number.
- ▶ Half adder doesn't take carry from previous sum.

```

    graph LR
      A --> HA[Half-Adder]
      B --> HA
      HA --> S[Sum 'S']
      HA --> C[Carry 'C']
  
```

Meeting details: ADITYA GAIKWAD is presenting, 2019BTEEN00050 Mr.MADOLE RAMKRUSHNA SUDHA... and 35 more, 6:16 PM, You.

### 9. Activity Name: Placement Talks

Several B Tech members and Alumni to share their interview experience and the keep points regarding placement.





WALCHAND COLLEGE OF ENGINEERING SANGLI  
(AN AUTONOMOUS INSTITUTE)

ELESAs PRESENT'S  
**Placement Talks**  
Chapter: 1  
THE RIGHT WAY TO CONQUER PLACEMENT!

**Yogesh Nikam**  
Thoughtworks  
APPLICATION DEVELOPER

**Akash Londhe**  
Qualys  
SOFTWARE DEVELOPER

SUNDAY 8th NOVEMBER, at 5 PM

Online Platform  
Google Meet

Dr. A. A. Agashe  
HOD Electronics

Prof. R. G. Mevekari  
Staff Advisor

Sanyogita Patil  
President

Raj Mankar  
Vice President



WALCHAND COLLEGE OF ENGINEERING SANGLI  
(AN AUTONOMOUS INSTITUTE)

ELESAs PRESENT'S  
**Placement Talks**  
Chapter 4:  
THE RIGHT WAY TO CONQUER PLACEMENT!

**Jagruti Bharambe**

1. Fatou India Innovation Centre - Associate Engineer
2. IIT - Graduate Engineer Trainee
3. BXC Technology - Associate Professional Software Engineer
4. ICS Ninja

SUNDAY 23<sup>TH</sup> MAY, AT 4:30 PM

Online Platform  
Google Meet

Mr. Raj Mankar  
Vice President

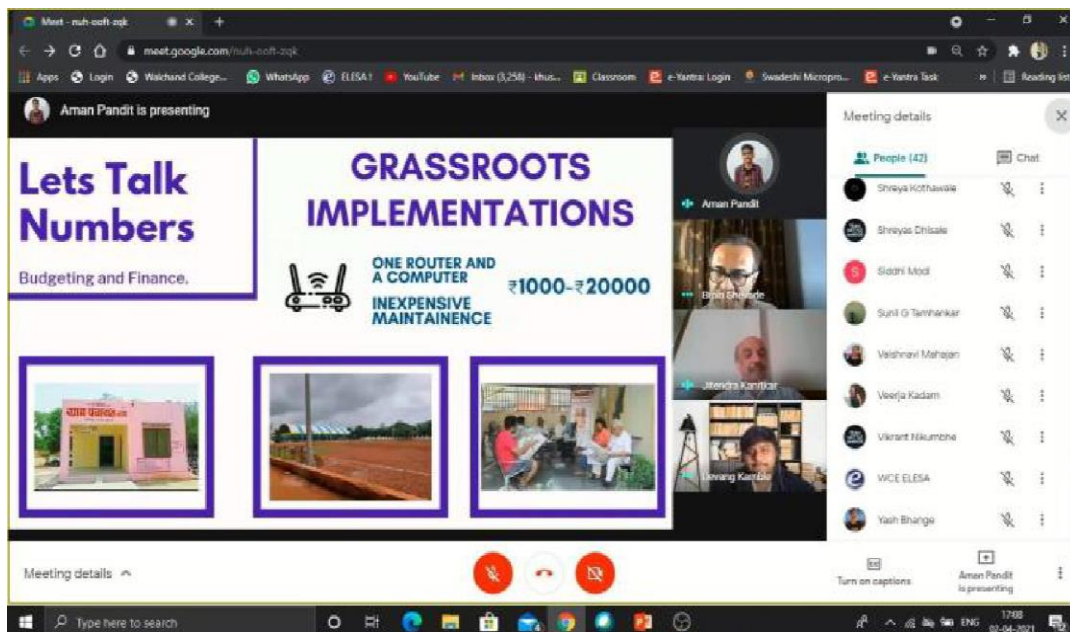
Miss. Sanyogita Patil  
President

Prof. R. G. Mevekari  
Staff Advisor

Dr. Mrs. A. A. Agashe  
HOD Electronics

## 10. Activity Name: COMMUNITY DEVELOPMENT ENGINEERING PROJECT

The competition aims to find optimal and innovative engineering solutions for the day-to-day problems faced by underserved communities and to enhance critical thinking among students. It was an idea proposal event for the betterment of the community.



Meeting - nuh-coff-zqk

meet.google.com/nuh-coff-zqk

Aman Pandit is presenting

**Lets Talk Numbers**  
Budgeting and Finance,

**GRASSROOTS IMPLEMENTATIONS**

ONE ROUTER AND A COMPUTER  
INEXPENSIVE MAINTAINENCE  
₹1000-₹20000

Meeting details

People (42)

- Shreyas Nottavale
- Shreyas Chisale
- Siddhi Modi
- Sunil G Tamhankar
- Vaishnavi Mahajan
- Veerja Kadam
- Vikrant Nikumbhe
- VICE ELESAs
- Yash Bhangre

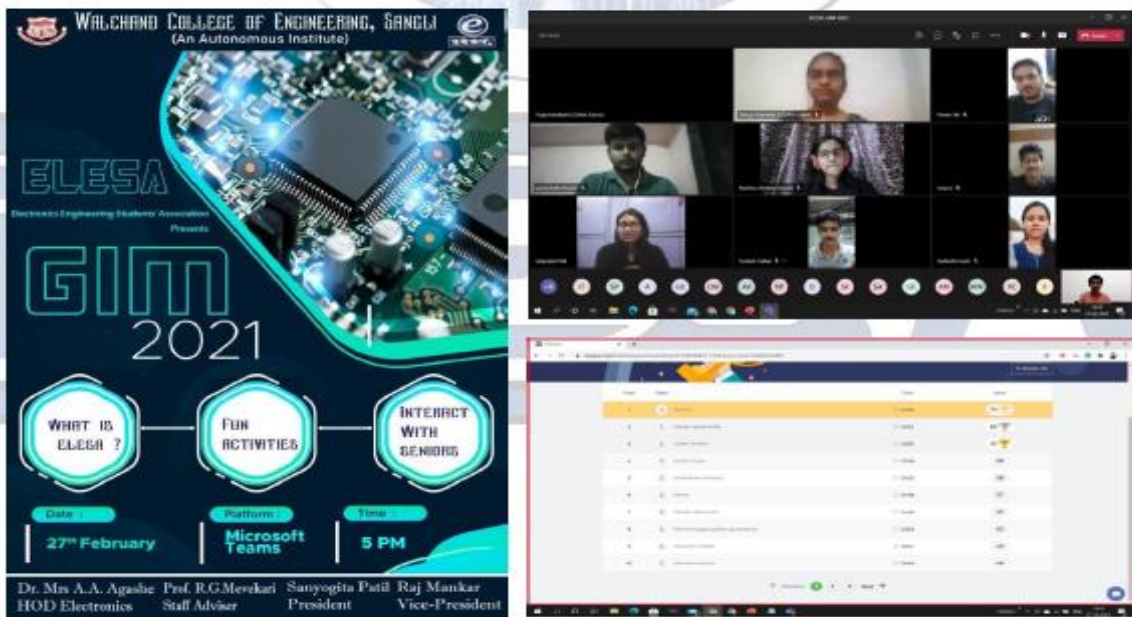
Meeting details

Type here to search

1768  
02-04-2021

## 11. Activity Name: GIM

GIM is the event conducted by ELESAs for First-Year Electronics students. The motto of this event is to introduce the ELESAs club to freshers and have an interaction with them to make them comfortable in the college.



**12. Activity Name: SCAVENGER HUNT**

Scavenger hunt is organized by ELESA Club exclusively for First-year electronics students every year. It is for increasing interaction among themselves and seniors, also they get to know about the college premises and boost their teamwork.



**13. Activity Name: ELECTRONIC PRODUCT DEVELOPMENT WORKSHOP**

A workshop on Electronic Product Development was arranged by ELESA, WCE in association with Dolphin Labs, Pune on 29th, 30th and 31st March from 4pm to 8 pm.



**DAY 1**

- Rediscover Electronic Components.
- Design Consideration.
- Circuit Building blocks.
- Sensors and Sensor development.

**DAY 2**

- Embedded system building blocks.
- Microprocessor Basic.
- Rapid Prototype development.



**DAY 3**

- OS for embedded systems.
- Apps for electronic system design.
- Open Source Technologies

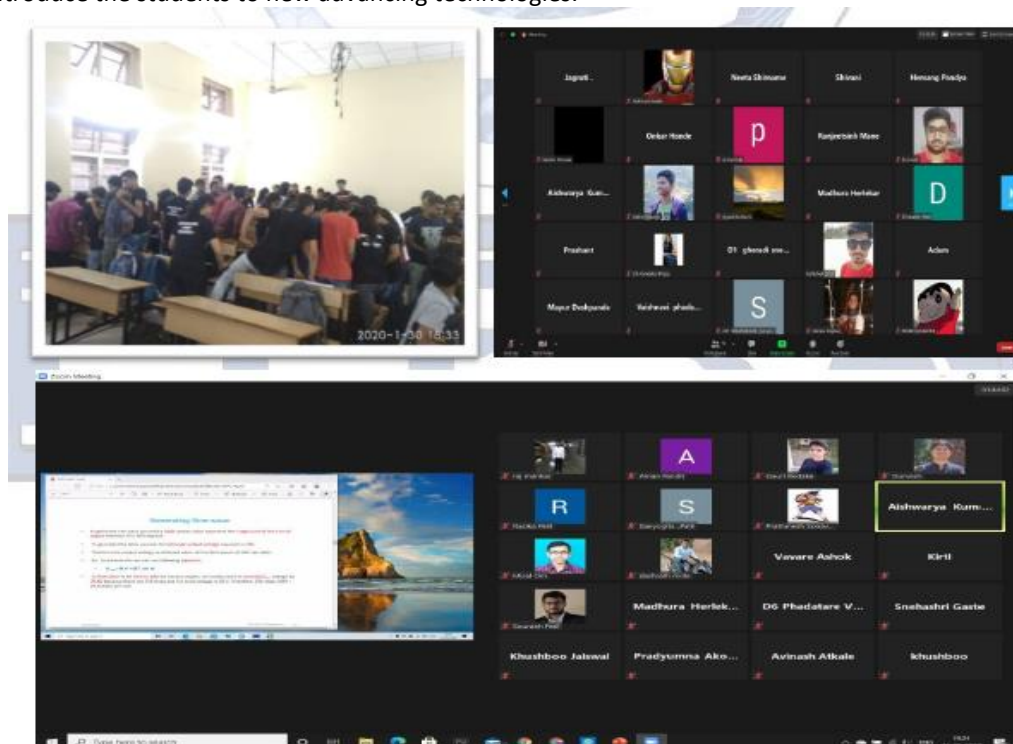
**14. Activity Name: SuperTronics [FE SPECIAL EVENT]**

The whole event is designed by first-year students as they get the opportunity to show their creativity and put forth their innovative ideas and bring something new out of themselves.



**15. Activity name: CLUB SERVICE**

ELESA conducts Club Service once in a week on Monday or Thursday. The main aim of the Club Service is to help the students to introduce the students to new advancing technologies.



## Mechanical Engineering Students' Association-Mechanical Engineering Students' Chapter (MESA-MESC)

### 1. Activity Name: General Interest Meet

The tradition of introducing the club to the first-year students MESA MESC organized a General interest meet on 21st February 2021 on zoom platform.

### 2. Activity Name: Weekly Club Services

Weekly club services were conducted by MESA MESC on weekends over the Google meet online interactive platform and conducted 6 club services which were a blend of technical sessions, soft skill development, aptitude and interactive sessions.

### 3. Activity Name: Club Service Content

Various sessions are conducted under this activity such as Personality development session, verbal and writing skills development, technical development session, aptitude development session, group building activities.

### 4. Activity Name: Interactive Sessions by Alumni and Industry Experts

These sessions were open to all students of mechanical engineering department and provided an opportunity for students to understand the industrial atmosphere and have their career related queries, answered by few of the key position holders from the field.

### 5. Activity Name: VERTEX

MESA-MESC arranges VERTEX every year in order to help student test their various skills in a healthy competition. Various events such as ELECTUS, TECHNOBUZZ, ASTRIA, PRESENTATIO, CADVENGERS, ENTREVISTA.

**Walchand College of Engineering, Sangli**  
(An Autonomous Institute)

Mechanical Engineering Students' Association Mechanical Engineering Students' Chapter

# VERTEX '21

Discovering Talent Exploring Intelligence...  
A STATE LEVEL TECHNICAL SYMPOSIUM

**PRIZES WORTH RS. 7000/-**

**27th & 28th MARCH**  
9:00 am onwards

**Payment Details :** Pay Akshada Karade (8275181535)

For Registration and more details visit : <https://bit.ly/vertex21>

Event Name	Entry Fee - Rs.	Max. Participants	Contact
CADVENGERS	Rs. 40	1	Mukul : 9685034072, Charwak : 8888239780
PRESENTATIO	Rs. 30 (male), Rs. 30 (female)	2	Swarnap : 9821807177, Sonawade : 8007758812
ASTRIA	Rs. 40	1	Jankvi : 7378791123, Bhat : 8788468403
TECHNOBUZZ	Rs. 40	1	Dejal : 7082432215, Jeyraj : 9736879100
ENTREVISTA	Rs. 40	1	Mandar : 7741006769, Arbhett : 8890091512
ELECTUS	Rs. 40	1	Anand : 9822975712, Akhanda : 8329207051

Director Dr. P. H. Sawant	Dean Prof. A. B. Surve	HOD Mechanical Dr. K. H. Inamdar	Staff Coordinator Prof. P. A. Mane	President Mr. Swaroop Sawant	Vice President Ms. Jashvi Harne
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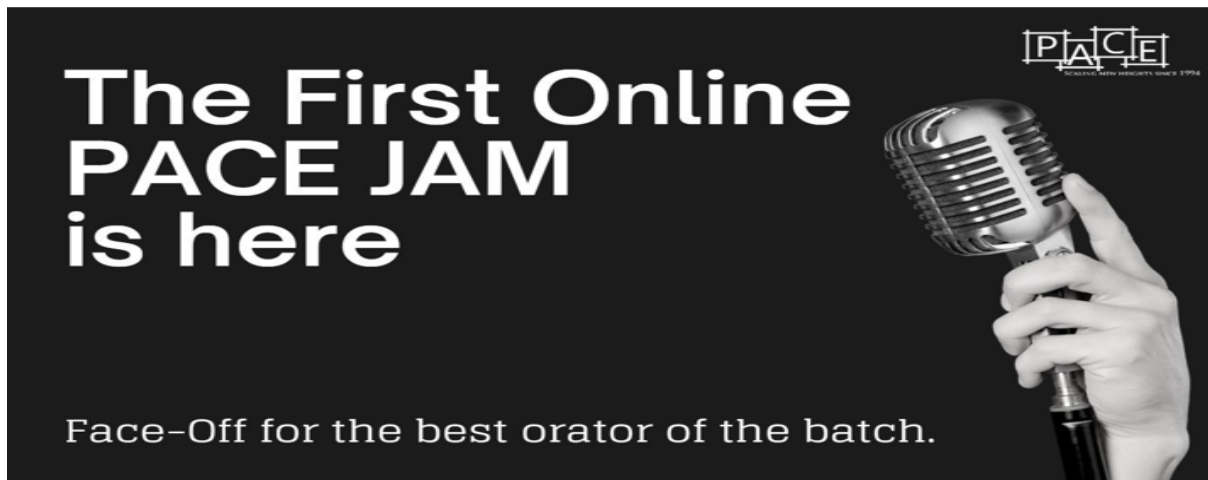
## 6. Activity Name: MESA-MESC Mechanical dictionary

MESA-MESC took an initiative to make everyone with general terms of mechanical engineering and hence members of the club made short 30 sec videos explaining a certain word or a term used in mechanical engineering.

## Personality Advancement Circle of Engineers (PACE)

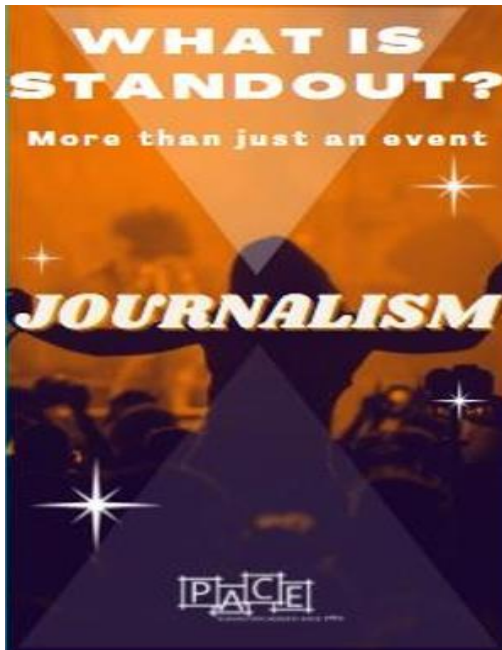
### 1. Activity Name: General Interest Meet

This event was conducted by the members of PACE on the 28th of February 2021. The main objective was welcoming the FE's and introducing them to PACE and No. of Attendees are 98.



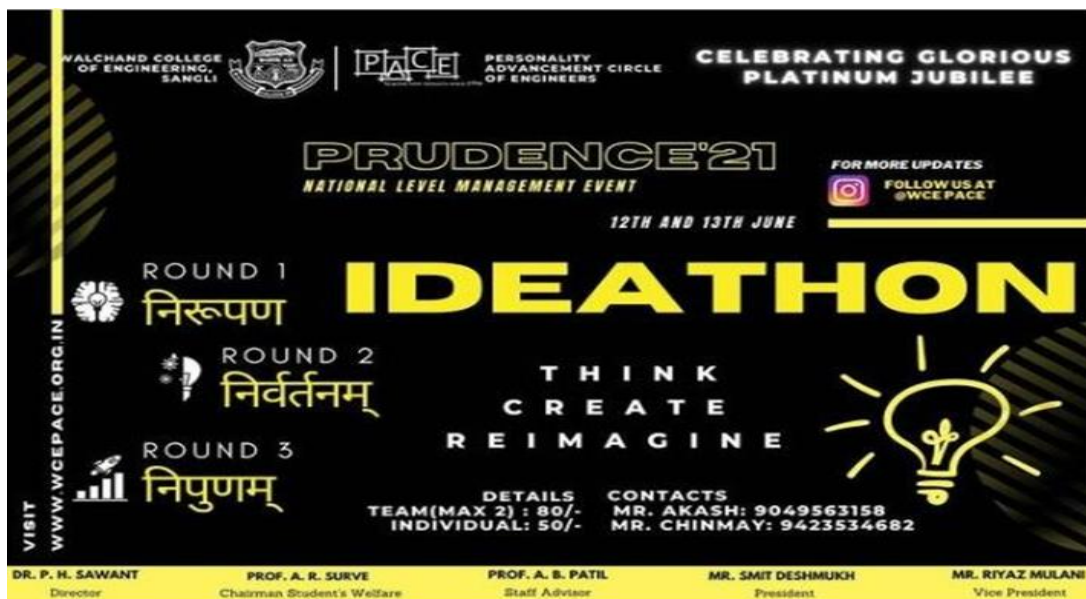
### 2. Activity Name: Standout

Stand Out is an FE special event. The focus of this event is on the process of self-learning and analyzing through various rounds, which was conducted on 14 April 2021.



### 3. Activity Name: Prudence

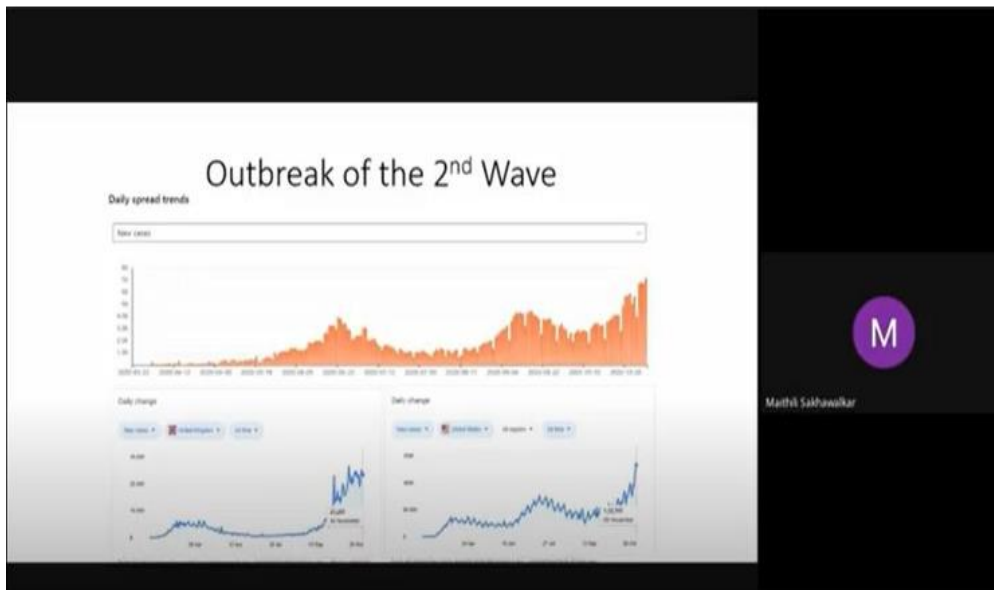
Prudence is the mega event of PACE. In this academic year, this event had 3 sub-events – first was Ideathon which was conducted on 12<sup>th</sup> & 13<sup>th</sup> of June, second was personality prism which was on 11th-13th June 2021, and last was Alpha managers on 12<sup>th</sup> and 13<sup>th</sup> June.



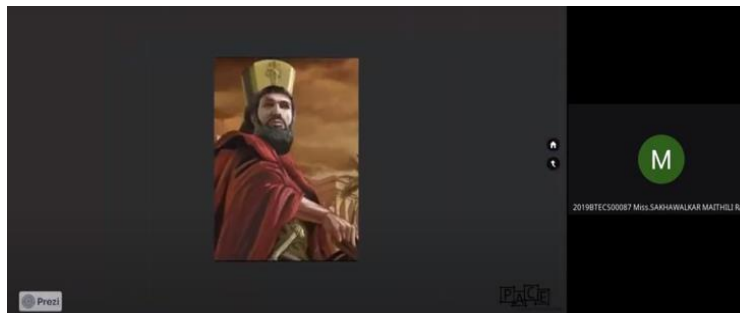
### 4. Activity Name: Club Services

Total number of club services conducted in 2020-21 – 4

**The Threshold** conducted on 08/11/2020, the Threshold was a club service that emphasized the fact of being at the threshold which means new beginnings.



5. **Ekatwam** conducted on 13/12/2020, Ekatwam was conducted to increase the awareness of human rights among the masses.



6. **Let's talk neurons** conducted on 21/03/2021 'Let's talk neurons' was a club service conducted to emphasize the importance of mental health in our lives.



7. **Beyond the Acads** conducted on 11/04/2021 'Beyond the Acads' was a club service conducted to emphasize the importance of co-curricular and extra-curricular activities in our lives.



## ROTARACT CLUB OF WCE, SANGLI

### 1. Activity Name: CLUB SERVICE AVENUE

Under this, Fe Orientation Meet and General Interest Meet was held on 11th March 2021. It being the first step of first-year students into the professional course, **Rotaract Club of WCE Sangli** welcomes first-year students with lots of recreational and productive activities through the FE Orientation Meet.



### 2. Activity Name: PROFESSIONAL DEVELOPMENT SERVICE AVENUE

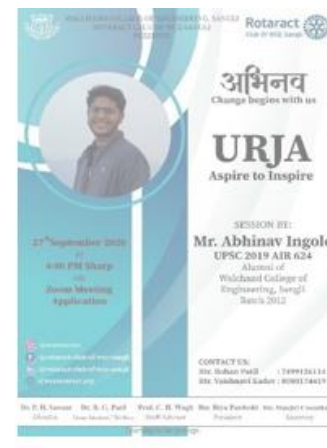
Under this, GET - IT (Graduate Engineers' Test and Interview Techniques) event was organized. Different activities are to be taken such as Aptitude Test on 7<sup>th</sup> & 8<sup>th</sup> March 2021, Group Discussion on 16<sup>th</sup> & 17<sup>th</sup> March 2021, Surprise Round on 24<sup>th</sup> & 25<sup>th</sup> March 2021 and Personal Interview was conducted between 28<sup>th</sup> March to 11<sup>th</sup> April 2021.





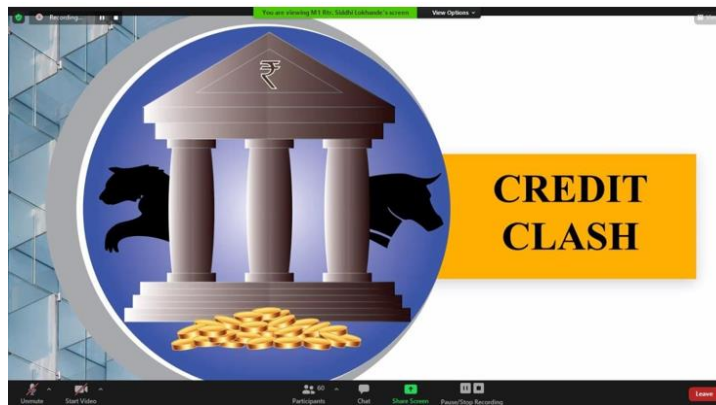
### 3. Activity Name: COMMUNITY SERVICE AVENUE

Under this, अभिनव: event was organized in which different activities were taken such as Akriti – Opportunity to Create Something for the Creator on 15<sup>th</sup> August 2020 to 31<sup>st</sup> August 2020, then संवेदना: activity was held from 13<sup>th</sup> to 15<sup>th</sup> August on the occasion of 74th Independence Day and URJA – Aspire to inspire was held on 24th September 2020.



### 4. Activity Name: INTERNATIONAL SERVICE AVENUE

Under this, 'Credit Clash - Others' Risk, Your Opportunity!' was conducted on 8th & 9th May 2021. Activities of the first day 3 sessions of the event were based on the banking sector. Here participants were divided into 16 teams.



**5. Activity Name: WEEKLY ACTIVITIES**

Under this, GENERAL BODY MEET (GBM) and PROFESSIONAL DEVELOPMENT MEETS (PDMs) events were organized where different activities were taken like Group Discussion, Debates, negotiation, etc.

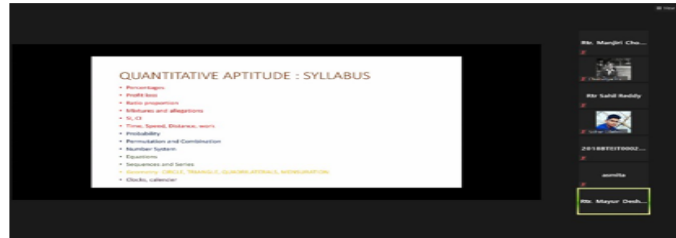




**Compound Interest- Definition and Key Formula**

	Year 1	Year 2	Year 3	Year 4
Principal	1000	1100	1210	1331
Interest	100	110	121	133.1
Amount	1100	1210	1331	

At the end of each year, amount = Principal at beginning of the year +10 % of that principal Or  $1.1 \times$  principal at beginning of the year



## STUDENTS' ASSOCIATION OF INFORMATION TECHNOLOGY (SAIT)

### 1. Activity Name: World Students' Day Celebration

Conducted on 15 Oct. 2020 and students from IT department participated.



### 2. Activity Name: Techfusion 2k21

Conducted on 13/03/2020 & 14/03/2020. This event included both technical and non-technical competitions. Students from nearby colleges participate in this competition.

Technical events conducted under this were Code-crush, code-X, Cloud Computing Workshop.

Non-technical events were Paper tweet and Quest for Survival.

Atharv Kulkarni is presenting

## Recent Trends In Automobile Technologies

Presented By:  
Mr. Atharv M. Kulkarni  
Department of Mechanical Engineering,  
SVERI's College of Engineering, Pandharpur  
Mr. Sharad A. Tone  
Department of Mechanical Engineering,  
SKN Sinhgad college of Engineering, Pandharpur

Meeting details: People (14) Chat

Messages:

- You: 2:42 PM: I will be good if you respond atharv
- You: 2:47 PM: vedanti you can proceed
- You: 2:52 PM: check for your mic
- You: 3:00 PM: can you please switch on camera
- poorja patil: 3:15 PM: it still breaking
- Vedanti Hamand: 3:16 PM: Jarvi you are not audible
- Sarika Dategar: 3:20 PM: can we start?
- poorja patil: 3:21 PM: Just wait
- Next is your turn
- poorja patil: 3:22 PM: Sarika next is your turn

### 3. Activity Name: GIM

SAIT organizes a G.I.M. every year which is a formal welcome of the newly admitted first year IT engineering students at our college.

### 4. Activity Name: Alumni Talk

SAIT organized alumni talk for the increasing the interaction of students with our alumni.

# CONNECT TODAY SUCCEED TOMORROW

SAIT

## What is full stack development and Entrepreneurship?

- **KEY POINTS OF SESSION :**
  - What is freelancing /Entrepreneurship ?
  - Why Entrepreneurship ?
  - What is stack developer ?
  - What are the skill for full stack developer ?
  - How to become full stack developer ?
- **SPEAKER :**  
**Manish Nikam**  
Full Stack Developer,  
Vertical Fox

18 October 2020 4:00 PM GOOGLE MEET

### 5. Activity Name: Club Services

Club services are conducted weekly to boost the knowledge of the participants. It delivers sessions on technical knowledge with interesting non-technical activities.

## STUDENT'S ORGANISATION FOR TECHNICAL ACTIVITIES (SOFTA)

### 1. Activity Name: Platinum Jubilee Year Opening Ceremony

This year Walchand College of Engineering, Sangli entered in its Platinum Jubilee Year. To celebrate this milestone, our institute organized, Opening Ceremony of the Platinum Jubilee Year of the institute on 23<sup>rd</sup> June 2021.



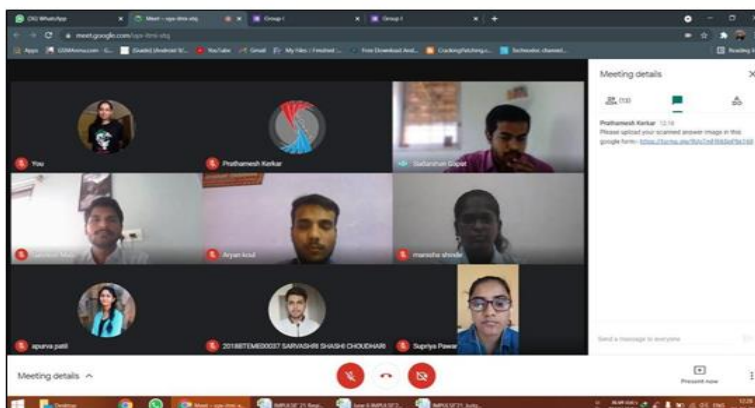
### 2. Activity Name: Logo Design Competition

SOFTA successfully organized a logo design competition which was open to present and former students of institute.

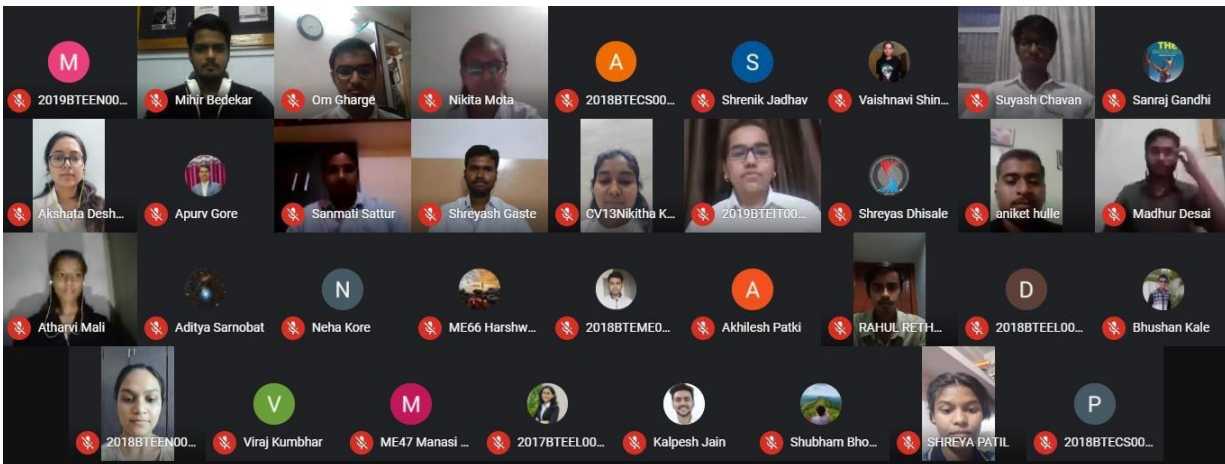


### 3. Activity Name: Events of Softa

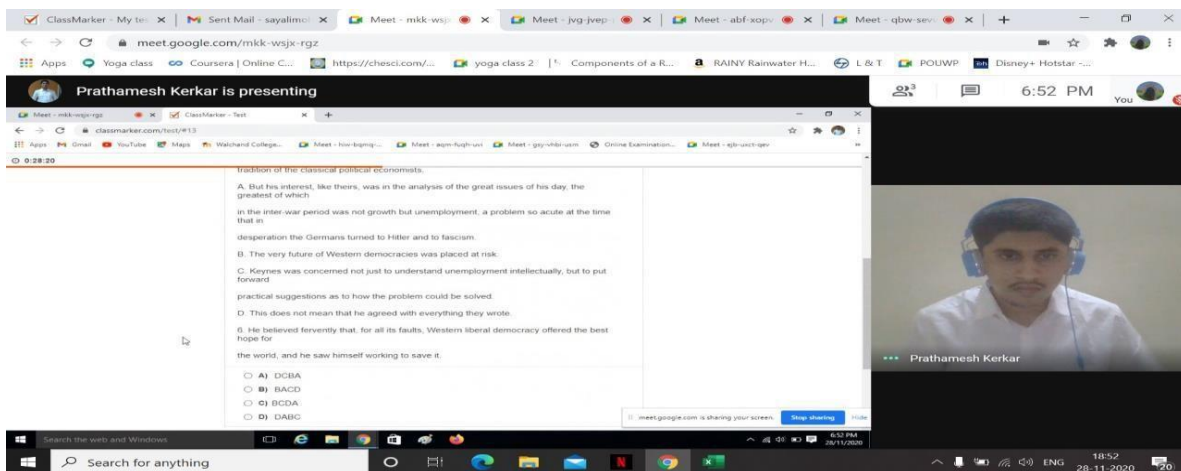
IMPULSE 2021 was conducted virtually on 6<sup>th</sup> June & 13<sup>th</sup> June 2020. 70 members participated in the impulse.



**Mini Intra** was held from 11th to 18th April 2021. A book publishing house theme was designed and almost 50 participants enjoyed the event.



**Caliber** was held on 6th and 13th December. Around 30 members participated in the event. It was of rounds including Aptitude test, Group discussion, HR interview and Technical interview.



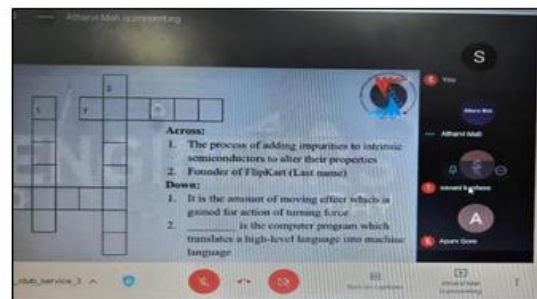
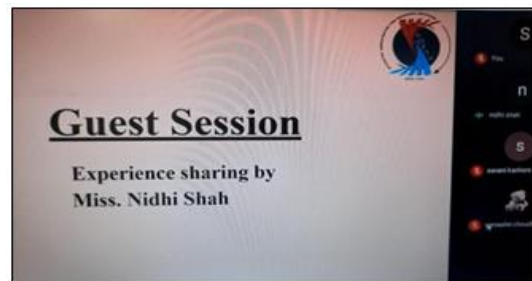
**Guest Sessions** Total 4 guest sessions were organized by SOFTA this academic year and tried to cover the maximum fields of interest a student may have.



**General Interest Meet** Every year SOFTA conducts General Interest Meet for First year students. This year it was conducted in an online mode on 7th March 2021.



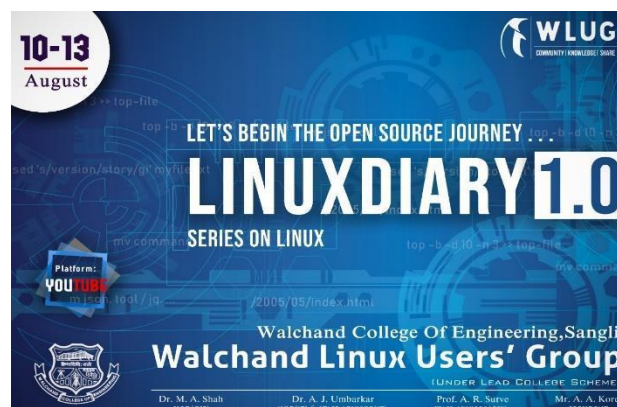
4. **Activity Name: Club service** is a platform where students from all years can participate to enhance their soft skills like eloquence, teamwork, time management, etc. Due to the pandemic situation, all the club services in the year 2020-2021 were held in virtual mode. Total 11 club services were held by SOFTA's club service department this academic year.



## Walchand Linux Users' Group

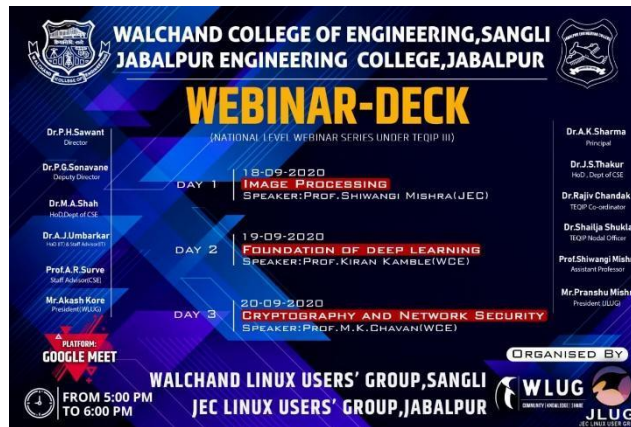
1. **Activity Name: Linux Dairy**

Linux-Diary 1.0" was organized in Third week of August on fundamental of Linux



**2. Activity Name: Webinar Deck**

This event was organised by WLUG and JLUG held in third week of September 2020.



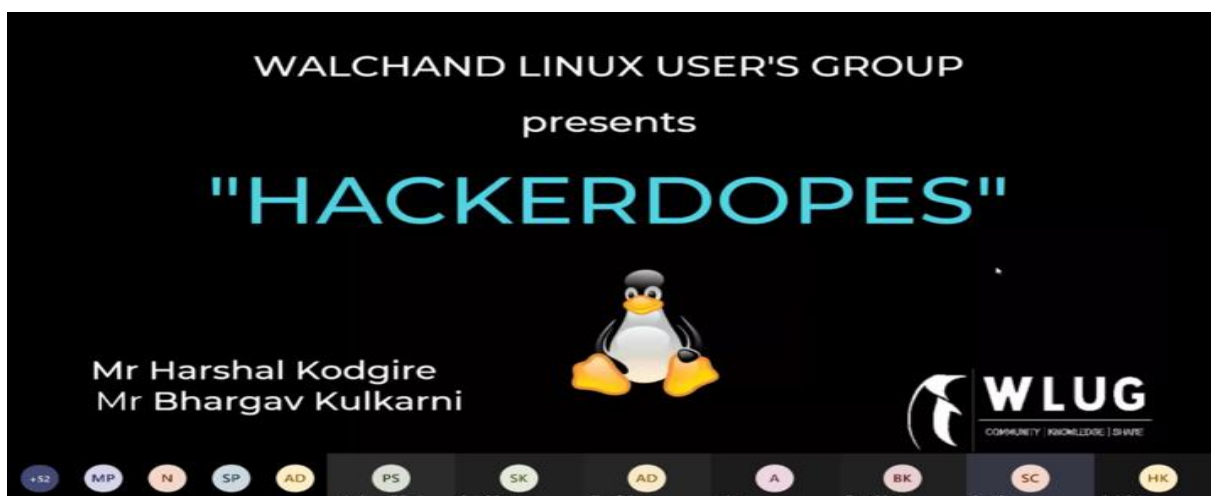
**3. Activity Name: Metamorphosis**

This is the first mega-event of Walchand Linux Users' Group which was held in November 2020



**4. Activity Name: Weekly Club Services**

WLUG conducts club service on every Thursday and organised total 18+ club services for all UG students. Some of the club service topics are Linus Torvalds Inventions, Editors and basic Linux Commands, Hacking (Hackerdopes), Virtualization, Containerization, Word-press, Big Data etc.







**3.6 Gymkhana Activities:** Nil due to Covid 19

## 4. OUTREACH AND INCLUSIVITY

### 4.1.1 FDP/Training Program/Guest Lecture organized by Faculty and Staff:

#### Activities Conducted:

Civil Engineering			
SN	Name of Event	Name of Event Coordinator	Date of Event
1	A two Days workshop on "Use of AI in Construction Industry" by Mr. Ajinkya Bawase , Founder Feynman Innovations Pvt.Ltd.	Dr. S. N. Tande	29 and 30 November 2021
2	Student chapter- Indian society for Structural engineering	Dr.V.S.patil	15 September 2020 to 15 september 2021
3	Concrete Mix Proportioning - A Codal Provisions of IS 10262: 2019	Dr.A.K.Mali	26th May 2021
4	Mentoring Programme to guide for SMKC contractor	Dr.A.K.Mali	30 November 2019
5	Guest lecture on Concrete Technology by Mukund Joshi	Dr.A.K.Mali	17 November 2021
6	Parent's Meet	Dr.A.K.Mali	24 November 2021
7	One Week Online Faculty Development (FDP) ON "Geosciences in Engineering" (GiE 20)	Mr. P.K. Deshpande	9 to 13 June 2020
8	One Week Online Faculty Development (FDP) ON "Geosciences in Engineering" (GiE 20)	Mr. P.K. Deshpande	9 to 13 June 2020
9	Expert Sessions on "Petrology, Structural Geology, Physical Geology, PGE and Roll of EG in Dams and Reservoirs" in PCCoE, Pune	Mr. P.K. Deshpande	25 to 27 August 2021
10	Guest Lecture on occasion of „World Environment Day“ by Dr. S. S. Shaha, KIT Kolhapur at WCE, Sangli	Mr. P.K. Deshpande	5 June 2021
11	Powerpoint Presentation Competition organized by WCE, Sangli and SMK Corporation under माझी वसुंधरा अभियान	Mr. P.K. Deshpande	25 November 2021
12	Webinar "Advancing Research with IEEE Resources" by Shri. Gaurav Date	Mr. P.K. Deshpande	17 April 2021
13	Delevered a lecture in Spandan Group (Group of Civil Engineers), Pune	Mr. P.K. Deshpande	5 August 2021

Mechanical Engineering			
SN	Name of Event	Name of Event Coordinator	Date of Event
1	Recent trends in heat exchangers (RTHX), (FDP under TEQIP- III)	Dr. B. S. Gawali, Mr. A. S. Patil, Mr. D. B. Pawar	13-18 July 2020
2	Electro-mechanical system (FDP under TEQIP-III)	Dr. B. S. Gawali Mr.S. M. Arali, Mr. G. R. Undale	20-25 July 2020
3	Career Guidance and Counselling program for final year B.Tech Mechanical Engineering Students (Program under TEQIP-III)	Dr.B.S.Gawali Mr. A.S. Bhandare, Miss. N.S. Nagmoti	27-31 July 2020
4	Digital Transformation and Pedagogies (National level workshop under TEQIP III in co-ordination with GCE, Karad)	Dr. B. S. Gawali Mr. S.M. Arali, Mr. A.S. Patil	10-14 August 2020
5	Finite Element Analysis of Manufacturing Process (In twinning with Jabalpur Engineering College, Jabalpur)	Dr. K. H. Inamdar	3 October 2020

6	Online seminar on Piping Engineering in a distance mode	Mr. Suhas Jagtap	29 July 2020
7	Webinar on Introduction to industry 4.0 & Its impact on Indian manufacturing industry	Mr. P. A. Mane	16 October 2020
8	National webinar on Industrial Journey – A walk through (In twinning with Jabalpur Engineering College, Jabalpur)	Mr. R. M. Chanmanwar	17 October 2020
9	Industry Institute Interaction (WCE MESA-MESC activity)	Dr.B.S.Gawali Mr. P.A. Mane	8 November 2020
10	HVAC Trends and Opportunities (Sponsored by ISHRAE Kolhapur-Sangli, Subchapter)	Dr.B.S. Gawali Mr.G.R.Undale Mr. A. S. Patil	3 November 2020
11	Industry Institute Interaction (WCE MESA-MESC activity)	Dr.B.S.Gawali Mr. P.A. Mane	6 December 2020
12	Program under Seed funding Make in India/Innovation: Design and Development of Cabinet type solar Dryer	Mr. S. D. Jagtap	20 December 2020
13	Advance welding technology & career opportunity in advance manufacturing & industry 4.0 – the untold success	Mr.J. M. Dabir, Miss.N.S. Nagmoti	21 October 2020
14	Webinar on Application of Finite Element Analysis in Industry	Dr. Maruti M. Khot	11 December 2020
15	Webinar on Industrial product design	Dr. Maruti M. Khot	29 December 2020
16	VERTEX annual technical event	MESA-MESC Mr. P. A. Mane	27 and 28 March 2021

Electrical Engineering				
SN	Name of Event	Details of Event	Name of Event Coordinator	Date of Event
1	Webinar on Financial Feasibility and Business Strategy for Solar EPC Projects.	Organized by Electrical Engg. department in collaboration with JEC, Jabalpur.	Mr. R.G.Datar	December 2020
2	Expert lecture on NBA CO-PO assessment and attainment.	Organized by Electrical Engg. Department and lecture were delivered by Prof. Dr. V. S. Bandal, Principal Govt. Polytechnic, Pune.	Mr. R.P. Hasabe Mr. S.S.Karvekar	December 2020
3	One week Skill Development Workshop on Solar Technology, EV System and Automation twinning with JEC, Jabalpur	Organized by Electrical Engg. department in collaboration with JEC, Jabalpur.	Mr. R.P. Hasabe Mr. S.S.Karvekar	February 2021
4	Power Training Programme for Fundamental Industrial Electrical Skills.	Organized by Electrical Engg. department in collaboration with TATA Power	Mr. R.P. Hasabe Mr. S.S.Karvekar	March 2021

Electronics Engineering				
SN	Name of Event	Details of Event	Name of Event Coordinator	Date of Event
1	To organize online workshop on PCB design at WCE Sangli	Prashant Devtale IABEX, Pune	Dr. Mrs. A. A. Agashe	28 to 29 August 2020
2	To organize workshop on outcome-based education: A special emphasis on attainment of higher order POs: Sangli (Twinning activity WCE	Twinning Activity WCE and JEC Jabalpur	Dr. Mrs. A. A. Agashe	25 September 2020

	and JEC)			
3	To organize online guest lecture on "Unlocking the Opportunity by unboxing the mind power"	Dr. Dilip Patawardhan Nandadeep Netralay, Sangli	Dr. Mrs. M. M. Patil	7 November 2020
4	To organize workshop on IoT through virtual mode	Elmac Engineering Services, Pune	Dr. S. D. Ruikar	14 to 18 December 2020
5	To organize workshop on 5G and Wireless Technologies through virtual mode	Elmac Engineering Services, Pune	Dr. S. D. Ruikar	10 to 14 March 2021
6	To organize webinar on Matlab Software through Virtual mode	Design Tech System Ltd. Pune	Dr. S. D. Ruikar	8 to 12 December 2020

CSE Engineering				
SN	Name of Event	Details of Event	Name of Event Coordinator	Date of Event
1	Two Days Workshop organized- Research Skill development	Organized by CSE department	Mrs. H. V. Gandhi	29 to 30 August 2020
2	Workshop organized- Erdas Imagin-2020 Remote sensing and Image processing Software	Organized by CSE department	Dr. N. L. Gavankar Ms. A. S. Pawar	24 to 28 August 2020
3	Webinar on "Fundamentals of Deep Learning" in National level Webinar-Deck	organized by Walchand college of engineering Sangli and Jabalpur engineering college, Jabalpur	Mr. K. P. Kamble	19 September 2020
4	1 Day workshop on Fundamentals of Web Security	Organized by CSE department	Ms. A. S. Pawar Mr. S. S. Sontakke	24-12-2020
5	Deep Learning Basic to Advanced	Organized by CSE department	Mr. Kiran P Kamble Ms. Pooja D. Mundada	1 March to 4 April 2021
6	Python for Everyone	Organized by CSE department	Mr. S. D. Pujari, Ms. A. T. Umrani	1 to 31 March 2021
7	Fifth National Research Symposium on Computing (RSC) 2020-21	Organized by CSE & IT department	Dr. M. A. Shah (Convener)	19 to 21 March 2021
8	WCE Hackathon 2021	Organized by CSE department	Dr. M. A. Shah (Staff Advisor)	9 to 11 July 2021

IT				
SN	Name of Event	Details of Event	Name of Event Coordinator	Date of Event
1	Expert lecture	Deep Learning Topic: GAN	M. B. Narnaware	4 November 2020
2	Expert lecture	Discrete Mathematic: Graph Theory 1	M. B. Narnaware	23 November 2020
3	Expert lecture	Artificial Intelligence Topic Game Playing	M. B. Narnaware	30 November /2020
4	Expert lecture	Data structures	B. S. Shetty	27 November 2020

## 4.1.2 Guest Lecture Organized by Faculty:

Mechanical Engineering				
SN	Name of Faculty	Place	Subject	Date of Lecture
1.	Dr. B. S.Gawali	WCE Sangli	HVAC For Commercial Building	11 November 2020
2.	Prof. J. M. Dabir	WCE Sangli	Rapid Prototyping [3D printing]	14 December 2020
3.	Prof. N. S. Nagmoti	WCE Sangli	Vibration Measuring Instruments	18 December 2020
4.	Prof. P.A. Mane	WCE Sangli	Operation Management in Manufacturing	19 December 2020
5.	Dr. M. M. Khot	WCE Sangli	Rotor Dynamics using FEM	24 December 2020
6.	Prof. P. D. Maskar	WCE Sangli	GATE Preparation strategies for Mechanical Engg. Students	23 December 2020
7.	Prof. J. M. Dabir	WCE Sangli	Importance of German as a Foreign Language and Career Opportunities in Germany and other EU Countries	24 December 2020
8.	Prof. P.A. Mane	WCE Sangli	Guest session on Entrepreneurship	30 January 2021
9.	Prof. P.A. Mane	WCE Sangli	Automotive Product Design and Development	6 February 2021

Electrical Engineering				
SN	Name of Faculty	Place	Subject	Date of Lecture
1.	Mr. R.G. Datar	WCE, Sangli	Guest Lecture on "Future in Solar Power Industry and Entrepreneurship Challenges by Shrirang B Kulkarni" Google Meet (Twining with JEC, Jabalpur).	24 December 2020
2.	Dr. R. P Hasabe Mr. S. S. Karvekar	WCE, Sangli	Guest Lecture on "CO-PO attainment for NBA under TEQIP-III" by Dr. V. S. Bandal	4 to 5 December 2020
3.	Dr. A. P. Vaidya	WCE, Sangli	Webinar on "Electricity Tariff and understanding residential bill"	19 August 2020

Electronics Engineering				
SN	Name of Faculty	Place	Subject	Date of Lecture
1.	Dr. Mrs. A. A. Agashe	WCE Sangli	Dr. N. V. Shivprakash "A Webinar on NEP2020"by	9 March 2021
2.	Mrs. M. R. Khare	Online lecture for FY M Tech Students	Ms. Amruta Patil(SY MTech Student)- Importance of Embedded Linux Programming in Industry	26 March 2021

CSE Engineering				
SN	Name of Faculty	Place	Subject	Date of Lecture
1.	Mrs. H. V. Gandhi	WCE Sangli	Research Skill Development	30 August 2020
2.	Mr. A. R. Surve, Mr. S. D. Pujari	WCE Sangli	Exploring Software Engineering Tools: IT Industry Essentials	08 June 2021
3.	Mr. A. R. Surve	WCE Sangli	OS Synchronization Algorithms and Dead Locks	14 May 2021

## 4.1.3 Events Attended by Faculty:

Civil Engineering			
SN	Name of Event	Name of Faculty	Date of Event
1.	“Techno– Economic Solution for Sustainable Municipal Solid Waste Management for Development of Smart Cities in India” (Phase- III) Short Term Training Program organized by Department of Chemical Engineering IPS Academy Indore Institute of Engineering & Science (A UGC utonomous Institute, Affiliated to RGPV, Bhopal)	Dr. P. G. Sonavane	15 September 2020 to 15 September 2021
2.	Introduction to Engineering Mechanics - Georgia Institute of Technology	Dr. S. N. Tande	5 to 9 April 2021
3.	Role of civil engineering in mitigating post covid-19 challenges, FDP organized by PVPIT	Dr. P. K. Sohoni	2 May 2020 to 5 June 2020
4.	Fundamentals of Construction Materials, Technology and Management	Dr. A. K. Mali	20-24 July 2020
5.	GEO-SCIENCES IN ENGINEERING 2020 (GiE20’)	Dr. A. K. Mali	6 to 10 January 2020
6.	Digital transformation in teaching and learning process	Dr. A. K. Mali	9 to 13 June 2020
7.	Recent Trends in Concrete Technology	Dr. A. K. Mali	6 to 22 April 2020
8.	International Conference on Innovative teachnologies for clean and sustainable development	Dr. A. K. Mali	19 to 21, February 2020
9.	Soil-Structure Interactions and Its Applications	Dr. A. K. Kokane	31 August to 11 September 2020
10.	Advances in Geotechnical and Transportation Engineering (AGTE 2020)”	Dr. A. K. Kokane	20 to 24 August 2020
11.	Two-week online course on "Basic Principles of Remote Sesing" organized by IIRS-ISRO, Dehradun.	Mr. P.K. Deshpande	13 to 25 April 2020
12.	Effective Engineering Teaching in Practice	Dr. G.R. Munvalli	2 February to 7 June 2020
13.	Integrated waste management for a smart city	Dr .G.R. Munvalli	July to October 2021
14.	Modelling of water distribution systems in one week FDP	Dr. G.R. Munvalli	17 to 21 August 2020
15.	One day workshop on Outcome based education and NBA Tier I preparation	Dr. G.R. Munvalli	26 September 2021
16.	Guest Lecture on Sludge Digestion to Diploma students at WCE.	Mr. B.R. Kavathekar	23 July 2020
17.	Successfully completed workshop on ‘Effective and Efficient Online Teaching in the Age of Corona, A Hands-on Workshop’ (inclusive of 3 days video lectures and hands on work as pre and post workshop activities) organised by ICT, IIT Bombay funded by PMMMNMTT, MHRD, Govt. of India.	Dr. K.S .Ghumaste	16 May 2020
18.	Participated in one-week TEQIP III online FDP on ‘Geo Sciences in Engineering 2020’ organised by Dept. of Civil Engineering, Govt.College of Engg., Karad and Walchand College of Engg., Sangli.	Dr. K.S .Ghumaste	9 to 13 June 2020
19.	Attended one-week National Workshop on ‘Digital Transformation & Pedagogies’ organized by GCOE, Karad & WCE, Sangli, sponsored by AICTE and TEQIP III.	Dr. K.S. Ghumaste	10 to 14 August 2020
20.	Resource Person for One-week Online Workshop on ‘Seismic Analysis of Multistoreyed RC Buildings using SAP 2000 and ETAB’, to deliver Lecture on ‘Earthquake Resistant Masonry Structures (23.7.20), organized from 22 - 26 July 2020 by Dept. of Civil Engg., Walchand College of Engg., Sangli.	Dr.K.S.Ghumaste	23 July 2020
21.	Resource Person for One-week Online AICTE Training and Learning (ATAL) Academic One week FDP on Green Technology and	Dr.K.S.Ghumaste	26 November 2021

	Sustainable Engineering 25-29 Nov 2021, organized by Dept. of Civil and Environmental Engg., Kolhapur Institute of Technology (Autonomous) Kolhapur.		
22.	An advanced course on "Seismic Damage Mitigation of Structures" (SDMS-2021) Conducted by CSIR-SERC, Chennai, During 1-3 December 2021	Mr. B. B. Sawant	1 to 3 December 2021
23.	One Week AICTE-ISTE refresher course on "Repair Rehabilitation and Retrofitting of RCC structures" Conducted by ADCET Ashta.	Mr. B. B. Sawant	20 to 27 January 2021

Mechanical Engineering				
SN	Name of Event	Details of Event	Name of Faculty	Date of Event
1.	Digital Transformation in Teaching Learning Process	STTP	Mr. P. A.Mane, Mr. R. M. Chanmanwar, Mr. A.S. Bhandare, Mr.S. D. Jagtap, Dr.K. H. Inamdar, Dr. S. U. Sapkal, Dr. S. V.Gaikwad, Dr. M. M. Khot Mr.J. M. Dabir Mr.P.D. Maskar, Mr. V. V. Dhende, Mr. A.B. Admuthe	6 to 22 April 2020
2.	Spoken Tutorial Technology	FDP	Mr. S. M. Arali	3 to 9 May 2020
3.	Intellectual Property Rights Process	Webinar	Mr. A. S.Bhandare, Mr.S. M. Arali, Mr. P.D. Maskar, Mr. V. V. Dhende Miss. N.S. Nagmoti Mr. G. R. Undale	22 May 2020
4.	Basics of AI and Machine Learning & a Few Real-Life Examples	Webinar	Mr. A. S.Bhandare, Mr.S. M. Arali, Mr. V. V. Dhende, Miss. N. S. Nagmoti Mr. G. R.Undale	23 May 2020
5.	Impact on Youth before & after COVID-19	Webinar	Mr. A. S.Bhandare	25 May 2020
6.	How to Balance Academics and Administrative Work	Training Program	Mr. A. S.Bhandare, Mr.S. M. Arali, Mr.P.D. Maskar	25 May 2020
7.	Promoting Quality Culture in Technical Institutions	FDP	Mr. D. B.Pawar	25 to 29 May 2020
8.	Python3.4.3	FDP	Mr. S. M.Arali, Mr. V. V. Dhende, Miss.N. S. Nagmoti Mr. G. R. Undale, Mr. P.D. Maskar	25 <sup>th</sup> -30 <sup>th</sup> May, 2020
9.	Life Cycle Analysis for Sustainability	STTP	Mr. A. S.Bhandare, Mr.S. M. Arali, Mr.P.D. Maskar, Mr. V. V. Dhende Miss. N.S. Nagmoti Mr. G. R. Undale	27 <sup>th</sup> -31 <sup>st</sup> May, 2020
10.	Career Prospects in Mechanical Engineering after Covid -19	Webinar	Mr. S. M. Arali	30 <sup>th</sup> May, 2020
11.	Problem Based Learning	FDP	Mr. S. M. Arali	1 <sup>st</sup> -5 <sup>th</sup> June, 2020
12.	Renewable Energy, Vibration, Contact Management Strategies,	Webinar	Mr. S. M.Arali, Miss. N.S. Nagmoti, Mr. G. R. Undale	4 <sup>th</sup> June, 2020
13.	Biodiversity	Webinar	Mr. S. M. Arali	5 <sup>th</sup> June, 2020
14.	Emotional Health in Corona Pandemic	Webinar	Mr. S. M.Arali, Mr.P.D. Maskar	5 <sup>th</sup> June, 2020
15.	Vibration Control of Rotating Machines	STTP	Mr. S. M.Arali, Mr. P. D. Maskar, Miss.N. S. Nagmoti Mr. G. R. Undale	8-12 June, 2020

16.	Manufacturing Practices and Industry 4.0	STTP	Mr. D. B.Pawar, Mr. S.M. Arali	8-12 June, 2020
17.	Stepping towards Problem and Project Based Learning for Academic Excellence	FDP	Mr. S. M. Arali	9-13 June, 2020
18.	FLOWNEX, Thermodynamic Design, Modeling, Simulation, Analysis & Optimization Software	Webinar	Mr. S. M.Arali, Mr. G. R. Undale	10 <sup>th</sup> June, 2020
19.	Outcome Based Education, NBA Approach	Workshop	Mr. S. M. Arali	11 <sup>th</sup> -12 <sup>th</sup> June, 2020
20.	5S Methodology for Lean Manufacturing	Webinar	Mr. D. B.Pawar	20 <sup>th</sup> June, 2020
21.	Transformation in Engine Technology (BSIV to BSVI) & Electric Vehicle	FDP	Mr. S. M. Arali	22 <sup>nd</sup> -27 <sup>th</sup> June, 2020
22.	Developing Thinking Abilities Relevant for Engineering Education	Webinar	Dr. S. U Sapkal	28 <sup>th</sup> April, 2020.
23.	LATEX	FDP	Dr. S. U Sapkal	11 <sup>th</sup> -15 <sup>th</sup> May 2020.
24.	Open-Source Tools for Research	FDP	Dr. S. U Sapkal	8 <sup>th</sup> -14 <sup>th</sup> June, 2020
25.	Mendeley	Training Course	Dr. S. U Sapkal	14 <sup>th</sup> June, 2020
26.	Importance of Association with Professional Societies for Outcome-Based Education	Webinar	Dr. S. U Sapkal	30 <sup>th</sup> April 30, 2020.
27.	Research Methodology Tools & Techniques	FDP	Dr. M. M. Khot	18 <sup>th</sup> -22 <sup>nd</sup> May, 2020
28.	Outcome Based Education and Accreditation	FDP	Dr. M. M. Khot	25 <sup>th</sup> -29 <sup>th</sup> May, 2020
29.	Effective and Efficient Online Teaching in the Age of Corona	Workshop	J. M. Dabir, Mr. A. B. Admuthe	23 <sup>rd</sup> May, 2020.
30.	Outcome Based Education Software	Webinar	J. M. Dabir	4 <sup>th</sup> June, 2020.
31.	Engineering Education & the Industry: A Post COVID-19 Perspective	FDP	J. M. Dabir	1 <sup>st</sup> -5 <sup>th</sup> June, 2020.
32.	Learning Management System (LMS)	FDP	J. M. Dabir	13 <sup>th</sup> -17 <sup>th</sup> May, 2020
33.	Recent Advances in Mechanical Engineering	FDP	B. N. Naik	8 <sup>th</sup> -13 <sup>th</sup> June, 2020
34.	Robotics	Webinar	P.D.Maskar, Miss. N.S. Nagmoti Mr.G. R. Undale	1 <sup>st</sup> June, 2020.
35.	Acoustics Engineering - An Effective Use of Sounds & Vibrations	FDP	P.D. Maskar	27 <sup>th</sup> -29 <sup>th</sup> May, 2020
36.	How to Balance Academics and Administrative Work	Webinar	Miss. N. S. Nagmoti Mr.G. R. Undale	25 <sup>th</sup> May 2020.
37.	Biodiversity	Webinar	Miss. N. S. Nagmoti Mr.G. R. Undale	5 <sup>th</sup> June, 2020
38.	Material, Design and Testing Webinar Series	Webinar	Mr. S. M.Arali, Miss. N.S. Nagmoti Mr. G. R. Undale, P.D. Maskar	6 <sup>th</sup> -12 <sup>th</sup> June 2020.
39.	Noise, Vibration and Harshness	Webinar	Miss.N.S.Nagmoti Mr. G. R. Undale, P.D. Maskar,	11 <sup>th</sup> -15 <sup>th</sup> June, 2020
40.	Engineering Education & the Industry: A post COVID-19 perspective	Webinar	Miss. N. S. Nagmoti, J. M. Dabir	1 <sup>st</sup> -5 <sup>th</sup> June, 2020
41.	Product Design & Novelty	FDP	Miss. N. S. Nagmoti Mr.G. R. Undale	6 <sup>th</sup> -10 <sup>th</sup> June, 2020
42.	How to write Research Manuscript: Current Protocols	Webinar	Miss. N. S. Nagmoti Mr.G. R. Undale	10 <sup>th</sup> June, 2020
43.	Future Materials: Nanocomposites	FDP	Miss. N. S. Nagmoti	15 <sup>th</sup> -21 <sup>st</sup> June,



				2020
44.	Biodiversity of Maharashtra	Webinar	Miss. N. S. Nagmoti Mr.G. R. Undale	05 <sup>th</sup> June 2020
45.	Sustainable Development for Atmanirbhar Bharat	Webinar	Miss. N. S. Nagmoti	06 <sup>th</sup> June 2020
46.	Exploring the Dimension of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Change	FDP	Mr. G. R.Undale	6 <sup>th</sup> -12 <sup>th</sup> June 2020.
47.	Artificial Intelligence (AI) and Machine Learning (ML)	Webinar	Miss. N. S. Nagmoti Mr.G. R. Undale	6th July, 2020
48.	Introduction to programming with MATLAB	Course	Miss. N. S. Nagmoti	7th July, 2020
49.	8D Problem Solving Methodology	Webinar	Miss. N. S. Nagmoti Mr.G. R. Undale	13th July, 2020
50.	Industrial Internet of Things (IIOT)	Webinar	Miss. N. S. Nagmoti Mr.G. R. Undale	25th June, 2020
51.	Social Psychology	Course	Mr. J. M. Dabir	11 <sup>th</sup> July, 2020
52.	Role of Materials and processing in additive manufacturing: 3D printing to industry 2020	FDP	Mr. S. V.Gaikwad	7th July, 2020
53.	Emerging Processes in Product Design and Development	webinar	Mr. S. U. Sapkal, Miss.N. S. Nagmoti Mr. G. R.Undale, Mr. J.M. Dabir	30 <sup>th</sup> April,2020
54.	Low frequency NVH Fundamentals and industrial applications	Webinar	Mr. S. U.Sapkal, Miss.N. S. Nagmoti Mr. G. R.Undale, Mr. J.M. Dabir	14 <sup>th</sup> May, 2020
55.	Integrated systems and Innovation in defense	Webinar	Mr. S. U.Sapkal, Miss. N.S. Nagmoti Mr. G. R.Undale, Mr. J.M. Dabir	21st May, 2020
56.	Rural eco system: Goldmine of Opportunities for students to make a mark	Webinar	Mr. S. U.Sapkal	28 <sup>th</sup> May,2020
57.	Transforming Infrastructure industry opportunities for students of all streams	Webinar	Mr. S. U.Sapkal	4 <sup>th</sup> June,2020
58.	Create your future through impactful Project	Webinar	Mr. S. U.Sapkal, Mr. J.M. Dabir	11 <sup>th</sup> June,2020
59.	Professional outlook necessary to make your Project attract industry attention	Webinar	Mr. S. U.Sapkal	13 <sup>th</sup> June, 2020
60.	Applications of AI and ML in core engineering streams	Webinar	Mr. S. U.Sapkal	25 <sup>th</sup> June, 2020
61.	Launching new product in 100 days from concepts to manufacturing	Webinar	Mr. S. U.Sapkal	18 <sup>th</sup> June,2020
62.	Factory automation and manufacturing automation	Webinar	Mr. S. U.Sapkal, Mr. J.M. Dabir	9 <sup>th</sup> July,2020
63.	Additive manufacturing and upcoming advances in this domain	Webinar	Mr. S. U.Sapkal	16 <sup>th</sup> July, 2020
64.	Career prospects for fresh engineers in electric vehicles domain and how to be industry ready for it	Webinar	Mr. S. U.Sapkal, Mr. J.M. Dabir	23 <sup>rd</sup> July,2020
65.	Concluding session	Webinar	Mr. S. U.Sapkal, Mr. J.M. Dabir	6 <sup>th</sup> Aug,2020
66.	Refrigeration and Air conditioning using Flownex Simulation Software	Webinar	Mr. P. A. Mane Mr. G. R.Undale	31 <sup>st</sup> July,2020
67.	Thermodynamics using Flownex Simulation Software	Webinar	Mr. P. A. Mane Mr. G. R.Undale	24 <sup>th</sup> July,2020
68.	Big data and covid 19: Technologies and applications	Webinar	Mr. P. A. Mane	26 <sup>th</sup> July,2020
69.	How to write a good research project proposal for getting grant	Webinar	Miss. N. S. Nagmoti	3 <sup>rd</sup> Aug,2020

70.	How to use Microsoft teams' application effectively for education	Webinar	Miss. N. S. Nagmoti	10 <sup>th</sup> Aug,2020
71.	Finite Element Simulations with SIMULIA Abaqus– Lecture series 1&2	Webinar	Miss. N. S. Nagmoti	29 <sup>th</sup> July,2020
72.	Organized One Week FDP on Electro-Mechanical Systems	FDP	Mr. S. U.Sapkal, Mr. J.M. Dabir, Mr.G. R. Undale, Miss.N.S. Nagmoti, Mr. M.M. Khot	20 <sup>th</sup> -25 <sup>th</sup> July, 2020
73.	Career Guidance and Counselling Program for Final year B.Tech Mechanical Engineering	Program	Mr. M. M. Khot Mr. J. M.Dabir, Mr. G.R. Undale, Mr.S. M. Arali	27 <sup>th</sup> -31 <sup>st</sup> July 2020
74.	Introduction to Solar Cells" 5 weeks course on Coursera with grade 96.94%	Course	Mr. G. R.Undale	26 <sup>th</sup> August, 2020
75.	Foundations of Artificial Intelligence (AI) Program (Prime) with 94% Overall Score Certificate ID Number: baa9d6742b1649589a4ec0e686a3ce63	Course	Mr. G. R.Undale	28 <sup>th</sup> August, 2020
76.	One-week Online Faculty Development Program (FDP) on Exploring the Dimensions of Innovation, Incubation and Emerging Technologiesto Embrace Post COVID Changes	FDP	Mr.G.R.Undale	8 <sup>th</sup> -12 <sup>th</sup> June, 2020
77.	Learn to Design your own Solar Home System with score 87.5%	Course	Mr.G.R.Undale	23 <sup>rd</sup> July,2020
78.	Solar Energy Basics 5 weeks course on Coursera with grade 95%	Course	Mr.G.R.Undale	26 <sup>th</sup> July, 2020
79.	Introduction to Artificial Intelligence 5 weeks course On Coursera with grade 93%	Course	Mr.G.R.Undale	26 <sup>th</sup> July, 2020
80.	Short term management course	Course	Mr. J. M. Dabir	31 <sup>st</sup> July, 2020
81.	Latest trends in cutting tools and force measurement using math lab	Course	Mr. J. M. Dabir	25 August 2020
82.	Connect Next Conference	Webinar	Mr. J. M. Dabir	17 <sup>th</sup> September 2020
83.	Interfaces in EPC Project	FDP	Mr. J. M. Dabir	5 <sup>th</sup> September 2020
84.	Recent trends in cutting tool technology and force measurement using MATLAB	STTP	Mr. J. M.Dabir, Mr. K.H. Inamdar	24 <sup>th</sup> August2020
85.	Digital Transformation and Pedagogies	National level workshop	Mr. J. M. Dabir, Mr. M.M. Khot	10 <sup>th</sup> August, 2020
86.	Mechanics of Composite Materials and Structures	FDP	Miss. N. S. Nagmoti	9 <sup>th</sup> September, 2020
87.	Engineering the Thought Process	Webinar	Mr. P. A. Mane	1 <sup>st</sup> June, 2020
88.	Outcome Based Education: A special emphasis on attainment of higher order Pos	Workshop	Mr.R.M.Chanmanwar	24 <sup>th</sup> – 25 <sup>th</sup> september, 2020
89.	Industrial Noise and Vibration Control	Online short-term course	Mr. P.D.Maskar, Mr. V. V.Dhende, Miss. N. S. Nagmoti	26 <sup>th</sup> -28 <sup>th</sup> November, 2020
90.	Recent trends in cutting tool technology and force measurement using MATLAB	STTP	Dr. K. H.Inamdar	24 <sup>th</sup> to 29 August, 2020
91.	Skill development workshop (online) on Thermal Design of Electronics equipment	Skill development workshop	Dr. B. S.Gawali	12 <sup>th</sup> to 27 <sup>th</sup> December, 2020

92.	Webinar on use of online resources in teaching and learning process	webinar	Dr. K. H. Inamdar	20 <sup>th</sup> May, 2020
93.	Webinar on Design, modeling and simulation of Solar Thermal, Solar PV & PVT Hybrid Systems using POLYSUN Simulation Software	Webinar	Mr. G. R. Undale	5 <sup>th</sup> February, 2021
94.	Pedagogy Workshop on Teaching Thermodynamics	Workshop	Mr. G. R. Undale	19 <sup>th</sup> -21 <sup>st</sup> February, 2021
95.	Reforms in Technical Education: Perspective of National Education Policy	National Level Programme	Mr. S. U. Sapkal	4 <sup>th</sup> -6 <sup>th</sup> March, 2021
96.	Online Short-Term Training Programme - Phase II on Electric Vehicle Evolution-Impact on Power Grid	STTP	Mr. P. A. MANE	22 <sup>nd</sup> to 27 <sup>th</sup> March, 2021

Electrical Engineering				
SN	Name of Event	Details of Event	Name of Faculty	Date of Event
1.	PSIM for Power Electronics- Simulation & Analysis	FDP	Mr. N. V. Patel	1 to 3 July 2020
2.	NIRF India Rankings-2021 for Higher Educational Institutions	Workshop	Mr. N.V. Patel	18,19 January 2021
3.	Pedagogical Techniques in Electronics and Electrical Engineering	FDP under TEQIP III at WCE, Sangli	Mr. S. S. Karvekar	14 to 18 August 2020
4.	Modern Trends in Electrical Drives	FDP	Mr. S. S. Karvekar	19 to 23 May 2020
5.	Digital Transformation in Teaching Learning Process	FDP	Mr. S. S. Karvekar	6th-22nd April 2020
6.	FDP on Drupal	FDP	Mr. S. S. Karvekar	4 to 9 May 2020
7.	Applications of Multi-megawatt Power-electronic System	FDP	Mr. S. S. Karvekar	1 to 5 December 2020
8.	Internet of Things	FDP	Mr. S. S. Karvekar	15 to 19 December 2020
9.	Advanced Power System Protection	FDP	Mrs. A. A. Dhamangaonkar	1 to 5 December 2020
10.	CO-PO attainment for Theory and Lab Courses & Case studies on CO-PO attainment calculations for NBA	Expert Lecture	Mrs. A. A. Dhamangaonkar	4,5 December 2020
11.	e-content development	FDP	Mrs. A. S. Karvekar	8 August 2020
12.	Electric vehicles	FDP	Mrs. A. S. Karvekar	2 to 6 November 2020
13.	Applications of Multi-megawatt Power-electronic System (AMPS 2020)	FDP	Mrs. A. S. Karvekar	1 to 5 December 2020
14.	CO-PO attainment calculations for NBA	FDP	Mrs. A. S. Karvekar	4,5 December 2020
15.	Artificial Intelligence (AI) and Machine Learning (ML) Applications in Power Systems	FDP	Mr. R. G. Datar	1,2,3 June 2020

16.	Advanced Solar PV System Designing Course	FDP	Mr. R. G. Datar	31,1,2 July-August 2020
17.	Internet of Things (IoT)	Webinar	Mr. R. G. Datar	14 to 18 December 2020
18.	"Electric Vehicles"	FDP	Mrs. M. M. Tamhankar	7 to 11 December 2020
19.	Control Systems & Sensors Technology"	FDP	Mrs. M. M. Tamhankar	14 to 18 December 2020
20.	CO-PO attainment calculations for NBA	FDP	Mrs. M. M. Tamhankar	4,5 Dec 2021
21.	Power System Design Simulation and Analysis using DlgSILENT PowerFactory Software	Webinar	Mr. M. S. Mahagaonkar	11,12 December 2020
22.	Learn to design your own Solar home system	Webinar	Mr. M. S. Mahagaonkar	29 June 2020
23.	Electricity Tariff and understanding residential bill	Webinar	Mr. M. S. Mahagaonkar	19 August 2020
24.	Power System Design Simulation and Analysis using DlgSILENT PowerFactory Software	FDP	Mrs.S.L.Shaikh	21,22 December 2020
25.	Engineering Pedagogy in Post Covid-19 Paradigm	FDP	Mrs.S.L.Shaikh	19,20 October 2020
26.	Electrical Power Systems, Renewable Energy, Smart Grid and Switchgear Protection	FDP	Mrs.S.L.Shaikh	3 November 2020
27.	Matlab Software	Webinar	Mrs.S.L.Shaikh	8 to 12 December 2020
28.	Professional Development Training Programme	FDP	Mrs.S.L.Shaikh	11 to 15 January 2021
29.	Effective Engineering Teaching in Practice	FDP	Mrs.S.L.Shaikh	18 January to 21 February 2021

Electronics Engineering				
SN	Name of Event	Details of Event	Name of Faculty	Date of Event
1.	5 Days FDP on Pedagogical Techniques in Electronics and Electrical Engineering	FDP	All Faculties	14 to 18 August 2020
2.	Engineering for the complex world	Webinar	Dr. S. G. Tamhankar	30 July 2020
3.	Career prospects for fresh engineers in Electric Vehicles domain and how to be Industry Ready for it	Webinar	Dr. S. G. Tamhankar	23 July 2020
4.	Green Energy for Future	Webinar	Dr. S. G. Tamhankar	2 July 2020
5.	FDP on Electro-Mechanical system	FDP	Dr. B. G. Patil	20 to 25 July 2020
6.	National webinar on introduction of Puranic Healing Energy Science	Webinar	Dr. B. G. Patil	24 July 2020
7.	One day Workshop on C and CPP	Workshop	Dr. B. G. Patil	29 February 2020
8.	Five Day FDP on ICT Based Teaching and Learning Process	FDP	Dr. S. D. Ruikar	1 to 5 July 2020
9.	Five days short term course on Recent Trends in Wireless Communication	FDP	Dr. S. D. Ruikar	20 to 24 July 2020

10.	One-week online FDP on Challenges and Opportunities in Recent Emerging Technology	FDP	Dr. S. D. Ruikar	6 to 7 July 2020
11.	Five days short term training Program on Recent Advances in Artificial Intelligence	FDP	Dr. S. D. Ruikar	27 to 31 July 2020
12.	Five days Faculty Development Program on Algorithms and Techniques for Signal Processing	FDP	Dr. S. D. Ruikar	14 to 18 July 2020
13.	STTP with Predictive modeling with Machine Learning using Python	STTP	Dr. S. D. Ruikar	3 to 8 August 2020
14.	ICT Workshop-3 on "E-content Development	FDP	Mr. N. V. Marathe	8 August 20
15.	Faculty Development Programme on Flipped Classroom	FDP	Mr. N. V. Marathe	15 August 20
16.	Webinar on Neuromorphic Computing and AI organized by NASSCOM	Webinar	Dr. M. M. Patil	11 July 2020
17.	Recent Trends in Wireless sensor Networks and Communication Systems	FDP	Mrs. M. R. Khare	14 to 16 July 2020
18.	Anatomy of an Embedded Linux System	Webinar	Mrs. M. R. Khare	17 September 2021

CSE Engineering				
SN	Name of Event	Details of Event	Name of Faculty	Date of Event
1.	Leadership & Excellence	Online ATAL FDP	Mrs A M Chimanna	13-17 January 2021
2.	Stress-management	Online ATAL FDP	Mrs A M Chimanna	1-5 February 2021
3.	Artificial intelligent & Deep learning	STTP	Kiran P Kamble	2 January to 2 February 2021
4.	Remote Sensing and Image Processing Software	ERDAS IMAGINE-2020	Kiran P Kamble	24 to 28 August 2020
5.	Remote Sensing and Image Processing Software	ERDAS IMAGINE-2020	Mrs A M Chimanna	24 to 28 August 2020
6.	Remote Sensing and Image Processing Software	ERDAS IMAGINE-2020	Mr. S. S. Sontakke	24 to 28 August 2020
7.	"Birds eye view on AI", Workshop	FDP	S. D. Pujari	29 June 2020
8.	"Outcome Based Education: A special emphasis on attainment of higher order POs"	Two days workshop	Ms. A. A. Kale	24 and 25 September 2020
9.	"Outcome Based Education: A special emphasis on attainment of higher order POs"	Two days workshop	Mrs. H. V. Gandhi	24 and 25 September 2020
10.	"Outcome Based Education: A special emphasis on attainment of higher order POs"	Two days workshop	Mrs A M Chimanna	24 and 25 September 2020
11.	"Outcome Based Education: A special emphasis on attainment of higher order POs"	Two days workshop	Dr. N. L. Gavankar	24 and 25 September 2020
12.	Introduction to Data Structure	FDP	Ms. A. A. Kale	18 December 2020
13.	Engineering Pedagogy in Post Covid-19 Paradigm	FDP	Mrs. H. V. Gandhi	20 October 2020
14.	e-course-Deep Learning: From Basics to Practice	workshop	Mrs. H. V. Gandhi	30 December 2020
15.	Research Skill Development	Two days workshop	Ms. A. A. Kale	29 and 30 August 2020
16.	Research Skill Development	Two days workshop	Ms. S. S. Rokade	29 and 30 August 2020
17.	Research Skill Development	Two days workshop	Mr. S. D. Pujari	29 and 30 August 2020
18.	Research Skill Development	Two days workshop	Dr. N. L. Gavankar	29 and 30 August 2020
19.	Outcome based education and accreditation	Webinar	Ms. A. A. Kale	24 September 2020

		Sponsored by NBA		
20.	outcome based education and accreditation	One Day Online Webinar	Ms. S. S. Rokade	24 September 2020
21.	Programming Basics	FDP IITBX	Mrs A M Chimanna	15 December 2020
22.	Research skill Development	Guest Lecture	Mrs A M Chimanna	30-8-2020
23.	Data and Error Analysis Using R,	11-13 Dec.2020-IITB	Mrs A M Chimanna	13 December 2020
24.	Object Oriented Programming using c++	IITBX	Mr. S. D. Pujari	15 December 2020
25.	Advancements in Geospatial Technology	workshop	Dr. N. L. Gavankar	18 December 2020
26.	Blockchain	ATAL FDP	Ms. N. L. Mudegol	14 to 18 December 2020
27.	Mathematics for Machine Learning	ATAL FDP	Ms. N. L. Mudegol	18 to 22 January 2021
28.	Data Science	ATAL FDP	Ms. N. L. Mudegol	5 February 2021
29.	Webinar on Fundamentals of Deep Learning	Webinar	Mr. K. P. Kamble	19 September 2020
30.	Databases using Python	Coursera	Mr. S. D. Pujari	20 July 2020
31.	Programming for everybody	Coursera	Mr. S. D. Pujari	5 July 2020
32.	Python for accessing Web data	Coursera	Mr. S. D. Pujari	13 July 2020
33.	Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	Coursera	Mr. K.P.Kamble	23 July 2020
34.	Machine Learning & Application Areas	FDP	Ms. A. S. Pawar	10 July 2020
35.	Machine Learning & Application Areas	FDP	Mr. S. S. Sontakke	10 July 2020
36.	Outcome based Education	FDP in CSE dept WCE	Ms. A. S. Pawar	25 June 2020
37.	Outcome Based Education Software	Webinar	Ms. A. S. Pawar	4 July 2020
38.	Software as a Service	Three-day STTP	Ms. A. S. Pawar	7 June 2020
39.	COVID 19 Contact tracing	Coursera	Ms. A. S. Pawar	18 June 2020
40.	Programming for Everybody (Getting Started with Python)	Coursera	Ms. A. S. Pawar	5 July 2020
41.	Advances in Internet of Things	FDP	Mr. S. S. Sontakke	2 June 2020
42.	Outcome Based Education and CO-PO Mapping	Seminar	Mr. S. S. Sontakke	4 June 2020
43.	R language	1 week workshop by Spoken tutorial IIT Bombay	Mr. S. L. Mahadeshwar	24 July 2020
44.	Outcome based Education	Workshop	Mr. S. L. Mahadeshwar	25 June 2020
45.	Cloud Computing -How you do, where you do it	Webinar	Mr. S. L. Mahadeshwar	28 June 2020
46.	Cloud computing	Workshop	Mr. S. L. Mahadeshwar	30 June 2020
47.	Performance Computing Using GPU	Webinar	Mr. S. L. Mahadeshwar	7 July 2020
48.	Turning Obstacles into Opportunities	Webinar	Mr. S. L. Mahadeshwar	12 July 2020
49.	E-CONTENT Creation and contents using OBS studio and streamyard	Workshop	Mr. S. L. Mahadeshwar	12 July 2020
50.	Google Cloud Platform Fundamentals: Core Infrastructure	Webinar	Mr. S. L. Mahadeshwar	21 July 2020

51.	NO_SQL_Choosing right DBMS for your application	Webinar	Mr. S. L. Mahadeshwar	27 July 2020
52.	Digital Media Marketing and Management	ATAL FDP	Dr. B. F. Momin	17 to 21 May 2021
53.	Human Factors in Software Design	ATAL FDP	Dr. B. F. Momin	21 to 25 June 2021
54.	Product Design and Prototype Development	ATAL FDP	Dr. B. F. Momin	12 to 16 July 2021

IT				
SN	Name of Event	Details of Event	Name of Faculty	Date of Event
1.	Patent information Course	TurnIP innovations pvt ltd.	Dr. A. J. Umbarkar	2 weeks comprehensive online
2.	AICTE -STTP on "IT for Sustainability	Thakur Institute of Management Studies, Career Development & Research, Mumbai	Dr. A. J. Umbarkar	15 to 26 June 2020
3.	Internet of Things (IoT) & It's Applications in Industry	RAIT, Nerul Navi Mumbai	Dr. A. J. Umbarkar	8 to 12 June 2020
4.	Engineering Education and the Industry: A Post COVID-19 Perspective	MCT's Rajiv Gandhi Institute of Technology, Mumbai	Dr. A. J. Umbarkar	1 to 5 June 2020
5.	SaaS: Software as service	CSE Dept of ADCET, Ashta	Dr. A. J. Umbarkar	5-7 June 2020
6.	One-week online STTP on Blockchain Technologies and Use cases	Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune	A. M. Khot	30 November to 5 December 2020
7.	ICT-Level-3 Workshop on E-Content Development	Theem College of Engineering, Boisar	Bharati S Shetty	8 August 2020
8.	One week Industry – Oriented Online STTP on "Current Trends and Tools for Web Development"	Department of Computer Science and Engineering, Sri Venkateswara College of Engineering	Ms. Aditi Dilip Shinde	21 to 25 July 2020
9.	Google Go Programming	Dept. of CSE KITCOE kolhapur	Dr. A. J. Umbarkar	23 to 27 June 2020
10.	One-week online Faculty Development Program on Outcome Based Education: A Step Towards Excellence	Government College of Engineering, Karad	Dr. Ravindra Rathod	11-15 May 2020
11.	five days' workshop on ERDAS IMAGINE-2020 Remote Sensing and Image Processing Software	Computer Science and Engineering Department, Walchand College of Engineering (WCE), Sangli	Dr. Ravindra R. Rathod	24-28 August, 2020
12.	Short-term course on Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives	Department of Computer Science and Engineering, Indian Institute of Technology Roorkee.	Dr. Ravindra R. Rathod	30 November to 4 December 2020
13.	Online FDP on Machine Learning and Pattern Recognition	MET's Institute of Engineering	Tahseen A. Mulla	18 to 22 January 2021
14.	Online FDP on AI- Machine Learning & Optimization	Indian Institute of Information Technology Allahabad	Tahseen A. Mulla	1 to 5 February 2021
15.	Online FDP on Block chain	IPS Academy, Institute of Engineering & Science, Indore	Mayur Govind Rathi	4 to 8 January 2021

16.	IoT Technology Solution	WCE, Sangli	Dr. P. K. Kharat	14 to 18 December 2020
17.	Short Term Training Program on GPU COMPUTING	Vishwakarma Institute of Technology, Pune	Umesh Balkrishna Chavan	26 to 31 October 2020
18.	Recent Trends and Application of Machine Learning and Deep Learning	Dept. of IT RAIT Navi Mumbai	Umesh Balkrishna Chavan	25 to 29 May 2020

#### 4.1.4 Guest Lecture Delivered by faculty

Mechanical Engineering			
Name of Faculty	Place	Subject	Date of Lecture
Dr. B.S. Gawali	Mechanical Engineering Department Government College of Engineering, Karad.	Application of Cryogenics: Plus, tube coolers	10 <sup>th</sup> November, 2020
Dr. B.S. Gawali	Shri Gajanan Shikshan Sanstha's Shri Sant Gajanan Maharaj College of Engineering, Shegaon	An Introduction to Computational Fluid Dynamics	24 <sup>th</sup> to 31 <sup>st</sup> October, 2020

Electrical Engineering			
Name of Faculty	Place	Subject	Date of Lecture
Dr. D.S. More	Prof. Ram Meghe College of Engineering and Management, Bednera. (Online)	PWM Rectifiers	6 August 2020
	Hira Sugar Institute of Technology, Nidsoshi.	SRM drives for EV	25 November 2020
	Hira Sugar Institute of Technology, Nidsoshi.	SRM drives for EV	9 December 2020
	Hira Sugar Institute of Technology, Nidsoshi.	SRM drives for EV	16 December 2020
	MGM Polytechnique, Aurangabad.	Grid Integration of Wind Energy	30 January 2021
	Anna Dange College of Engineering, Ashta.	Grid Integration of Wind Energy	25 June 2021
Mr.S.S.Karvekar	Jaywant College of Engineering and Polytechnic, Killemachindragad.	Design of control Algorithms using low-cost microcontroller for application in Power Electronics	20 July 2020
	KIT, Kolhapur.	Model Based Design Using MATLAB	13 March 2021
	Sanjay Bhokare Group of Institutes, Miraj.	Advance Trends in Control System and Electrical Machine	30 March 2021

Electronics Engineering			
Name of Faculty	Place	Subject	Date of Lecture
Dr. V. B. Dharmadhikari	WCE Sangli	Sessions in the Training Program on spreadsheets organized by WIC	

CSE Engineering			
Name of Faculty	Place	Subject	Date of Lecture
Dr. N. L. Gavankar	Expert lecture delivered at Sandip	Remote sensing and GIS	10 January



	Institute of Technology and Research Centre, Nashik. Program Details: One week FDP sponsored by ATAL academy		2021
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## 4.2 Number of Students from Reservation Categories

## 4.3 Interaction with outside world

### 4.3.1 Industrial Visits: Nil due to Covid 19

### 4.4 TIFAC Details 2020-21: No Activity

## 4.5 MoU's Signed with Industries and Institutes in Last Five Years

### Civil Engineering

Sr. No.	MoU signed with	Year	Purpose
1	MPCB	2008 - 2021	Air Quality Monitoring for Sangli City under National Air Monitoring program
2	MPCB	2011-17	Fellowship for PG Students of Env. Engineering
3	MPCB	2021	Institute of Repute (IoR) to serve under the National Clean Air Mission
4	Ramkumar Rathi Tech services Pvt. Ltd., Pune	6 October 2018	Developing Research Centre for Structural Health Monitoring
5	Struct-wel Designers and Consultants Pvt. Ltd., Mumbai	13 December 2018	Training, Research & Development, Consultancy
6	National Highway Authority of India (NHAI)	3 August 2020	Training, Research & Development, Consultancy
7	Laxmi Engineers Services Pvt. Ltd	7 October 2016	Training, Research & Development, Consultancy
8	Parikh Engineers and Associates	8 December 2016	Training, Research & Development, Consultancy
9	Shanti Prestressed Products Pvt. Ltd Miraj	8 December 2016	Training, Research & Development, Consultancy
10	Jabalpur College of engineering Jabalpur	13 May 2019	Twinning Activity
11	Jawahar Shetakari Sahakari Karkhana Ltd. Hupari	15 May 2018	Training, Research & Development, Consultancy
12	SCON Infrastructure, Mumbai (Pioneer in Prestressing and Rehabilitations of Bridges.	June 2021	Training, Research & Development, Consultancy

### Mechanical Engineering

#### Academic

1. Bharati Vidyapeeth Deemed Uni., Medical College & Hospital, Sangli (01.01.2016)
2. Government Engineering College, Jabalpur (21.07.2017)
3. Government College of Engineering, Karad (12.08.2017)
4. ABVP & Srijan Trust-Sangli-(29.01.2018)
5. The Organizing Committee of ICCET-2019, BATU Lonere (10.07.2018)
6. Rajaram Institute of Technology and research centre, Vita (04.09.2018)
7. N. K. Orchid College of Engineering and Technology, Solapur (01.10.2018)
8. Sanjeevan Engineering and Technology Institute, Panhala (01.10.2018)
9. Sharad Institute of Technology College of Engg, Yadrav (01.10.2018)
10. Tatyasaheb Kore Institute of Engg and Technology, Warananagar (01.10.2018)
11. Shri Vithal Education and Research Institute's College of Engg, Pandharpur (01.10.2018)
12. Vishveshwaraya Technical campus, Patgaon, Miraj (01.10.2018)

13. Ashokrao Mane Group of Institution, Vathar (01.10.2018)
14. Mechanical Department, Jabalpur Engineering College, Jabalpur (14.05.2019)

**Industry:**

1. Reliance Infrastructure Ltd., Dahanu (24.06.2016)
2. Mahatransco-Hatkanagale (06.10.2016)
3. Perfect Consultancy Kolhapur (13.12.2016)
4. Robocart.com, Tech enclave Mumbai (04.03.2017)
5. Samruddhi TBI Foundation, Sangli (30.06.2017)
6. 3D PLM Software Solution Ltd., Pune (28.07.2017)
7. Edunance, Vanmat Technologies Pvt. Ltd., Mumbai (18.11.2017)
8. Wadia-Tecno-Engg, Mumbai (14.05.2018)
9. Innovative Infocom & IT Parks Pvt. Ltd., Navi Mumbai (04.08.2018)
10. Rathi Tech Services Pvt. Ltd., Pune (06.10.2018)
11. Red Hat India Pvt. Ltd., Mumbai (24.10.2018)
12. Tata Consultancy Services, Ltd., Pune (23.11.2018)
13. RGSTC-TIFAC, Mumbai (12.12.2018)

**Electrical Engineering****Academic**

1. Adani Electricity Mumbai Limited, ADTPS, Tal: Dahanu, Dist: Palghar. (02.03.2020)
2. Bharati Vidyapeeth Deemed Uni., Medical College & Hospital, Sangli (01.01.2016)
3. Government Engineering College, Jabalpur (21.07.2017)

**Industry:**

1. Reliance Infrastructure Ltd., Dahanu (24.06.2016)
2. MSETCL/Mahatransco- Hatkanagale (6.10.2016)

**Electronics Engineering**

1. Fresh Express Pvt. Ltd. Miraj (In progress)

**CSE Engineering****Academic**

1. Bharati Vidyapeeth Deemed Uni., Medical College & Hospital, Sangli (01.01.2016)
2. Government Engineering College, Jabalpur (21.07.2017)

**Industry:**

3. VERITAS (1st Dec 2020 to 30th Nov 2021)
4. ZiMetrics (7th April 2021 to 6th April 2023)
5. Fresh Express Pvt. Ltd. Miraj (In progress)

**IT Engineering****Academic**

1. Government Engineering College, Jabalpur (21.07.2017)

**Industry:**

1. Veritas Pvt. Ltd. (2020-21)

## 5. DIPLOMA WING REPORT

### 5.1 Admission Details:

Course/ Year	Civil	Mechanical	Electrical	Ind. Eln.	Total
F.Y.	47	69	70	45	231
S.Y.	50	74	83	50	257
T.Y.	52	67	65	49	233
<b>Total</b>	<b>149</b>	<b>210</b>	<b>218</b>	<b>144</b>	<b>721</b>

### 5.2 Faculty Details:

In Poly. wing 22 regular staffs are working while CHB staffs are appointed as per requirements. Shri. R.G. Bhosale I/C Vice-Principal retired on 31 May 2021 after 37 years of his service.

Shri. A.V. Kamble took charge of I/C Vice-Principal from 07 June 2021.

### 5.3 Faculty Activity Details:

#### 5.3.1 Consultancy works:

Sr.	Name of work & Client	Types of work	Consultancy Fees in Rs.	Consultants	Remark
1	TP Audit, Vaduj Nagar Panchayat	Civil Works	2,55,330/-	HP Kulkarni and N.N Kamble (Civil)	Completed
2	TP Audit, SMK Corporation	Civil Works	18883/-	N.N Kamble (Civil)	Completed
3	Pipe Testing	Testing and Certification	28000/-	Mr. A. V. kamble (Mech)	Completed
4	Testing	Testing	81440/-	All Faculty (Electrical)	Completed
5	Consultancy	Consultancy	453304/-	All Faculty (Electrical)	Completed

#### 5.3.2 Faculty pursuing Ph.D.

Sr. No.	Name of Faculty	Name of Guide/ Branch	Date of Registration/Univ.	Title of the Thesis
1	S. M. Pophare	Dr. S. H. Jadhav	Feb. 2015 Shivaji Univ. Kolhapur	Elasto-Plastic Behavior of Doubly Curved
2	S.V. Chikurde	Dr. V V. Karjini	Aug 2019 Shivaji Univ. Kolhapur	A Study for Developing Lot Enabled Solid
3	N.N. Kamble	Dr. P.S. Patil	Aug. 2018 Shivaji Univ. Kolhapur	Investigation On Stone Dust Stabilized Block Masonry Using Manufactured
4.	Kamble Sushant	Dr. A.M. Mulla, Electrical	July 2017 Shivaji Univ. Kolhapur	Power Quality Enhancement in Grid Connected EV Charging System

### 5.4 Result Analysis of MSBTE Examinations:

Civil Engg.	Exam	Total	90+	Dist.	First	Second	ATKT	Fail	% Pass
First Year	S-2021	46	2	31	14	0	1	0	100
	W-2020	47	15	45	2	0	0	0	100
Second Year	S-2021	49	4	35	12	1	1	0	100
	W-2020	50	5	39	10	1	0	0	100
Third Year	S-2021	52	25	51	1	0	0	0	100
	W-2020	52	37	51	1	0	0	0	100

Mech Engg.	Exam	Total	90+	Dist.	First	Second	ATKT	Fail	% Pass
First Year	S-2021	68	0	37	26	-	0	01	93
	W-2020	68	3	54	06	-	0	01	98
Second Year	S-2021	74	0	62	07	-	-	-	100
	W-2020	74	3	65	01	-	-	-	100
Third Year	S-2021	67	5	13	-	-	-	02	97
	W-2020	67	5	7	3	-	-	-	100

Electrical Engg.	Exam	Total	90+	Dist.	First	Second	ATKT	Fail	% Pass
First Year	S-2021	70	0	52	15	1	2	-	100
	W-2020	70	41	57	13	-	-	-	100
Second Year	S-2021	82	8	45	36	-	1	-	100
	W-2020	83	46	83	-	-	-	-	100
Third Year	S-2021	65	35	65	-	-	-	-	100
	W-2020	65	63	65	-	-	-	-	100

Ind Eln	Exam	Total	90+	Dist.	First	Second	ATKT	Fail	% Pass
First Year	S-2021	45	02	40	03	0	0	0	100
	W-2020	45	11	34	00	0	0	0	100
Second Year	S-2021	49	03	39	07	0	0	0	100
	W-2020	49	29	19	01	0	0	0	100
Third Year	S-2021	50	08	40	02	0	0	0	100
	W-2020	50	46	04	00	0	0	0	100

#### 5.4.1 List of Toppers

Rank	FY S-2021		SY – S-2021		TY – S-2021	
	Name	%Marks	Name	%Marks	Name	%Marks
<b>Civil</b>						
1	Kothali Moin D	91.68	Shendge Gouri S	91.25	Patil Prachi U	94.89
2	Jadhav Ankita J	90.32	Joshi Mrunmayee P	90.63	Patil Rachana	94.67
3	Sutar Megha S	87.79	Dixit Ashish Vinayak	90.50	Jadhav Pranoti	94.67
<b>Mechanical</b>						
1	More Aditya	97.60	Jadhav Dhairyashil	96.25	Kulkarni Pritish	93.62
2	Yadav Manali S.	95.33	Janawekar Omkar	95.75	Bele Rohit	93.33
3	Patil Chinmay	94.13	Jadhav Suraj Sandeep	95.25	Kumbhar Abhishek	93.24
<b>Electrical</b>						
1	Kamble Vaibhav	89.25	Patil Shreya	93.86	Borigidde Pranali	95.75
2	Sayyad Sayma	88.875	Shintre Kamlesh	92.933	Kamble Sagar	95.375
3	Nalage Sunil	87.875	Bagal Ambika	91.333	Dige Shraddha	95.250
4	Ingole Pushpa	87.625	Mohite Anuja	91.333	Mujawar Najrin	95.250
5	Jadhav Gayatri	87.5	Tahsildar Siddika	91.333	Bargir Zainab	95.000

Industrial Electronics						
1	Shreeya Rahate	93.93	Salunkhe Abhijeet	95.03	Chinchwade Rutuja	96.91
2	Dhaske Niruddha	93.93	Kamate Soham	94.52	Gadadawar Vaishnavi	96.11
3	Munde Aniket	90.83	Bawadekar Sarvesh	93.94	Chinde Pranay	95.71

### 5.5 A) Student Co-Curricular Activities:

#### Civil Department

No. of students participating in co-curricular activities – 18

No. of Winners in co-curricular activities -- 02

#### Mechanical Department

No. of students participating in co-curricular activities – 18

No. of Winners in co-curricular activities -- 00

#### Electrical Department

No. of students participating in co-curricular activities – 123

No. of Winners in co-curricular activities -- 14

#### Industrial Eln Department

No. of students participating in co-curricular activities – 00

No. of Winners in co-curricular activities -- 00

### 5.6 Other Activities:

#### 5.6.1 Guest Lectures Delivered by the Faculty:

SN	Name of Faculty	Place	Subject	Date
1	H P Kulkarni	Govt. Polytechnic, Karad	Green Building	4 February 2021
2	All staff members of Poly wing participated in school connect program in 50 high schools, conducted by MSBTE	Various High Schools in Sangli, Vishrmbag, Miraj, Kavalapur	Admission process and Various opportunities for Diploma in Engineering	Month of February and March 2021

#### 5.6.2 Guest Lectures Organized:

SN	Name of Speaker	Subject	Coordinato	Date
1	Shri S P Dhamangaokar Builder, Miraj	Study of Construction Companies: TY	S. N. Kulkarni	3 December 2020
2	Mr B R Kavathekar, WCE, Sangli	Sludge Treatment: TY	S. V. Chikurde	7 December 2020
3	Dr. P. K. Deshpande	Geology and Petrology: TY	K. S. Kadam	22 April 2021
4	Dr Ravindra Tate, Medical Health Officer, SMKC	SWM for SMKC – Past Present & Future: TY	S. V. Chikurde	28 May 2021
5	Dr. V V Varade Curtin University, Dubai	Management: TY	H. P. Kulkarni	10 June 2021
6	Mrs. V.S. Limaye	Building Planning & Drawing: SY	H. P. Kulkarni	11 June 2021
7	Mr. Prasad Kulkarni	Entrepreneurial Opportunities	H.N.Tikekar A.V. Kamble	10 November 2020
8	Shri Mantesh Awati, jaigad	Thermal Power Plant	J.Y.Mane	15 December 2020
9	Shri Rahul Kachare, BPCL	Industrial Safety	A.S.More	17 December 2020
10	Shri D.D Gavali, Miraj	Opportunities for engineers	N.G.Apte	20 April 2021
11	Shri Vijay Kachare ,Goa	Power Grid	A.R.Bhosale	8 May 2021
12	Shri Nitin patil,Sangli	Testing and Maintenances	S.S.Kamble	11 June 2021

**5.6.3 Technical Paper Presentation Guided by the Faculty: - Nil****5.6.4 Number of papers Published: Nil****5.6.5 Training Programs Attended by faculty:****Civil Department:**

SN	Topic	Venue	Faculty	Duration
1	Engineering Mechanics	Online by Georgia Institute of Tech.: Coursera	H. P. Kulkarni	5 weeks
2	Introduction to Sustainability	Online by University of Illinois: Coursera	H. P. Kulkarni	8 weeks
3	Integrated Waste Management for a Smart City	IIT Madras (NPTEL)	S. V. Chikurde	12 Weeks
4	Municipal Solid Waste Management	IIT Madras (NPTEL)	S. V. Chikurde	12 Weeks
5	Electronic Waste Management - Issues and Challenges (Exam Conducted in Dec-2020)	IIT Kharagpur (NPTEL)	S. V. Chikurde	04 Weeks

**Electrical department:**

SN	Topic	Venue	Faculty	Duration
1	Breathe and meditate	Art of Living Bangulore	J.Y.Mane	2 weeks
2	Breathe and Meditate	Art of Living Bangulore	A.S.More	2 weeks
3	Breathe and Meditate	Art of Living Bangulore	N.G.Apte	2 weeks
4	Electric Vehicles and Mobility École des Ponts ParisTech	Coursera	A R Bhosale	6 weeks
5	Electric Utilities Fundamentals and Future University of Colorado System	Coursera	A R Bhosale	5 weeks
6	Breathe and Meditate	Art of Living Bangulore	S.S.Kamble	2 weeks

**Mechanical department:**

SN	Topic	Venue	Faculty	Duration
1	Effective use of ICT Tools in Teaching Learning Process	G.P. Mavan	D.B. Urunkar	1 week
2	STTP on Teaching Learning Pedagogies	A.G. Patil Polytechnic, Solapur	D.B. Urunkar	1 week
3	Refresher Programme on Advanced Mechatronic System	Sandip Polytechnic Nashik	G.N. Sargule	1 week
4	Online FDP on Recent Trends in Emerging Technologies	V.E.S. Polytechnic Chembur, Mumbai	G.N. Sargule	1 week
5	Online FDP on Recent Trends in Emerging Technologies	V.E.S. Polytechnic Chembur, Mumbai	G.S. Kamble	1 week

**5.6.6 Number of Industrial visits organized:**

SN	Subject	Location	Coordinator	Date
1	Due to COVID-19 Pandemic situation, no physical visit was arranged during 2020-21. However, online sharing of resources and virtual tours are being shared by concerned faculty.			

**5.6.7 Number of Workshop/ Program organized: Nil**

### Vision

To produce capable graduate engineers with an aptitude for research and leadership.

### Mission

- To impart quality education through demanding academic programs.
- To enhance career opportunities for students through exposure to industry.
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity toward society and a respect for the environment.

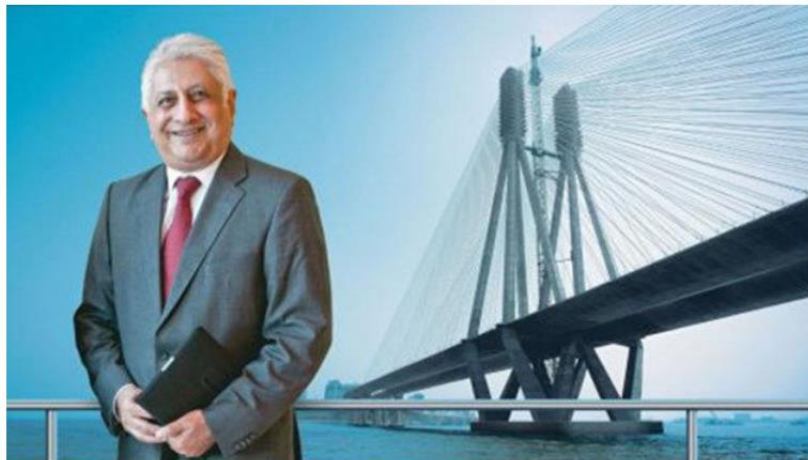
### Objective

- Achieve excellence in learning and research through continual improvement in both content and delivery of the academic programs.
- Promote close interaction among industry, faculty and students to enrich the learning process and enhance career opportunities for students.
- Develop state-of-the-art laboratories and other infrastructure commensurate with the need of delivering quality education and research services.
- Strengthen the Institution through network of alumni and optimize use of resources by leveraging inter-departmental capabilities.
- Provide opportunities and ensure regular skill up-gradation of faculty and staff through structured training programs.

### Quality Policy

To strive for excellence in academic and research programs in order to achieve proficiency in students by adopting continually improving standards to the learning process.

## Our Inspiration



**Shri. Ajit Gulabchand**  
**Chairman, Administrative Council**

Visit us to: [www.walchandsangli.ac.in](http://www.walchandsangli.ac.in)

