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THE DIRECTOR'S REPORT

FIFTEENTH GRADUATION CEREMONY OF THE BATCH OF ENGINEERS GRADUATING IN AUGUST 2020

Honourable Chairman, Board of Governors of the College of Engineering Pune, Shri Pratap Pawar, distinguished chief guest, Vice-Chancellor, Savitibai Phule Pune University, Prof. Nitin Karmalkar, Members of the Board of Governors, Members of the Academic Council, all graduating students and their family members, faculty, staff, students, media persons, ladies and gentlemen; on behalf of COEP, I heartily welcome you all on the occasion of the 15th graduation ceremony, today.

The consecutive waves of COVID-19 are sending shockwaves across the globe marking severe impact on the lives, livelihoods and well-being of all. As we enter the COVID-19 recovery phase, it is becoming furthermore critical to contemplate the role of educational systems in fostering a resilient society. The global health crisis and the lockdown that followed have in fact renewed the social awareness towards the importance of having a robust education system. The pandemic has once again brought the education sector, that has often been taken for granted, amongst the fore sectors highly contributing and impacting the development of the nation. Thus, restoring a sense of esteem for the management, teachers, administrative and support staff of every educational institute who are working relentlessly during this critical time to ensure the continuity of education despite the lockdown and several other challenges.

Although higher education institutions were quick to use technology and replace the face-to-face lectures with online learning, the challenges do not end here with the immediate crisis. The educational institutes today, not just need to conceive new pedagogies to ensure continuity of education but also make conscious efforts to safeguard the psychological wellbeing of all its stakeholders in these testing times. Learners from the most marginalized groups, who do not have easy access to digital learning resources or lack the resilience and engagement to learn on their own, are at risk of falling behind. With uncertainty looming over examinations, admissions for higher studies and placements, students are experiencing high levels of anxiety about their future. Besides, they are also missing their social life on campus. For teachers too the course is quite demanding to adapt to the new pedagogical concepts and modes of delivery of teaching and getting themselves trained for it. The crux is that in this dire strait each one of us is a warrior trying to get over this plight.

However deep and disruptive are the implications of any crisis, it will not have predetermined outcomes. It will only be the nature of our systematic and collaborative responses to these

disturbances that will govern the way and extend to which we will be influenced by them. As we look ahead, we foresee that the college is rapidly growing in the pursuit of higher standards of teaching and research.

Accepting the ongoing baffle with equanimity, COEP has continued its efforts to provide technology driven engineering education, incorporating current innovations through relevant curriculum, providing state of the art laboratories and equipment. The visionary and enterprising Board of Governors, having all their energies directed towards creating excellence in enabling research environment, and the accelerated Industry-Institute connect culture at COEP is helping the institute grow in its stature as one of the best "Engineering Schools" in the country.

COEP is ranked first at the national level in the ATAL Ranking of Institutions on Innovation Achievements (ARIIA) 2020 under the category of Govt. / Govt. aided institutions and 50th amongst the top 100 engineering institutions across the country as per the results of NIRF announced by Hon'ble Minister of Human Resource Development competing with IITs and NITs. The Ministry of Education has also recognized the institute as a Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution for successfully framing the SES REC Action Plan and constituting ten working groups for improving facilities on the Campus and the Community/Adopted Villages in the areas of Sanitation & Hygiene, Waste Management, Water Management, Energy Conservation and Greenery post COVID-19 as the part of Social Responsibility, Swachhta and Care for Environment and Resources.

This new era urges the convergence of disciplines for ascertaining solutions to the existing problems making optimum utilization of the existing resources and substantially creating the new resources. Responding to this need, the faculty and students at COEP are encouraged to undertake interdisciplinary research projects supported by the Government and the corporate. PhD Fellowship endowed by the industries scheme is implemented for the full time Ph. D Scholars at COEP working on providing technological solutions to the problems communicated by industries.

Conscientious endeavors are undertaken by the institute to provide a comprehensive solution to reinvent the learning environment to facilitate the digital transformation and unconstrained blended learning techniques by having Augmented Reality (AR), Virtual Reality (VR) & Mixed Reality (MR) entering the classrooms along with the teachers to make learning more engaging and interactive. The institute is offering various Post Graduate Degree and Diploma programmes

designed to develop skilled human resource in the emerging areas which are multidisciplinary in nature. Also, the curriculum of both UG and PG programmes is revisited and updated every year in consultation with the experts from various corporate, affiliating university nominated on the Academic Council of the institute and Industry Advisory Boards of the respective departments, ensuring the industry relevant curriculum.

The participants from across the nation who take part in different academic and co-curricular programmes every year, witness the benefits of the knowledge-sharing cycle through various conferences/ workshops/ seminars, lectures and the true spirit of sportsmanship through the intercollegiate competitions and festivals organized by different departments, clubs and societies at COEP. However, our sentiments are well tied and timed, due to the volatile global pandemic, forcing us into differing degrees of isolation. But I am sure the virtual meets too have provided a better platform for all our distinguished participants to deliberate and discuss various trending issues and technological advancements in different fields of Engineering and Technology. Also, the sports culture is revived in a new mode.

While we have gathered here to cheer for and celebrate the well-deserved success of these young engineers graduated with flying colours, with great love and pride, I congratulate them. Special compliments to the family members, the faculty and mentors of these graduating students and all others who have helped these young boys and girls to complete their degree successfully in the unusual times presented by the COVID-19 pandemic. Your trust and support was crucial for each one of us, in embarking on a new experience of meeting teaching remotely in an online mode, ensuring all our students get the best possible education online.

A total of 1119 graduates are being awarded passing certificates of which 808 are B. Tech. under 10 engineering disciplines, and 311 are M. Tech. under 24 specializations. Moreover, the third batch of the students who have completed their Honors and Minor courses successfully will be awarded certificates of completion. The number of students who will be awarded the certificate in Honors and Minors is 151 and 110 respectively. I congratulate and commend each one of you on your praiseworthy achievements and extend my best wishes to you for your future.

Around 4500 meritorious students from all corners of the state and the country receive education at COEP at Bachelors', Masters' and PhD levels. As of now, COEP has 11 academic departments and 2 Centers of Excellence, namely Signal and Image Processing and Smart Renewal Energy Systems supported by TEQIP. The institute offers 9 Under-graduate courses in

engineering and 26 Post-graduate courses in engineering and 1 post-graduate programme in Business Administration, besides Ph.D. programmes in all the disciplines and 9 One-year PG Diploma courses in various domains. The institute, as part of the Mentor- Mentee institution association under the AICTE Margadarshan scheme, has further extended the One-year full-time Post-Graduate Diploma in Enterprise Resource Planning (ERP) with additional intake at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati, from the academic year 2020-21.

COEP, today, has 247 regular faculty members including Professor Emeritus of which 146 possess PhD degrees and many are working towards it. Moreover, there is a considerable number of reputed experts from industry as Adjunct Faculty to cater to the needs of all academic programmes.

As we unfold in this era of “New Normal” with a basketful of new challenges, new beginnings and new aspirations, all the faculty, staff and students at COEP re-dedicated and committed with their Might to the growth of the institute, making it the pinnacle of academic excellence. Here are some major achievements and accolades featured on the institute by the students and faculty during the last academic year.

❖ **ACADEMIC ATTAINMENTS**

➤ **One Year Full Time Post Graduate Diploma Programmes**

The institute, as part of the Mentor- Mentee institution association under the AICTE Margadarshan scheme, has further extended the One-year full-time Post-Graduate Diploma in Enterprise Resource Planning (ERP) with additional intake at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati, from the academic year 2020-21. Also, two new Programmes in Data Science and Artificial Intelligence and Integrated Product Design and Development were introduced in the last academic year. The array of these programmes is further expanded from the current academic year 2021-22 with the addition of following three new programmes

- ✓ Post Graduate Diploma in Internet of Things (IoT) in association with KPIT, Millennium Semiconductors India Pvt. Ltd., Three MediaTech Co. Pvt. Ltd., Alpha-ICT. The Programme is coordinated by the Department of Electronic & Telecommunication Engineering, COEP.
- ✓ Post Graduate Diploma in Industrial Automation (PGDIA) in Blended Mode, the Programme is coordinated by the Department of Instrumentation and Control Engineering, COEP.

- ✓ Post Graduate Diploma in Materials Technology for Smart Manufacturing: Industry 4.0 Perspective (PGDMTSM), the Programme is coordinated by the Department of Department of Metallurgy & Materials Science, COEP.

➤ **New Post Graduate Degree Programme in Transportation Engineering**

A new Post Graduate Degree Programme in Transportation Engineering offered by the Civil Engineering department will be started from the AY 2021-22 with a sanctioned intake of 24 students.

➤ **Research Outcomes**

• **Publication of Journal**

- ✓ The Institution of Engineers (India) [IEI] will soon be publishing a special edition Journal on the Impact of Pandemic on various sectors, including education sector. COEP was bestowed upon with the responsibility to review/ edit these Research Papers based on the research findings of the scientific studies conducted by the education fraternity. Prof. Mukul Sutaone, Deputy Director, COEP reviewed and edited all the research papers received from various faculty and students from different institutes across the country.

• **Patents Granted**

5 new patents for the following inventions were granted to the institute in the last academic year.

- ✓ Patent for the invention “Battery Models, Systems, and Methods Using Robust Fail - Safe Iteration Free Approach for Solving Differential Algebraic Equations.” was granted by the United States Patent Office on 8 September 2020 with Patent no.- US 10,769,236 B2
Inventors: - Dayaram Sonawane, Seattle, WA (US); Manan Pathak, Seattle, WA (US); Venkat Subramanian, Seattle, WA (US); Matthew Lawder, St. Louis, MO (US)

- ✓ Patent titled as “Variable Loading Pin-On-Plate Reciprocating Sliding Tribometer” was granted by the Patent office, Government of India, Mumbai on 25 September 2020 with Patent no: 347732.

Inventors: - Mr. Sachin Mhatre, Dr. S. M. Patil, Dr. B. B. Ahuja

- ✓ Patent titled as “Process for Preparation of Geopolymer-Composite Articles” wide Application no: 1957/MUM/2014 was granted by the Patent office, Government of India, Mumbai on 1 December 2020 with Patent no: 352755.

Inventors: - Mr. Suresh Charthal Jayesh, Ms. Saurabha Chandarana, Dr. Mrs. Hema Kishore Munot

- ✓ Patent for the invention titled “Variable Speed Drive System with Ball Cluster” was granted on 5 February 2021 with Patent No: 357923.

Inventors: - Dr. B. B. Ahuja, Mr. S. R. Bahulikar

- ✓ Patent for the invention entitled “An Orthopaedic Plaster Splint” was granted on 30 April 2021 with Patent no: 365828.

Inventors: - Mr. Mayur Sanas, Dr. B. B. Ahuja, Dr. Mrs. Aarti Mulay, Dr. Ashish Ranade

- **Research collaboration with International Organizations**

- ✓ Dr. D. N. Sonawane, Associate Professor & Head, Department of Instrumentation and Control, COEP, has jointly published a research paper with Dr. John Gustafson a renowned American scientist working in High Performance Computing and having the Law by its name as Gustafson's Law and with Prof. Michal Kavasnik from Slovak University of Technology, Bratislava, Slovakia. The research Paper title as “A Framework for Embedded Model Predictive Control using Posits” was published in the prestigious 59th IEEE Conference on Decision and Control (CDC), held at Jeju Island, Republic of Korea during 13 to 15 December 2020.
- ✓ Mr. Naman Bajaj, BTech (Mechanical), member of Astronomy Club at COEP, was elected as a “Fellow of the Royal Astronomical Society of London.”

❖ **STUDENTS ACHIEVEMENT**

- **COEP Team Orion won the “Best Debutant Team” award at the national level SAE INDIA TIFAN competition**
- ✓ COEP Team Orion, which participated in TIFAN 2020, a national level agricultural machine development competition for the first time, has won the “**Best Debutant Team**”. The award consists of a trophy and a cash prize of Rs. 25,000/-
- **SAE NIS Efficycle, a National Level Competition for developing a Hybrid Vehicle**
Team Velociracers of COEP were the 1st Runner Up for the Best CAE presentation under both the categories of Advanced Hybrid and Advanced Electric at the SAE-NIS Efficycle 2020 held virtually from 17 Sept to 4 Oct.

➤ **BAJA SAE, An All-Terrain Vehicle Competition**

COEP Team Nemesis participated in the BAJA SAE India 2020 held virtually in April 2021 and won the 2nd prize for Best 4WD Team Award.

➤ **Six Teams from COEP won Wipro Earthian Award 2020**

- ✓ Six teams from the Planning Programme of COEP have won the 'Wipro Earthian Award 2020'. Wipro Earthian Sustainability is a National Level Competition hosted and organized by Wipro Foundation. The objective of the competition is to discover urban issues in Indian cities. Every year the competition selects eight best projects within the domain undertaken by teams of college students across all disciplines at national level. This year out of the eight winning teams six teams were from COEP.
- ✓ COEP has been participating and consistently winning awards every year (by at least one team) since 2016. Continuing the legacy, this year too six teams from COEP comprising of the students from Second Year to Final Year B. Planning who have won the award.
- ✓ *COEP is the only institute to achieve this feat since the inception of this award.*

➤ **ROBOCON 2020**

- ✓ COEP team was awarded the Judge's Special Award in DD ROBOCON 2020, a national level competition aimed to select teams that will represent India at ABU Robocon in Suva, Fiji, organized by IIT Delhi in online mode on 27 October 2020.

➤ **Most Promising Chapter Award by ISHRAE**

- ✓ COEP was awarded the Most Promising Chapter Award 2020 by Indian Society of Heating Refrigerating and Air Conditioning Engineers (ISHRAE) New Delhi for undertaking different technical activities at national and international level.

➤ **Success at the Defence Services Examination**

- ✓ Mr. Pratik Kothawade, a student of B.Tech. Production Engineering, 2020 batch has secured All India Rank-1 in Combined Defence Services Examination (I), 2020 conducted by the Union Public Service Commission in February 2020.

❖ **EXTRA-CURRICULAR / CO-CURRICULAR EVENTS**

The institute has 42 clubs (13 Technical, 25 non-technical and 4 campus festivals) and 6 professional societies. Despite the lockdown, more than 160 social, cultural, technical activities were conducted virtually throughout the year, with participations from across the globe.

- ✓ The 14th edition of "MINDSPARK", the "Technical Fest" with the theme Delve into Tech-Future was held virtually. Several lectures, competitions and exhibitions were organized virtually from September to December 2020.
- ✓ The 5th edition of "IMPRESSIONS": an Inter-Collegiate Cultural Festival was organized during 20 to 22 December 2020. The first ever online edition of Impressions added glorious feathers in its cap even in uncertain times, through its newfound global outreach, a patronage from UNESCO (INCCU), and an even stronger online presence with judges, performers and participation from all around the globe.
- ✓ The 19th edition of intercollegiate Sports Fest- "ZEST 2021" too was held virtually and several sports competitions, quizzes, marathons were organized online through the year, raising the sportsmanship culture amongst the students across the globe.
- ✓ The Pune Start-up Fest organized by the BHAU's Entrepreneurship Cell of COEP was held on 27 and 28 February, 2021. It was a grand fest, culminating in an exhibition of 84 start-ups, keynote lectures, panel discussions attended by huge audience virtually.
- ✓ The 93rd Regatta was held in a blended mode on 11 July 2021.
- ✓ Programme Under Ek Bharat Shreshtha Bharat (EBSB) Scheme
- As the part of the celebration of the birth anniversary of late Dr. A.P.J. Abdul Kalam on 15 October 2021, observed as the Vachan Prerana Din, renowned Odiya /Hindi poet Prof. Shakti Mohanty was invited to have online interactive session with the students and faculty of COEP and GITA.
- Mr. Prashant M. Jejurikar, Senior Project Manager at Graviton Consulting Services was invited to deliver a talk to enlighten the students and faculty at COEP and GITA, Bhuwaneshwar (COEP is paired with GITA under the EBSB Programme of the Ministry of Education, Govt. of India) about the Statue of Unity and its importance towards Ek Bharat Shreshtha Bharat on the Birth Anniversary of Sardar Vallabhbhai Patel at COEP on 31 October 2020.
- ✓ The 151st birth anniversary of Mahatma Gandhi was celebrated at COEP on 2 October 2020 online, due to the ongoing Covid 19 pandemic. The faculty and students

administered the Swachhta pledge to remain committed towards cleanliness and were appealed to undertake cleanliness programmes in their nearby areas.

- ✓ On the World Mental Health Day 10 October 2020, 'Mitr' COEP's Counselling Centre organized an online Panel Discussion on the theme "Mental Health for All" with the experts, Dr. Shishir Palsapure [Psychotherapist, Motivational Speaker] and Dr. Alok Bajpai [Psychiatrist, Teacher, Speaker, Trainer].

❖ **INNOVATION & Entrepreneurship**

- **CoEP's Startup and Innovation Policy**

- ✓ The institute has formulated the "start up and innovation policy" for faculty and Students with the aim to foster innovation & start-up culture amongst students and faculty. The policy is functional from the current academic year and will be empowering the budding startups through funds, networking, infrastructure, and awards.

❖ **TRAINING & PLACEMENT**

- To facilitate the recruitment drives and internships of the students during the pandemic, the institute purchased the Superset software which is an online platform for student's recruitment and internships.
- With 153 companies visiting the campus, 63.10% of the B. Tech students and 40.65% of the M. Tech students are placed from the batch graduating in August 2021. Placement process of 60 companies is currently ongoing.
- Maximum packages offered to these students - 37.00 LPA., by D.E. Shaw, 33.50 LPA by Arcesium, 23.00 LPA. by Goldman Sachs, 19.63 LPA by Deutsche Bank, were among others.

❖ **INDUSTRY INSTITUTE COLLABORATION**

- The Bajaj Group of Industries and MacDermid Alpha Solutions has donated an amount of Rs. 100 Lakhs each to support the infrastructural development at the department of Electronics and Telecommunication Engineering COEP, to establish the Centre for Advanced Electronics Manufacturing and Skills Development for setting up the Surface Mount Technology Assembly Line.

- Full-Time PhD Fellowship Endowment for Ph. D Scholars at COEP was offered by the Finolex Group of Industries with a donation of Rs. 300 Lakhs.
- The “Bhoomipujan” ceremony of the following two externally supported infrastructural development projects was held recently at COEP.
- ✓ “Bhoomipujan” Ceremony of Restoration of the "Old Mechanical Engineering Drawing Hall and House of Clubs" of the Bajaj School of Mechanical Engineering, COEP supported by Bajaj Group of Industries was held on 3 November 2020 in the august presence of Shri. Sanjiv Bajaj, Chairman and Managing Director, Bajaj Finserv Limited; Shri. Pratap Pawar, Chairman, BOG, COEP; COEP Alumni (Class of 1965-69) and Board Members.
- ✓ “Bhoomipujan” Ceremony of the construction of the New Library building and Dr. (Mrs.) Gauri Shah School of Computer Engineering and Information Technology, supported by Mrs. Rajni and Mr. Sudhir Shah with a donation of Rs. 5 crores in the memory of their daughter and COEP alumna, late Dr. (Mrs.) Gauri Shah was held on 20 November 2020 in the august presence of Mrs. Rajani and Mr. Sudhir Shah, Shri. Pratap Pawar, Chairman, BOG, COEP, COEP Officials and Alumni members.
- Vascon Engineers Ltd. has supported retrofitting of the existing Civil Engineering Main Drawing Hall at COEP with funding at the tune of Rs. 4 Crore. An MOU regarding the same was signed on 25 November 2020 between Vascon Engineers Ltd. and COEP.

❖ MAJOR NATIONAL AND INTERNATIONAL CONFERENCES/ EVENTS ORGANIZED

- ✓ Online Symposium on Internet of Things (IoT-2020) organized by Department of Computer Engineering and Information Technology, & COEP's Information and Cyber Security Research Group (COEP's ICSRG) was held on 31 October 2020.
- ✓ AICTE sponsored ATAL one-week online faculty development program on "Robotics" (for CBSE Teachers) was organized by Department of Manufacturing Engineering & Industrial Management, COEP from 23 - 27 November 2020.
- ✓ TEQIP Phase-III Sponsored One Week Online STTP on “Opensource Technologies in Cyberspace” (OTC-2020) was organized by COEP's Information and Cyber Security

Research Group Department of Computer Engineering and IT in association with The Institution of Engineering and Technology from 23 - 27 November 2020.

- ✓ “Awareness Webinar on Outcome Based Education and Accreditation” was organized by NBA, New Delhi in association with Directorate of Technical Education, Maharashtra State and College of Engineering Pune on 27 November 2020.
- ✓ One Day Online Webinar Sponsored by NBA on Awareness Webinar on Outcome Based Education and Accreditation was organized by DTE, Maharashtra and COEP on 27 November 2020.
- ✓ A webinar with the Indian Space Research Organization (ISRO) was organized as a part of the Technical Exhibition Series at COEP on 15 December 2020.
- ✓ A national conference on “Cyber Security: Awareness and Challenges” for Teachers was hosted by the Department of Computer Engineering and Information Technology on 11 February 2021.
- ✓ International Conference on “Advances in Construction Technology and Management 2021” (ACTM – 2021) was hosted by the Department of Civil Engineering on 11 -12 March 2021.

❖ **MEMORANDUMS OF UNDERSTANDING (MOUS)**

- A total of 21 MOUs with different Universities and organizations were signed in the year 2020-21. These organizations have extended their support for conducting various academic, non-academic, research and exchange programmes for the students and faculty at COEP.

❖ **MAJOR PROGRAMMES ORGANIZED BY ALUMNI ASSOCIATION**

- Motivational talk by Shri Gaur Gopal Das, Monk, Author, Lifestyle Coach and COEP, alumnus (Electrical Engineering, 1995) was organized in a virtual mode on 24 June.
- The COEP CXO Global Summit and the COEP distinguished alumni awards held on 26 June 2021, celebrated the excellence of COEP and the COEP alumni. Following were the distinguished COEP Alumni who were awarded the COEP Abhiman Awards.

Recipient of the COEP Abhiman Award 2019-20

- ✓ Mr. H.E. Godbole, Pioneer in making one of India's first shell molding machine
- ✓ Mr. Sandeepkumar Salunkhe, Additional Director of Income Tax (Investigation)
- ✓ Mr. Shashikant Limaye, Chief Engineer of Konkan Railways
- ✓ Dr. V.R. Katti, recipient of Padmashri Award and ISRO scientist

Recipient of the COEP Abhiman Award 2020-21

- ✓ Mr. Ashish Kulkarni, Decorated Rear Admiral in the Indian Navy
- ✓ Mr. Milind Sohoni, Deputy Dean at the Indian School of Business (ISB)
- ✓ Dr. Ramesh Raskar, 90+ US patent holding MIT Professor
- ✓ Mr. Robert D. John, Director & CEO, Amphenol Interconnect India Pvt. Ltd.
- ✓ Mr. Vikas S. Kharage, IAS, Principal Secretary (IAS) to Hon'ble Chief Minister of Maharashtra

The event also saw the launch of the COEP Student Support Club and a fundraise of ~ INR 12 Lakhs, which will enable us to support at least 40 COEP student's food bills (i.e. mess expenses - 35,000 per student per year), or laptops or College Fees. We continue to raise funds through the fundraiser website - <https://milaap.org/fundraisers/support-alumni-association-of-coep> .

- Covid '19 vaccination drives for COEP alumni, and their family members was conducted on 27 June 2021.

❖ SOCIAL INITIATIVE SUPPORTED BY COEP**➤ Outstanding contribution of COEP alumnus to academic, technical, social development**

- ✓ An article was released in Sakal newspaper on 19 September 2020 mentioning the outstanding contribution of COEP alumnus, Prof. Rahul Panat in developing a rapid antibody testing device which will enable easy and speedy detection of COVID amongst patients. Prof. Rahul Panat is a COEP Alumnus (Mechanical Engineering, Batch-1993-97) and is currently working as Associate Professor in the Department of Mechanical Engineering at Carnegie Mellon University, USA.

➤ COEP Volunteers to support the fight against COVID'19

- ✓ The members of NSS and Spandan Club at COEP, are still voluntarily making masks and distributing amongst the localities at their respective hometowns.

- ✓ Online awareness campaigns are conducted regularly by NSS unit and faculty about preventive healthcare across the state with publicity done through social media.
- ✓ Online counseling of students from COEP & other institutes, staff and teachers is done through MITRA.
- ✓ Student volunteers have continued to contribute their services at the corona war rooms set up by the Pune Municipal Corporation and Pimpri-Chinchwad Municipal Corporation.
- ✓ Alumni, student and faculty volunteers are contributing in the local health surveys, consultation to migrant workers, provision of food and ration, transportation facility guides etc.

➤ **Environmental Initiative**

- ✓ With reference to the Government of Maharashtra's resolution to celebrate Bird's Week every year during 5-12 November in respect of birthdays of the well-known personalities in nature literature, Shri. Maruti Chitampalli and Internationally recognized Scientist Salim Ali, a short function to publish a list of avifauna (birds) from the college Campus, was held on 12 November 2020. The list is compiled by the young enthusiastic bird watchers' from COEP and Pune city and was published in the august presence of Mrs. Manisha Mhaiskar, Hon. Principal Secretary, Environment, Govt. of Maharashtra (IAS).

❖ **COLLEGE RANKING AS PER THE RESULTS OF VARIOUS SURVEYS IN 2020-2021**

COEP has been consistently ranked amongst the top 10 to 15 best engineering institutions in the country by different surveys conducted by various agencies, competing with the IITs and NITs. As per the recent survey results of various survey agencies, rankings for COEP this year are as under:

- ✓ **GHRDC-CSR:- 2nd** at national level under the category of top leading Engineering Colleges of Super Excellence.
- ✓ **"Digital Index 2020" by Dataquest & CMR :- 3rd** at national level and 1st in the West zone under the category of Top 100 Tech-enabled T- Schools in the country.
- ✓ **Times:- 4th** at national level under the category of Top performing Government Engineering Institution.
- ✓ **India Today:- 15th** at national level under the category Top 30 Best Government Engineering Institutions

- ✓ **Outlook:-** 18th at national level under the category of Top performing Government Engineering Institution.

A fortune brought by the Covid'19 misfortune is that the national boundaries are disappearing, and potential ideas and technologies are being exchanged, changing the lives of people globally. Adapting to this new era which brought digital revolution in true sense, let us all try to make most of this fortune and do the best for ourselves and our society.

I once again extend my warm wishes to all the graduating students for all their future ventures. You have not only honoured your parents with this distinction but also carved a moment of pride for your institute. May you all grow from strength to strength and may more laurels come your way. I also appeal all our students to keep on participating in activities of the institute through the Alumni Association. Please join our hands to do our little bit to our alma mater that has nourished and nurtured us, galvanized our talents, instilled confidence in us and molded us into competent global citizens.

Thank you.

Jai Hind and Jai Maharashtra!

B. B. Ahuja

Officiating Director

College of Engineering Pune

❖ **ACADEMIC PROGRAMMES OFFERED**

| Undergraduate Programmes; Duration- 4 Years | | |
|---|-------------------------|---------------|
| Programme | Year of starting | Intake |
| A) Engineering & Technology Programmes (B. Tech.) | | |
| Civil Engineering | 1854 | 60 |
| Mechanical Engineering | 1912 | 120 |
| Electrical Engineering | 1932 | 60 |
| Electronics & Telecommunication Engineering | 1948 | 60 |
| Metallurgy & Materials Technology (<i>Old Nomenclature- Metallurgical Engineering</i>) | 2020 1948 | 60 |
| Instrumentation & Control Engineering | 1965 | 30 |
| Computer Engineering | 1992 | 120 |
| Manufacturing Science & Engineering [Regular Pattern] (<i>Old Nomenclature Production Engineering -Sandwich Pattern</i>) | 2020 1995 | 60 |
| TOTAL | | 570 |
| B) PLANNING PROGRAMMES (B. PLANNING) | | |
| B. PLANNING | 2011 | 60 |
| GRAND TOTAL | | 630 |

| Post graduate Programmes; Duration-2 years | | |
|--|------------------|------------|
| Programmes- Specializations | Year of starting | Intake |
| A) Engineering & Technology Programmes (M. Tech.) | | |
| Department of Civil Engineering | | |
| Construction Management | 1952 | 18 |
| Structural Engineering | 1952 | 18 |
| Geo-Tech Engineering | 1952 | 18 |
| Environment & Water Resource Engineering (<i>Old Nomenclature- Hydraulic Engineering</i>) | 2010 (1952) | 18 |
| Transportation Engineering | 2021 | 24 |
| Department of Mechanical Engineering | | |
| Thermal Engineering (<i>Old Nomenclature- Heat Power</i>) | 2010 (1957) | 18 |
| Design Engineering | 1968 | 18 |
| Automotive Technology | 2010 | 36 |
| Department of Electrical Engineering | | |
| Embedded Control Systems (<i>Old Nomenclature- Control System</i>) | 2016 (1956) | 18 |
| Power Electronics & Power Systems (<i>Old Nomenclature- Power System</i>) | 2016 (1956) | 18 |
| Power Electronics and Machines Drives | 2016 | 24 |
| Department of Electronics & Telecommunication Engineering | | |
| Wired & Wireless Communication (<i>Old Nomenclature- Electronics & Instrumentation</i>) | 2010 (1952) | 18 |
| VLSI & Embedded Systems (<i>Old Nomenclature- Computer Engineering</i>) | 2010 (1987) | 18 |
| Digital Systems | 1987 | 18 |
| Signal Processing (<i>Old Nomenclature- Microwave Engineering</i>) | 2010 (1952) | 18 |
| Department of Manufacturing Engineering and Industrial Management | | |
| Manufacturing Engineering and Automation | 1994 | 18 |
| Mechatronics | 2010 | 18 |
| Project Management | 2012 | 18 |
| Robotics & Artificial Intelligence (<i>Old Nomenclature-Artificial Intelligence & Robotics</i>) | 2021 (2020) | 18 |
| Department of Computer Engineering | | |
| Computer | 1997 | 18 |
| Information Security | 2016 | 24 |
| Department of Metallurgy and Materials Science | | |
| Materials Engineering (<i>Old Nomenclature- Physical Metallurgy</i>) | 2016 (1959) | 18 |
| Process Metallurgy | 1987 | 18 |
| Department of Instrumentation & Control Engineering | | |
| Bio Medical Instrumentation | 2000 | 18 |
| Process Instrumentation | 2000 | 18 |
| Total | | 486 |
| B) Planning Programmes (M. Planning) | | |
| Town & Country planning | 1966 | 31 |

| C) Management Studies | | |
|--|------|------------|
| Masters of Business Administration (MBA) | 2020 | 30 |
| GRAND TOTAL | | 547 |

| One Year Full Time Post Graduate Diploma Programmes; Duration- 1 Year | | |
|---|-------------------------|---------------|
| Programme | Year of starting | Intake |
| Enterprise Resource Planning (Extended campus at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati) | 2013 (2020) | 35 60 |
| Additive Manufacturing | 2015 | 30 |
| Rail and Metro Technology | 2019 | 30 |
| Electric Mobility | 2019 | 60 |
| Data Science and Artificial Intelligence, | 2020 | 60 |
| Integrated Product Design and Development, | 2020 | 30 |
| Internet of Things (IoT) | 2021 | 30 |
| Industrial Automation | 2021 | 30 |
| Materials Technology for Smart Manufacturing: Industry 4.0 Perspective. | 2021 | 30 |

| Ph. D programmes | |
|----------------------------|--|
| Programme | Intake |
| Across all the disciplines | As per the norms of Savitribai Phule Pune University |

❖ MEMBERSHIPS TO SOCIETIES/ PROFESSIONAL BODIES

| Name of Society/ Professional Body | Name of Faculty |
|---|--|
| Department of Applied Science | |
| Indian Thermal Analysis society (Life Member) | Dr. Manisha Khaladkar |
| Indian Society for Technical Education, ISTE (Life Member) | Dr. Manisha Khaladkar Mrs. Nandini V.Iyer Dr. Kavita Suranje Dr. Ganesh Agawane |
| National Academy of Psychology (NAOP) | Dr Kshipra V Moghe |
| Pune Chapter of English Language Teachers' Association of India (ELT@I) | Dr. Leena Jadhav Mr. Avinash Khandizod |
| Linguistic Society of India (LSI) International Society for Educational Leadership (ISEL) | Dr. Leena Jadhav |
| Society for Advancement of Electrochemical Science & Technology (SAEST) Life Member | Mrs. Nandini V. Iyer Dr. Kavita Suranje |
| American Chemical Society Life Membership | Dr. Ganesh Agawane |
| Korean Ceramic Society, South Korea | |
| Korean Photovoltaic Society, South Korea | |
| Pune Chapter of English Language Teachers' Association of India (ELT@I) Sharada Shakti/ Vijnan Bharati | Mrs. Aparna Khandekar |
| Department of Civil Engineering | |
| Member, American Society of Civil Engineers (M.ASCE), 2016 [ID No. 980408] | Dr. M. S. Ranadive |
| Fellow, Institution of Engineers, (India), (No. F-119943) | |
| Member of Indian Roads Congress, 2003 (OM-28792) | |
| Life Member of Indian Geotechnical Society (LM 1953), 2002, | |
| Member of Association of Consulting Civil Engineers (India) (L.No. 1569) | |
| Member of Indian Concrete Institute (LM 8155), 2006. | |
| Life Member Indian Society for Technical Education (No. LM 33762) | |
| Fellow Member Institution of Engineers (India) | Dr. Parag Sadgir |
| Fellow Member Indian Water Resources Society | |
| Fellow Member Indian Association of Hydrologists Roorkee | |
| Fellow Member Indian Water Works Association | |
| Life Member Indian Society for Technical Education | |

| Name of Society/ Professional Body | Name of Faculty |
|--|---------------------|
| Life Member of Indian Society for Technical Education- LM13601 | Dr. Kailas A. Patil |
| Life Member of Indian Geotechnical Society - LM 2220 | |
| Life Member of Indian Road Congress- LM29451 | |
| Life Member of Indian Water Resources Society- LM-03-5440 | |
| Life Member of ASCE India section- LM-1076 | |
| Life Member of Indian Agri Sc & Water Conservation LM-1487-P | |
| Life Member of Indian Plumbing Association LM- 3380 | |
| International Association of Computer Science and Information Technology (IACSIT) Member NO.: 80333672 | Dr. N. M. Mohite |
| The Environmental & Water Resources Institute of American Society of Civil Engineering's (ASCE) Member No: 970716 | |
| Indian Plumbing Association (IPA), honorary member of Executive committee, Pune Chapter (MB. No 1998). | |
| Fellow of Institution of Engineers | Dr. S. N. Madhekar |
| Ex Chairman (Pune) Indian Society of Geomatics | |
| Life Member and Convenor (Pune) Indian Water Resources Society | |
| Life Member of Indian Society of Hydraulics | |
| Life Member of ISTE (LM3494) [3.5.1989] | |
| Fellow Member of Institution of Engineers (F116075-5) | |
| Life Member of Alumni Association of COEP, Pune-5 (LM-140) | |
| Life Member of Indian Concrete Institute (LM7069) [29.1.2003] | |
| Life Member of ISSE (LM 624) | |
| Life Member of Maharashtra India Chapter of ACI (LM24) | |
| Founder and Life Member, Ferrocement Society, Pune (LM 011) | |
| Indian Association of Structural Rehabilitation, INDIAN ASTR, Mumbai, LM (A0058) | |
| Member of Alumni association of IIT Bombay (LM 100455) | |
| Indian Society of Earthquake Technology (ISET), IIT Roorkee, (LM 1492) | |
| Life - Fellow Member of Indian Institute of Bridge Engineers, (LF: 1803) | |
| Life member National Information Center for Earthquake Engineering (NICEE), IIT Kanpur | |
| Associate Member, American Society of Civil Engineers (ASCE) | |
| Life Member, Indian Society of Applied Mechanics (ISAM) (LM 39) | |
| Life Member, Indian Society for Construction Materials and Structures (ISCMS), IIT Roorkee, Registration No. S/23575 | |

| Name of Society/ Professional Body | Name of Faculty |
|--|------------------------|
| Indian Water Resources Society, Dept. of WRD&M, Indian Institute of Technology, Roorkee LM No.2019-7838 | Dr. Ishwar P. Sonar |
| Life Member of Indian Society Technical Education-LM64267 | Mrs. Y. T. Lomtepatil |
| Indian Society of Technical Education | Mr. A. R. Akhare |
| Life member of Indian Meteorological Society, Pune Fellow of Institute of Engineer, Calcutta, India (FIE) Fellow Member of Institute of Town Planners, India (AITP) Life Member of Indian Society of Technical Education (ISTE) Life Member of Indian Society for Construction Materials and Structures (ISCMS), New Delhi, India | Prof. Pratap Raval |
| Chartered Engineer, Institute of Engineers, India Institute of Town Planners, India, A M-2005-003 Institute of Urban Transport (India), A M –782 Regional Science Association, India, L M -355 Institute of Engineers, India, A M-092896/0 Indian Water Resources Society, L M- 2004-5961 Indian Society for Wind Engineering, LM – 363 Indian Building Congress, M-3257 The Indian Society for Technical Education, LM – 90763 Association of Socio-Economic Development Studies, LM | Dr. Sanjaykumar Sonar |
| Member of Council of Architecture, India. Associate member of Institute of Town Planners, India. Associate member of Indian Institute of Architects. Life member of Indian Society for Technical Education. Life member of Regional Science Association, Calcutta. | Dr. Arati Petkar |
| Associate at Institute of Town Planners India (ITPI) | Mrs. Neha Verma |
| Member of Council of Architecture Associate member of Institute of Town Planners, India Member of International Academy for Science & Technology Education and Research (IASTER) | Mrs. Amruta Deshpande |
| Council of Architecture | Mr. Yogesh Keskar |
| Membership of Council of Architecture – (CA/2016/79058) Membership of Indian Institute of Architects – A-21870 | Mrs. Pooja Gandhile |
| Council of Architecture (CoA)- CA/2018/94983 | Mrs. Lisha Bendre |
| Associate at Institute of Town Planners India (ITPI) | Mr. Yogesh Keskar |
| Council of Architecture (CoA) | Ms. Shubhangi Thakare |

| Name of Society/ Professional Body | Name of Faculty |
|--|--|
| Department of Computer Engineering & Information Technology | |
| Association for Computing Machinery (ACM) | Mr. A D Joshi Dr. D.D. Kshirsagar Mrs. P R Deshmukh Ms. K V Pawar |
| Associate Member of Institution of Engineers (AMIE) | Dr. Y.V. Haribhakta |
| Computer Society of India (CSI) | Dr. V. Z. Attar Dr. V.S. Inamdar Dr. V.K. Pachghare Dr. Y.V. Haribhakta Mr. Abhijit. A. M. Mr. A. D. Joshi |
| Computer Supported Telecommunications Applications (CSTA) | Dr. V.K. Pachghare, Mr. R. B. Adhao, Mr. S. A. Hirve |
| Indian Society for Technical Education (ISTE) | Dr. V. Z. Attar Dr. Jibi Abraham Dr. V.S. Inamdar Dr. V.K. Pachghare Dr. Y.V. Haribhakta Mr. S. N. Ghotkar Mr. Abhijit. A. M. Mr. A. D. Joshi Mr. S.S. Kumbhar Mr. S. K. Gaikwad Ms. A.B. Patil Mrs. A. S. Biswas Mr. V. K. Khatavkar Mr. V. M. Khadse Mrs. P. R. Deshmukh Mrs. S. N. Ghosh |
| International Association of Engineers (IAENG) | Dr. V.K. Pachghare Dr. S. B. Mane Mrs. S. P. Kalamkar |

| Name of Society/ Professional Body | Name of Faculty |
|---|--|
| Institution of Engineering and Technology (IET) | Dr. V. Z. Attar Dr. Jibi Abraham Dr. V.S. Inamdar Dr. S. B. Mane Ms. R. Y. Sarode Mr. S. A. Hirve |
| Institute of Electrical and Electronics Engineers (IEEE) | Dr. V. Z. Attar Dr. Jibi Abraham Dr. V.S. Inamdar Dr. S. B. Mane Mr. A. D. Joshi Mrs. S. N. Ghosh Dr. S. D. Patil Mrs. S. P. Kalamkar Mr. S. A. Hirve Ms. K. V. Pawar |
| Industrial Engineering (IE). | Dr. V. Z. Attar |
| International Association of Computer Science and Information Technology (IACSIT) | Dr. V.K. Pachghare, Dr. S. B. Mane |
| International Society for research & Development (ISRD) | Mrs. S. P. Kalamkar |
| Life Member of India Society for Technical Education (LMISTE) | Dr. S. B. Mane Mrs. S. P. Kalamkar |
| Life Member Computer Society of India (CSI) | Dr. S. B. Mane Mr. S. A. Hirve |
| Department of Electrical Engineering | |
| Indian Society for Technical Education (ISTE) | Mrs. A.V. Tare Dr. Mrs. U. M. Mate Dr. Mrs. Meera Murali Dr. Mrs. S. P. Ghanegaonkar Dr. S. S. Dambhare Dr. V. N. Pande Dr. Mrs. S. R. Kurode Dr. Mrs. S. V. Jadhav Dr. R. T. Ugale Dr. Mrs. A. G. Thosar Dr. Mrs. V. S. Rajguru |
| Power & Energy Society (PES) | Dr. Mrs. S.V. Unde Dr. Mrs. A. G. Thosar Dr. S. S. Dambhare Dr. P. N. Gawande |

| Name of Society/ Professional Body | Name of Faculty |
|---|--|
| Institute of Electrical and Electronics Engineers (IEEE) | Dr. Mrs. S.V. Unde Dr. Mrs. Meera Murali Dr. S. S. Dambhare Dr. P. N. Gawande Dr. Mrs. S. R. Kurode Dr. R. T. Ugale Dr. Mrs. A. G. Thosar |
| Institution of Engineering and Technology (IET) | Dr. S. S. Dambhare Dr. Mrs. S. R. Kurode Mr. S. M. Kakade |
| Solar Energy Society of India (SESI) | Dr. Mrs. A. G. Thosar |
| Indian Society of Lighting Engineers (ISLE) | |
| Institution of Engineers India (IEI) | Dr. Mrs. U. M. Mate Dr. Mrs. A. G. Thosar Dr. V. N. Pande Mr. M. D. Bagewadi |
| The Institution of Electronics and Telecommunication Engineers (IETE) | Dr. S. S. Dambhare |
| Computer Society of India (CSI) | Dr. Mrs. S. R. Kurode |
| Automatic Control & Dynamic Optimization Society (ACDOS) | |
| Eurohaptics | Mr. S. M. Kakade |
| Department of Electronics and Telecommunication Engineering | |
| Institute of Electrical and Electronics Engineers (IEEE) | Dr. P. P. Rege Dr. M. S. Sutaone Dr. S. P. Mahajan Dr. R. A. Patil Dr. V. S. Vyas Dr. R. D. Joshi Dr. S. P. Metkar Dr. D. V. Niture Dr. Abhishek Bhatt Ms. Ashwini Kulkarni Mr. S. G. Mali |
| Institution of Engineering and Technology (IET) | Dr. R.A. Patil Dr. S. P. Metkar |
| Institution of Engineers India (IEI) | Dr. Abhishek Bhatt Ms. Ashwini Kulkarni |
| Biomedical Engineering Society of India (BMESI) | Dr. P. P. Rege |
| Audio Engineering Society (AES) | Mr. S.G. Mali |

| Name of Society/ Professional Body | Name of Faculty |
|---|-------------------------------------|
| Indian Society for Technical Education (ISTE) | Dr. P. P. Rege |
| | Dr. R. A. Patil |
| | Dr. R. D Joshi |
| | Dr. S. P. Metkar |
| | Ms. Ashwini Kulkarni |
| Institution of Electronics and Telecommunication Engineers (IETE) | Dr. P. P. Rege |
| | Dr. R. A. Patil |
| | Dr. S. P. Mahajan |
| | Dr. P.P. Bartakke |
| | Dr. S. P. Metkar |
| | Mr. S. G. Mali |
| | Dr. R. C. Mahajan |
| | Ms. Ashwini Kulkarni |
| | Ms. Nilima Kolhare |
| Institute of Aeronautics and Engineering (IAE) | Dr. R. C. Mahajan |
| Institute for Smart Structures and Systems (ISSS) | Ms. Nilima Kolhare |
| International association of Computer science and Information Technology (IACSIT) | Dr. Abhishek Bhatt |
| International Association of Engineers (IAENG) | |
| Department of Instrumentation and Control Engineering | |
| Instrument Society of India (ISOI) | Dr. D. N. Sonawane |
| | Dr. U. M. Chaskar |
| | Dr. S. D. Agashe |
| | Dr. S L Patil |
| | Dr. C. Y. Patil |
| | Dr. P. D. Shendge |
| | Dr. R. P. Mudhalwadkar |
| | Mrs. Meera Khandekar |
| | Dr. Kalyani Bhole |
| | Mrs. Ketaki Ghodinde |
| Dr. Amruta Deshpande | |
| Biomedical Engineering Society of India (BMESI) | Dr. U. M. Chaskar |
| Institution of Engineering and Technology, UK (IET) | Dr. D. N. Sonawane |
| | Dr. U. M. Chaskar |
| | Dr. R. P. Mudhalwadkar |
| Automatic Control and Dynamic Optimization Society (ACODS) | Dr. D. N. Sonawane |
| Institute of Electrical and Electronics Engineers (IEEE) | Dr. S. D. Agashe Dr. S. L. Patil |
| Name of Society/ Professional Body | Name of Faculty |

| Department of Manufacturing Engineering and Industrial Management | |
|--|---|
| Editorial Board Member - Journal of Precision Technology [ISSN : 1755-2060 (Print) / 1755-2079(Online)] | Prof. B. B. Ahuja |
| Fellow - The Indian Institution of Production Engineers. | Prof. B. B. Ahuja |
| Fellow - Institution of Engineers (INDIA). | Prof. B. B. Ahuja |
| Member - Computer Society of India. | Prof. B. B. Ahuja |
| Member - Association for Machines & Mechanisms (INDIA). | Prof. B. B. Ahuja |
| Member - Operational Research Society of India. | Prof. B. B. Ahuja Dr. N. R. Rajhans |
| The Indian Institution of Production Engineers. | Dr. (Mrs.) A. V. Mulay |
| Member – Additive Manufacturing Society of India (AMSI) | Prof. B. B. Ahuja Dr. (Mrs.) A. V. Mulay |
| Member - The Institution of Engineering and Technology (IET) | Prof. B. B. Ahuja |
| Member – Robotics Society of India | Prof. B. B. Ahuja |
| Institute of Engineers | Dr. B. Rajiv |
| Indian Institution of Industrial Engineering | Prof. B. B. Ahuja Dr. N. R. Rajhans |
| Indian Society of Ergonomics | Dr. N. R. Rajhans |
| Indian Society of Technical Education | Dr. N. R. Rajhans |
| Indian Society of Technical Education | Dr. B. Rajiv |
| Computer society of India | Dr. N. R. Rajhans |
| Indian Society of Ergonomics (ISE) | Dr. Jayant Karajagikar |
| Tribology Society of India (TSI) | Dr. Jayant Karajagikar Dr. M. D. Jaybhaye Dr. B. U. Sonawane Dr. S. M. Patil |
| Department of Mathematics | |
| Life Member of Academy of Discrete Mathematics and its Applications (ADMA) | Dr. K. V. Dalvi Prof. M. S. Dhande Dr. C M Deshpande Dr. S. P. Kavishwar Dr. Y. M. Mahatekar Dr. J. T. Majithia Dr. P M Shinde Mr. D N Dhaytadak |
| Life Member of Indian Society of Technical Education (ISTE) | Dr. K. V. Dalvi Mrs. R. S. Kulkarni Mrs. N. V. Shinde |

| Name of Society/ Professional Body | Name of Faculty |
|--|--|
| Life Member of Indian Mathematical Society (IMS) | Dr. C M Deshpande Prof. M. S. Dhande Dr. S. P. Kavishwar Mrs. A. B. Dhere |
| Department of Mechanical Engineering | |
| Life membership of Combustion Institute | Dr. M. R. Nandgaonkar |
| Indian Society for Technical Education | Dr. A.P. Bhattu Dr. S. S. Mohite Dr. N D Shikalgar Mr. N.D. Dhote Dr. S. V. Lahane Dr. M R Nandgaonkar Dr. S. O. Durgam Dr. M. P. Khond Dr. P. S. Shinde Dr. N. K. Chougule |
| Society of Automotive Engineering | Dr. S. N. Sapali Dr. M. G. Karnik Mr. S. N. Tapase Dr. S. S. Mohite Ms. P. P. Suryawanshi Mrs. S. S. Mundra Dr. N D Shikalgar Mr. N. D. Dhote Dr. P. W. Deshmukh Dr. S. V. Lahane Dr. S. O. Durgam Dr. M.P.Khond Mr. A. D. Patange |
| Laser Institute of India | Dr. V. K. Haribhakta |
| American Society of Thermal Fluids Engineers | Dr. V K. Haribhakta Dr. S. O. Durgam Dr. M. P. Khond |
| Indian Society for Heat and Mass Transfer | Dr. P. W. Deshmukh Dr. S. O. Durgam |
| National Society of Fluid Mechanics and Fluid Power | Dr. S. V. Lahane Dr. M. P. Khond |
| Combustion Institute | Dr. S. V. Lahane |
| Member of Institution of Engineers | Dr. S. V. Lahane Dr. M. R. Nandgaonkar |
| American Society of Mechanical Engineers | Dr. S. V. Lahane Dr. S. O. Durgam |
| International information and Engineering Technology Association | Dr. S. O. Durgam |
| American Institute of Aeronautics and Astronautics | |

| Name of Society/ Professional Body | Name of Faculty |
|--|---|
| Society of Automotive Engineers (SAE) | Dr. P. R. Dhamangaonkar |
| Indian society for Advancement of materials and Processing Engineering | Dr. P. S. Shinde |
| Tribology Society of India (TSI) - Members | |
| American Society of Heating, Refrigerating and. Air-Conditioning Engineers | Dr. S. N. Sapali Dr. N. D. Shikalgar |
| Indian Society of Heating, Refrigerating and Air Conditioning Engineers | Dr. S. N. Sapali Dr. S. N. Tapase Dr. N. D Shikalgar |
| Fluid Power Society of India | Dr. M. P. Khond |
| Indian Institution of Industrial Engineering | |
| Quality Circle Forum of India | |
| Fellow member of Institution of Engineers | |
| IMechE London | Mr. A. D. Patange |
| Department of Metallurgy and Materials Science | |
| IIM National Council Nomination | Dr. S. P. Butee |
| INCERS National Council Member | |
| IIM Pune Chapter, Secretary | Dr. V. S. Poddar |
| Life member of The Indian Institute of Metals (IIM) | Dr. S. P. Butee, Dr. N. B. Dhokey, Dr. S. T. Vagge, Dr. Madhu Ranjan, Dr. S. B. Sarkar, Dr. V. S. Poddar, Mr. K. R. Kambale |
| Powder Metallurgy Association of India | Dr. S. P. Butee, Dr. N. B. Dhokey, Dr. Madhu Ranjan, Mr. K. R. Kambale |
| American Society of Materials | Dr. M. J. Rathod |
| Indian Institute of Welding (IIW) | Dr. M. J. Rathod, Dr. A. M. More |
| Indian Ceramic Society | Dr. S. P. Butee, Mr. K. R. Kambale |
| Indian Institute of Mineral Engineering | Dr. Madhu Ranjan |
| Indian Institute of Foundrymen | Dr. A. M. More |
| Tribology Society of India | Dr. Madhu Ranjan, Dr. S. B. Sarkar |
| Department of Physics | |
| Indian Society of Technical Education (ISTE) | Dr. Lata V Ekhande |
| Indian Science Congress Association (ISCA) | |

❖ NATIONAL / INTERNATIONAL CONFERENCES / SEMINARS / SYMPOSIA / WORKSHOPS ATTENDED

| Name of Department | No. of National Conferences Attended | No. of International Conferences Attended | No. of Workshop/ seminars Attended | No. of Refresher Courses/ STTP Attended | Total |
|---|---|--|---|--|--------------|
| Applied Science | -- | 5 | 22 | 22 | 49 |
| Civil Engineering & Planning | -- | 3 | 11 | 13 | 27 |
| Computer Engineering & Information Tehcnology | -- | 2 | 15 | 64 | 81 |
| Electrical Engineering | -- | 10 | 1 | 28 | 39 |
| Electronics and Telecommunication Engineering | -- | 22 | 6 | 36 | 64 |
| Instrumentation and Control Engineering | -- | 2 | -- | 49 | 51 |
| Manufacturing and Industrial Management | -- | 20 | 13 | 27 | 60 |
| Mathematics | 1 | 2 | 8 | 16 | 27 |
| Mechanical Engineering | 1 | 9 | 7 | 51 | 68 |
| Metallurgy and Materials Science | 7 | 7 | 46 | -- | 60 |
| Physics | -- | 2 | 18 | 11 | 31 |
| Total | 9 | 84 | 147 | 317 | 557 |

| National Conference Attended | | | | |
|---|--|----------------------------|-------------------------------|---------------------------------|
| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
| Department of Mathematics | | | | |
| 1 | Recent Trends in applied Sciences and Computing Engg | Shikhare | 18 to 20 December 2020 | VIT Bhopal, University (Online) |
| Department of Mechanical Engineering | | | | |
| 2 | Research Paper Competition, MINDSHARE India | Abhishek D. Patange | 15 February 2021 | IIT Delhi |
| Department of Metallurgy and Materials Science | | | | |
| 3 | Advancement in Material Processing Technology (AMPTto2020) | S. P. Butee | 31 October to 2 November 2020 | NIT Jamshedpur |
| 4 | Advancement in Material Processing Technology (AMPTto2020) | V. S. Poddar | 31 October to 2 November 2020 | NIT Jamshedpur |
| 5 | Advancement in Material Processing Technology (AMPTto2020) | M. G. Kulthe | 31 October to 2 November 2020 | NIT Jamshedpur |
| 6 | Advancement in Material Processing Technology (AMPTto2020) | K. Kambale | 31 October to 2 November 2020 | NIT Jamshedpur |
| 7 | Advancement in Material Processing Technology (AMPTto2020) | N. B. Dhokey | 31 October to 2 November 2020 | NIT Jamshedpur |
| 8 | Advancement in Material Processing Technology (AMPTto2020) | P. G. Ranaware | 31 October to 2 November 2020 | NIT Jamshedpur |
| 9 | Advancement in Material Processing Technology (AMPTto2020) | M. J. Rathod | 31 October to 2 November 2020 | NIT Jamshedpur |

| International Conference Attended | | | | |
|--|---|----------------------------|------------------------|---|
| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
| Department of Applied Sciences | | | | |
| 1 | Creative Education Online Conference by Council for Creative Education, Finland | Tanuja Kher | 10 to 12 June 2020 | Online |
| 2 | VISHVACON20 | M Y Khaladkar | 29 November 2020 | Online |
| 3 | International Conference English Literature Summit 2020 | Leena Jadhav | 12 to 13 December 2020 | Online |
| 4 | International Conference English Literature Summit 2020 | Viveka Singh | 12 to 13 December 2020 | Online |
| 5 | National webinar on Wetlands for our Future | Mahesh Shindikar | 2 February 2021 | Online |
| Department of Civil Engineering & Planning | | | | |
| 6 | Advances in Construction Technology and Management 2021 | All Faculty | 11 to 12 March 2021 | COEP |
| 7 | Online International Conference on "Sustainable Water Resources Development and Management", SWARDAM-2021 | K. A. Patil | 8 to 9 March 2021 | Online Government College of Engineering, Aurangabad |
| 8 | International Conference on Advances in Construction Technology and Management (ACTM-2021) | Nitin M. Mohite | 11 to 12 March 2021 | Civil Engineering Department, College of Engineering Pune |
| Department of Computer Engineering & Information Tehcnology | | | | |
| 9 | 8 th IEEE- INDIACOM International Conference | Sachi Nandan Mohanty | 17 to 19 March 2021 | New Delhi |
| 10 | 11th International Conference on Cloud Computing, Data Science & Engineering (CONFLUENCE) | Karishma Pawar | 28 to 29 January 2021 | Amity University, Uttar Pradesh, India |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|---|---|--|-------------------------|---|
| Department of Electrical Engineering | | | | |
| 11 | Sensorless Robust Controller for Buck Converter using Modified Fast Terminal Sliding Surface | Prabhakar Holambe and S. S. Damhare | 19 to 20 April 2021 | Manhattan, KS, USA (Virtual Mode) |
| 12 | High Performance Fuzzy based Position Control of Permanent Magnet Synchronous Motor Drives | S. V. Jadhav | 27 to 28 March 2020 | Kollam, Kerala, India (Virtual Mode) |
| 13 | Perceptually compressive communication of interactive telehaptic signal | S. M. Kakade | 6 to 9 September 2020 | Stadsgehoorzaal, Leiden, Netherlands (Virtual Mode) |
| 14 | Design of line start linear permanent magnet synchronous motor for electromagnetic catapult | R. T. Ugale | 18 to 21 October 2020 | Marina Bay sands Expo and convention center, Singapore (Virtual Mode) |
| 15 | ANN based robust control of linear induction motor | R. T. Ugale | 18 to 21 October 2020 | Marina Bay sands Expo and convention center, Singapore (Virtual Mode) |
| 16 | Design of Power System Stabilizer as a second order sliding mode controller | A.V. Tare, V. N. Pande, And S. P. Ghanegaonkar | 30 to 31 October 2020 | Manipal, India (Virtual Mode) |
| 17 | Design of Non-Linear Control of Quadrotor Unmanned Aerial Vehicle(UAV) | A. G. Thosar | 25 to 26 September 2020 | VNIT, Nagpur, India (Virtual Mode) |
| 18 | Mathematical Modelling and Performance Analysis of Solar Still Coupled with Evacuated Tube Collectors | A. G. Thosar | 26 to 28 November 2020 | IIT, Ropar, India (Virtual Mode) |
| 19 | Sensorless control based on sliding mode observer for PMSM drive | S. V. Jadhav | 16 to 19 December 2020 | MNIT, Jaipur, India (Virtual Mode) |
| 20 | ANN control algorithm with different training method as applied to PMSM drive | S. V. Jadhav | 6 to 7 November 2020 | NIT, Kurukshetra, India (Virtual Mode) |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|--|--|------------------------------------|------------------|--------|
| Department of Electronics & Telecommunication Engineering | | | | |
| 21 | IEEE Pune Section International Conference (PuneCon), | Priti P Rege | December 2020 | Online |
| 22 | IEEE 6th International Conference for Convergence in Technology (I2CT), Lonawala, Pune | Priti P Rege | April 2021 | Online |
| 23 | IEEE 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT) | Priti P Rege | July 2020 | Online |
| 24 | 27 th National Conference on Communications (NCC-2021) | Prashant Bartakke | 4 to 5 July 2021 | Online |
| 25 | 27 th National Conference on Communications (NCC-2021) | Mukul S. Sutaone | 4 to 5 July 2021 | Online |
| 26 | IEEE 6th International Conference for Convergence in Technology (I2CT), Lonawala, Pune | S.P.Mahajan | April 2021 | Online |
| 27 | IEEE 5 th International Conference on Trends in Electronics and Informatics (ICOEI 2021) | R. C. Mahajan, | June 2021 | Online |
| 28 | IEEE 6th International Conference for Convergence in Technology (I2CT), Lonawala, Pune | Rajshri C. Mahajan, and Vibha Vyas | April 2021 | Online |
| 29 | 5 th IEEE International Conference on Computing, Communication and Security - 2020 (ICCCS Indian Institute of Technology Patna, 2020) | Rajshri C. Mahajan | October 2020 | Online |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|---------|---|---------------------|---------------|--------|
| 30 | IEEE 6th International Conference for Convergence in Technology (I2CT), Lonawala, Pune | Vibha Vyas | April 2021 | Online |
| 31 | IEEE 9th International Electrical Engineering Congress (iEECON) | Shilpa P Metkar | March 2021 | Online |
| 32 | IEEE 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT) | Ranjit Sadakale | July 2020 | Online |
| 33 | IEEE 6th International Conference for Convergence in Technology (I2CT), Lonawala, Pune | V V Ingale | April 2021 | Online |
| 34 | Third International Conference on Intelligent Sustainable Systems [ICISS 2020] | Gupta A. D. | December 2020 | Online |
| 35 | IEEE International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) | Abhishek Bhatt | December 2021 | Online |
| 36 | 2021 IEEE 6th International Conference on Inventive Computation Technologies (ICICT) | Abhishek Bhatt | January 2021 | Online |
| 37 | IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security (iSSSC) | Abhishek Bhatt | December 2020 | Online |
| 38 | IEEE International Conference on Advances and Developments in Electrical and Electronics | Abhishek Bhatt | December 2020 | Online |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|--|--|---------------------|-----------------------------------|--------------------------------|
| 39 | IEEE 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA) | Abhishek Bhatt | November 2020 | Online |
| 40 | Communications in Computer and Information Science, 2021 | P.P.Bartakke | 5 to 7 November 2020 | Online |
| 41 | 5 th International Conference Informatics(ICOEI2021) organized by SCAD College of Engineering and Technology, Tirunelveli, TamilNadu, India | V.V.Ingale | 3 to 5 June 2021 | Online |
| 42 | IEEE 6th International Conference for Convergence in Technology (I2CT), Lonawala, Pune | S.G Mali | April 2021 | Online |
| Department of Instrumentation and Control | | | | |
| 43 | 6th International Conference for Convergence in Technology , IEEE-Bombay Section (I2CT) | K A Ghodinde | 2 to 4 April 2021 | Lonawala, Pune , India |
| 44 | 59th Conference on Decision and Control (CDC 2020), IEEE, Jeju Island, Republic of Korea | D N Sonawane | 13 to 15 December 2020 | Jeju Island, Republic of Korea |
| Department of Manufacturing and Industrial Management | | | | |
| 45 | ICIMSI-2021 | B Rajiv | 26 ^{to} 27 February 2021 | Pune |
| 46 | International Conference in Evolution in Manufacturing –ICEM 2020 | B Rajiv | 10 to 12 December 2020 | NIT Jaipur |
| 47 | International Conference on Recent Advances in Manufacturing-RAM 2021 | B Rajiv | 10 to 12 June 2021 | SVNIT Surat |
| 48 | International Conference on Recent Advances in | M. R. Dhanvijay | 10 to 12 June 2021 | SVNIT, Surat |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|---------|--|---|------------------------|---|
| 49 | 2nd International Conference on Aspects of Materials Science and Engineering" ICAMSE2021 | Kishore Jawale | 5 to 6 March 2021 | Hyatt Regency, Chandigarh, India |
| 50 | Advancement and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-20) | Kishore Jawale | 9 to 20 December 2020 | Society Of Materials & Mechanical Engineers, India |
| 51 | International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering | Jayesh Chandugade, LabheshYawalkar, PD Pantawane, Kishore Jawale | 9 to 20 December 2020 | Society Of Materials & Mechanical Engineers, India |
| 52 | International Conference on Intelligent Robotics, Mechantronics and Automation Systems (IRMAS 2021) | Ankush Aher Rakesh Mulik Sudhir Patil and Maneetkumar Dhanvijay | 9 to 11 October 2020 | Online |
| 53 | International Virtual Conference on Applied Science, Technology, Management and Language Studies | Poorva S. Bargale, M. D. Jaybhaye | 11 to 12 December 2020 | Online |
| 54 | International Virtual Conference on Applied Science, Technology, Management and Language Studies (ASTMLS-2020) | CHETAN NAIK, M.D.Jaybhaye | 11 to 12 December 2020 | Online |
| 55 | International E- Conference on Intelligent Mechanical Systems for Industry 4.0- (ICIMSI-2021) | Anupkumar Dube, M D Jaybhaye | 26 to 27 February 2021 | Online |
| 56 | International Conference on Industrial and Manufacturing Systems (CIMS-2020) | Mayuresh Kashikar, Sudhir Madhav Patil, Sumeet Kalkar | 9 to 20 December 2020 | Department of Industrial and Production Engineering, Dr. B. R. Ambedkar National Institute of Technology, |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|---------|--|--|-------------------------------|---|
| | | | | Jalandhar, India |
| 57 | ICEM 2020 (International Conference in Evolution in Manufacturing), | Sagar Hiwale Dr B. Rajiv, | 10 to12 December 2020 | National Institute of Technology, Jaipur, |
| 58 | iCADMA 2020, at International Conference on Advances in Materials Processing & Manufacturing Applications (iCADMA 2020) Sponsored by SPARC, MHRD & TEQIP-III, NIT Uttarakhand held online on | Sagar Hiwale and B.Rajiv | 5 to 6 November 2020 | Online |
| 59 | Organised by Society of Materials & Mechanical Engineers (SOMME). | Kaustubh Raut , B Rajiv, Pankaj Gaigole and P D Pantawane | 9 to 20 December 2020 | Online |
| 60 | Second International Conference on Recent Advances in Materials and Manufacturing | Yogesh Kamble, Parameshwar Jadhav and Rajiv B., | 20 to 21 November 2020. | Online |
| 61 | First International Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021) | Umesh Joshi, Rajiv B. and Rakesh Mulik, | 10 to 12 December 2020 | Centre for Automation and School of Mechanical Engineering, Vellore Institute of Technology, Chennai |
| 62 | International Conference on Industrial and Manufacturing Systems CIMS-2020 | Atul Nalawade, Jayant Karajagikar | 9 to 11 October 2020 | Department of Industrial and Production Engineering, NIT Jalandhar. |
| 63 | International Conference on Industrial and Manufacturing Systems CIMS-2020 | Abhijeet Varma, Jayant Karajagikar | 9 to 11 October 2020 | Department of Industrial and Production Engineering, NIT Jalandhar. |
| 64 | International Conference on Industrial and Manufacturing Systems | Sabastian Kharchan, Jayant Karajagikar | 9 to 11 October 2020 | Department of Industrial and Production |

| | CIMS-2020 | | | Engineering, NIT Jalandhar. |
|---|---|---------------------|------------------------|--|
| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
| Department of Mathematics | | | | |
| 65 | International Conference on Number Theory and Discrete Mathematics (ICNTDM-2020) | Dalvi K. V. | 11 to 14 December 2020 | Organised by Ramanujan Mathematical Society and hosted by Rajagiri School of Engineering and Technology, Kochi, Kerala(Online) |
| 66 | International conference on History and development of Mathematics | Majithia J. T. | 22 December 2020 | Maharshi Dayanand University Rohtak (Online) |
| Department of Mechanical Engineering | | | | |
| 67 | International Virtual Conference On Intelligent Robotics, Mechatronics and Automation Systems(IRMAS 2021) | Abhishek D. Patange | 26 to 27 March 2021 | Vellore Institute of Technology, Chennai |
| 68 | Students Research Convention (SRC 2021) | Abhishek D. Patange | 27 to 28 March 2021 | Indian Institute of Technology, Kanpur |
| 69 | The 28th International Conference on Processing and Fabrication of Advanced Materials | Abhishek D. Patange | 7 to 8 December 2020 | Vellore Institute of Technology, Chennai |
| 70 | International Virtual Conference On Intelligent Robotics, Mechatronics and Automation System | S. S. Pardeshi | 26 to 27 March 2021 | Vellore Institute of Technology, Chennai |
| 71 | Students Research Convention (SRC 2021) | S. S. Pardeshi | 27 to 28 March 2021 | Indian Institute of Technology, Kanpur |
| 72 | The 28th International Conference on Processing and Fabrication of Advanced Materials | S. S. Pardeshi | 7 to 8 December 2020 | Vellore Institute of Technology, Chennai |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|---|---|---------------------|-----------------------|--|
| | (PFAM28) | | | |
| 73 | 5 th and 6 th , Thermal and Fluid Engineering Conference, | M.P.Khond | 26 to 28 May 2021 | New Orleans,USA |
| 74 | 8th International and 47th National Conference on Fluid Mechanics and Fluid Power (FMFP) | Vishal Bhalla | 11 December 2020 | IIT Guhawati |
| 75 | International Virtual Conference On Intelligent Robotics, Mechatronics and Automation Systems | S. S. Pardeshi | 26 to 27 March 2021 | Vellore Institute of Technology, Chennai |
| Department of Metallurgy and Materials Science | | | | |
| 76 | International Conference on Advances in Materials Processing & Manufacturing Applications (iCADMA 2020) | S. U. Dangrikar | 5 to 6 November 2020 | Online, NIT UK |
| 77 | International Conference on Advances in Materials Processing & Manufacturing Applications | V. T. Thavale | 5 to 6 November 2020 | Online, NIT UK |
| 78 | International Conference on Advances in Materials Processing & Manufacturing Applications | N. B. Dhokey | 5 to 6 November 2020 | Online, NIT UK |
| 79 | International Conference on "Cuttingtoedge Research in Material Science and Chemistry | N. B. Dhokey | 11 to 12 January 2021 | Department of Chemistry and Biosciences, School of Basic Sciences, Manipal University Jaipur |
| 80 | International Conference on "Cuttingtoedge Research in Material Science and Chemistry | V. S. Poddar | 11 to 12 January 2021 | Department of Chemistry and Biosciences, School of Basic Sciences, Manipal |

| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
|------------------------------|---|---------------------|-----------------------|--|
| | | | | University Jaipur |
| 81 | International Conference on "Cuttingtoedge Research in Material Science and Chemistry | M. J. Rathod | 11 to 12 January 2021 | Department of Chemistry and Biosciences, School of Basic Sciences, Manipal University Jaipur |
| 82 | International Conference on "Cuttingtoedge Research in Material Science and Chemistry | P. G. Ranaware | 11 to 12 January 2021 | Department of Chemistry and Biosciences, School of Basic Sciences, Manipal University Jaipur |
| Department of Physics | | | | |
| 83 | Recent Trends in 2D Nanomaterials: Synthesis, Properties and Applications | Ramesh B Kamble | 24-26 Feb 2021 | Savitribai Phule Pune University, Pune |
| 84 | International Conference on Nanoscience and Nanotechnology (ICONN 2021) | Dr. Shweta Chaure | 1-3rd February 2021 | Online conference organized by SRM institute of Science and Technology |

| Workshop/ Seminar Attended | | | | |
|---------------------------------------|---|----------------------------|-------------------------|----------------------------|
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
| Department of Applied Sciences | | | | |
| 1 | Awareness Webinar on Outcome based Education and Accreditation | Chandan Patel | 27 November 2020 | Online |
| 2 | Train the Trainers on Examination Reforms | Chandan Patel | 4 to 7 December 2020 | Online |
| 3 | Psychosocial Impacts of COVID19 Pandemic: Challenges and ways forward | Kshipra V Moghe | 10 July 2020 | Online |
| 4 | National Education Policy 2020 : The way forward | Kshipra V Moghe | 17 August 2020 | Online |
| 5 | Awareness Webinar on OBE & Accreditation | Kshipra V Moghe | 27 November 2020 | Online |
| 6 | Water, sanitation, hygiene, and waste management for the COVID-19 virus | M Y Khaladkar | 15 to 16 June 2020 | Chitkara university online |
| 7 | CO-PO Attainment Computation and Outcomes Analysis | M Y Khaladkar | 13 June 2020 | Inpods on line |
| 8 | Streamlining Engineering curriculum for NEP 2020 and management of teaching learning in on line education | M Y Khaladkar | 11 to 13 September 2020 | IIT Kharagpur, Online |
| 9 | Outcome base Education and accreditation | M Y Khaladkar | 29 November 2020 | NBA, DTE, COEP, Online |
| 10 | Awareness Webinar on Outcome Based Education & Accreditation | Leena Jadhav | 29 November 2020 | NBA, DTE, COEP Online |
| 11 | Train the Trainers on Examination Reforms | Leena Jadhav | 4 to 7 December 2020 | Online |
| 12 | Universal Human Values for Deeksharambh (FDP) | Leena Jadhav | 23 to 27 November 2020 | NIT, Patna Online |
| 13 | Machine Learning for Beginners | Leena Jadhav | 16 to 20 January 2021 | MNIT, Jaipur Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|------------------------|-------------------------------|--|
| 14 | International Faculty Development Programme on Research | Leena Jadhav | 15 to 23 March 2021 | Ajeenkya D Y Patil University |
| 15 | Design Thinking Approaches in Engineering | Kavita Suranje | 22 to 26 June 2020 | Department of Civil Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra. |
| 16 | Digital Teaching Techniques | Kavita Suranje | 27 July to 1 August 2020 | ICT Academy Online |
| 17 | Design Thinking for Educators in the New Normal | Kavita Suranje | 28 to 30 September 2020 | BVB's Sardar Patel College of Engineering, Mumbai, Online |
| 18 | Advances in Thermo- Mechanical Processing of Materials | Kavita Suranje | 14 to 18 December 2020 | Department of Metallurgy and Materials Science, COEP, Online |
| 19 | Research and quality Publication: Practices and Tools | Kavita Suranje | 20 to 24 December 2020 | Central Library, COEP and Manipur Technical University(MTU) Imphal Online |
| 20 | Awareness Webinar on Outcome based Education and Accreditation | G.L. Agawane | 27 November 2020 | AICTE, Online |
| 21 | "Research & Quality Publication: Practices and Tools " | Nandini V Iyer | 20 to 24 December 2020 | Central Library, COEP and Manipur Technical University(MTU) Imphal Online |
| 22 | Awareness Webinar on Outcome Based Education and Accreditation | Nandini V Iyer | 27 November 2020 | AICTE, Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---|---|------------------------|-----------------------|--|
| Department of Civil Engineering & Planning | | | | |
| 23 | Enhancing Research Effectiveness using Scopus, Sciencedirect and Mendeley | Sharan Kumar Goudar | 1 May 2020 | Kurukshetra University, Kurukshetra |
| 24 | Workshop on Recent Advances in Science and Technology of Concrete | Sharan Kumar Goudar | 2 May 2020 | IIT Madras |
| 25 | Webinar on Progress of Concrete Science Since the Time of Duff A. Abrams | Sharan Kumar Goudar | 7 May 2020 | K. D. K. College of Engineering, Nagpur |
| 26 | One Week International Workshop on Durability of Concrete (IWODOC - 2020) | Sharan Kumar Goudar | 26 to 30 October 2020 | National Institute of Technology Karnataka, Surathkal, India |
| 27 | Hydraulic Modeling of Water Supply & Sewerage Networks using Bentley WaterGEMS & SewerGEMS CONNECT Edition | K. A. Patil | 6 to 7 July 2020 | Online COE Pune |
| 28 | Awareness Webinar on Outcome Based Education and Accreditation | K. A. Patil | 27 November 2020 | Online NBA Delhi, DTE Mumbai and COE Pune |
| 29 | Expert lecture on “Building Services: Plumbing”, at Refresher cum Orientation training Programme | N. M. Mohite | 7 May 2021 | IIT Bombay |
| 30 | Expert lecture on “Recent Trends in Plumbing for Better Water Management in High Rise Building”, at One week AICTE- QIP short term course on Recent Trends in Water Engineering | N. M. Mohite | 27 May 2021 | SGGS Institute of Engineering and Technology |
| 31 | Expert lecture on “Building Services: Plumbing”, at Refresher cum Orientation training Programme | N. M. Mohite | 11 June 2021 | IIT Bombay |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|--|--|-------------------------|-----------------------------|---------------|
| 32 | Digital Teaching Techniques, Organized by ICT Academy from | Nitin M. Mohite | 27 July to 1 August 2021 | Online |
| 33 | Online Training on Organisational Excellence through Effective Leadership and Ethics | M.S. Ranadive | 17 June 2021 | Online |
| Department of Computer Engineering & Information Tehcnology | | | | |
| 34 | Next Generation Software Tools and Trends for Industrial Solutions: Current Practices"-NGST-2020 | Amit D. Joshi | 13 to 17 June 2020 | Online Course |
| 35 | online workshop on Universal Human Values on the theme "Inculcating Universal Human Values in Technical Education" | Vahida Attar | 14 to 18 June 2020 | Online Course |
| 36 | Recent IT Technologies, Writing Papers and Funding Proposals | Rohini Sarode | 20 to 24 June 2020 | Online |
| 37 | Recent IT Technologies, Writing Papers and Funding Proposals | Sheetal Rathod | 20 to 24 June 2020 | Online |
| 38 | Python for Data Science | Shrida Kalamkar | 21 to 25 July 2020 | Online |
| 39 | Aligning Yourself to the Publishing Process | Aparna Santra Biswas | 24 to 25 July 2020 | Online |
| 40 | Social Entrepreneurship, Swachhata and Rural Engagement | V K Khatavkar | 18 September 2020 | Online |
| 41 | GIANS | J V Aghav | 30 September 2020 | COEP |
| 42 | R- Programming | Ashiwani Matange | 28 November 2020 | online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|--|--|-------------------------|---------------------------------------|------------------------------|
| 43 | QIP STC on Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives | Deepak Kshirsagar | 30 November to 4 December 2020 | IIT Roorkee |
| 44 | Deep Dive in Deep Vision | Aparna Santra Biswas | 7 to 9 December 2020 | Online, IIT Indore |
| 45 | Open-source Network Experimentation (ONE) 2020 | Sachin D. Patil | 14 to 19 December 2020 | NITK, Surathkal |
| 46 | IITBombayX Pedagogy Workshop on How to teach Programming Basics | Sheetal Rathod | 16 December 2020 to 1 June 2021 | online |
| 47 | Machine Learning Techniques for Cross- domain Applications | Aparna Santra Biswas | 21 to 26 December 2020 | Online, IIT Indore |
| 48 | Applied Deep Learning & Computer Vision for Image & Video Analysis | Karishma Pawar | 1 to 15 June 2021 | EduxLabs, IIT Hyderabad |
| Department of Electrical Engineering | | | | |
| 49 | TEQIP Workshop on IOT | S. P. Ghanegaonkar | 23 to 27 November 2020 | IIT Bombay (Virtual Mode) |
| Department of Electronics & Telecommunication Engineering | | | | |
| 50 | Artificial Intelligence/ Machine Learning and Deep Learning | R.D.Joshi | 26 June 2020 | Online |
| 51 | 5G Technology | R.D.Joshi | 23 June 2020 | Online |
| 52 | Robust Design Method | R.D.Joshi | 28 January to 1 February 2021 | Online |
| 53 | Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning | P.P.Bartakke | January to April 2021 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|--|---|------------------------|------------------------------------|--------------------------------------|
| 54 | Strategic Issues in IPR and Innovation | Ashwini Kulkarni | 11 to 16 January 2021 | Online |
| 55 | Research Matrix | Ashwini Kulkarni | 4 May 2021 | Online |
| Department of Manufacturing and Industrial Management | | | | |
| 57 | Digital Transformation in Teaching Learning Process | B Rajiv | 6 to 22 April 2020 | IIT Bombay (Online Mode) |
| 58 | Micromanufacturing Processes | B Rajiv | 30 November to 4 December 2020 | IIT Guwahati (ONLINE MODE) |
| 59 | Operations Research and Its Application | B Rajiv | 7 to 11 December 2020 | IIT Delhi (ONLINE MODE) |
| 60 | TEQIP III course Operations Research for Business and Engineering: Concepts, Applications and Methods | B Rajiv | 14 to 18 December 2020 | IIT Delhi (ONLINE MODE) |
| 61 | Robust Design Method under TEQIP-III Twinning Activity | B Rajiv | 28 January to 1 February 2021 | SPCE Mumbai (Online Mode) |
| 62 | Robust Design Method under TEQIP-III Twinning Activity | M. R. Dhanvijay | 28 January to 1 February 2021 | SPCE Mumbai (Online Mode) |
| 63 | AICTE-ISTE sponsored One-week online Refresher Course | M. R. Dhanvijay | 26 April to 1 May 2021 | College of Engineering, Pune, |
| 64 | TEQIP III IoT course | M. R. Dhanvijay | 11 to 20 June 2021 | IITB |
| 65 | Open-Source Tools for Scientific Computing Scilab Python, R and Latex | Kishore Jawale | 28 December 2020 to 1 January 2021 | IIT Rorkee |
| 66 | Awareness Webinar on Outcome Based Education and Accreditation | Kishore Jawale | 27 November 2020 | COEP, Pune |
| 67 | Industry 4.0 | Kishore Jawale | 1 March to 15 August 2020 | The Hong-Kong Polytechnic University |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---|--|---|-----------------------------|---|
| 68 | Industry-Academia Connect: Empowering Students and Faculty to be Industry Ready | Kishore Jawale | 17 to 18 October 2020 | CII, Institute of Quality- SMTTC, Bangalore |
| 69 | DIGITAL TEACHING TECHNIQUES | Kishore Jawale | 27 July to 1 August 2020 | ICT Academy, Chennai |
| Department of Mathematics | | | | |
| 70 | Webinar on 'CO-PO Attainment Computation and Outcomes Analysis' | Dalvi K. V. and Majithia J. T. | 30 May 2020 | InPods Ed-tech Pune (Online) |
| 71 | Teaching-Learning Tools and Pedagogies | Shinde N. V. | 3 August 2020 | Organised by FICCI (Online) |
| 72 | Social Entrepreneurship Swachhta& Rural Engagement | Majithia J. T. | 18 September 2020 | Organized by MGNREC (Online) |
| 73 | Advanced pedagogies: Active learning and digital tool | Shinde N. V. and Tapadia | 5 to 9 October 2020 | IIT Hyderabad (Online) |
| 74 | Awareness webinar on Outcome based education and accreditation | Dalvi K. V, Kulkarni, Shinde N. V., Majithia J. T, Shinde and Ghayatadak | 27 November 2020 | Organized by NBA New Delhi, DTE Mumbai and COEP (Online) |
| 75 | National seminar on Recent Development in Applied Mathematics | Shikhare | 30 November 2020 | Kumaraguru college of Liberal Arts and Science, Coimbatore (Online) |
| 76 | National webinar on Application of Mathematics | Shikhare | 22 December 2020 | Auxillium college, Gandhinagar, Vellor (Online) |
| 77 | Workshop on NAAC | Dalvi K. V, Kavishwar S. P., and Dhere A. B. | 12 to 13 March 2021 | Hidden Oasis, Garade, Taluka- Purandar (Saswad) |
| Department of Mechanical Engineering | | | | |
| 78 | Digital Teaching Techniques | S. V. Wagh | 29 June to 4 July 2020 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---|---|------------------------|-----------------------------|---|
| 79 | Introductio to Matlab and simulink | P. P Surywanshi | 19 to 23 October 2020 | Online |
| 80 | Digital Teaching Techniques | N .P.Dale | 29 June to 4 July 2020 | Online |
| 81 | Innovation and Entrepreneurship | Suhas Mohite | 15 January 2021 | Online |
| 82 | Digital Teaching Techniques | A. D. Patange | 29 June to 4 July 2020 | Online |
| 83 | Digital Teaching Techniques | S. N. Tapase | 29 June to 4 July 2020 | Online |
| 84 | Digital Teaching Techniques | N D Shikalgar | 29 June to 4 July 2020 | Online |
| Department of Metallurgy and Materials Science | | | | |
| 85 | Awareness Webinar on Outcome Based Education and Accreditation | K. Kambale | 27 November 2020 | COEP |
| 86 | Streamlining Engineering curriculum for NEPto2020 and Management of Teaching Learning in Online Education | S. P. Butee | 11 to13 September 2020 | IIT Kharagpur, Online Mode |
| 87 | online workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education" | V. S. Poddar | 19 to23 October 2020 | All India Council for Technical Education(AICTE). |
| 88 | Advances in Materials Manufacturing, Processes and Properties | V. S. Poddar | 6 to10 July 2020 | MNIT, Jaipur |
| 89 | Advances in Materials Manufacturing, Processes and Properties | M. G. Kulthe | 6 to10 July 2020 | MNIT, Jaipur |
| 90 | Education, Teaching & learning Techniques, Pedagogical methods | M. G. Kulthe | 27 July to 1 August 2020 | ICT Academy |
| 91 | Education, Teaching & learning Techniques, Pedagogical methods | V. T. Thavle | 27 July to 1 August 2020 | ICT Academy |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|------------------------|--------------------------|-------------|
| 92 | Education, Teaching & learning Techniques, Pedagogical methods | K. R. Kambale | 27 July to 1 August 2020 | ICT Academy |
| 93 | Education, Teaching & learning Techniques, Pedagogical methods | Abhishek M. More | 27 July to 1 August 2020 | ICT Academy |
| 94 | Education, Teaching & learning Techniques, Pedagogical methods | S. U. Dangarikar | 27 July to 1 August 2020 | ICT Academy |
| 95 | Education, Teaching & learning Techniques, Pedagogical methods | S. P. Butee | 27 July to 1 August 2020 | ICT Academy |
| 96 | Education, Teaching & learning Techniques, Pedagogical methods | M. J. Rathod | 27 July to 1 August 2020 | ICT Academy |
| 97 | Education, Teaching & learning Techniques, Pedagogical methods | S.T. Vagge | 27 July to 1 August 2020 | ICT Academy |
| 98 | Education, Teaching & learning Techniques, Pedagogical methods | P. P. Deshpande | 27 July to 1 August 2020 | ICT Academy |
| 99 | Education, Teaching & learning Techniques, Pedagogical methods | P. G. Ranaware | 27 July to 1 August 2020 | ICT Academy |
| 100 | Education, Teaching & learning Techniques, Pedagogical methods | Madhu Ranjan | 27 July to 1 August 2020 | ICT Academy |
| 101 | Education, Teaching & learning Techniques, Pedagogical methods | Samarbijay Sarkar | 27 July to 1 August 2020 | ICT Academy |
| 102 | Education, Teaching & learning Techniques, Pedagogical methods | Rishika Verma | 27 July to 1 August 2020 | ICT Academy |
| 103 | Education, Teaching & learning Techniques, Pedagogical methods | R. S. Ranade | 27 July to 1 August 2020 | ICT Academy |
| 104 | OBE and Accreditation | M. G. Kulthe | 27 November 2020 | ICT Academy |
| 105 | OBE and Accreditation | V. T. Thavle | 27 November 2020 | ICT Academy |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|---|------------------------|--------------------------|---|
| 106 | OBE and Accreditation | V. S. Poddar | 27 November 2020 | ICT Academy |
| 107 | OBE and Accreditation | Abhishek M. More | 27 November 2020 | ICT Academy |
| 108 | OBE and Accreditation | S. U. Dangarikar | 27 November 2020 | ICT Academy |
| 109 | OBE and Accreditation | S. P. Butee | 27 November 2020 | ICT Academy |
| 110 | OBE and Accreditation | M. J. Rathod | 27 November 2020 | ICT Academy |
| 111 | OBE and Accreditation | S.T. Vagge | 27 November 2020 | ICT Academy |
| 112 | 2toWeeks Comprehensive Online Patent Information Course | V. S. Poddar | August 2020 | Turnip Innovations |
| 113 | Live Training Sessions with ThermotoCalc | V. S. Poddar | 24 to28 August 2020 | IIT Madras |
| 114 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | V. S. Poddar | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |
| 115 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | M. G. Kulthe | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |
| 116 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | A. P. Pacharne | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |
| 117 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | S. U. Dangrikar | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |
| 118 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | V. T. Thavale | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |
| 119 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | P. G. Ranaware | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|-----------------------|---|
| 120 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | A. M. More | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |
| 121 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | M. J. Rathod | 14 to18 December 2020 | Dept. of Metallurgy and Materials Science, Online Mode |
| 122 | Key Aspects in Negotiating Failure Analysis (KNFA6H) Program held on 14th & 15th May 2020 | Madhu Ranjan | 14 to15 May 2020 | Aliya Analytical Inc., Online Mode |
| 123 | Applications of the Gleeble as an all round tool to address physical and mechanical metallurgy questions | Madhu Ranjan | 5 November 2020 | Gleeble, Online Mode |
| 124 | FDP to Advances in ThermotoMechanical Processing of Materials (ATPMto2020) | Madhu Ranjan | 14 to18 December 2020 | Online Mode, Department Of Metallurgy & Materials Science, COEP, PUNE |
| 125 | FDP to Efficacy of Digital Pedagogy for Effective Teaching Learning | A. P. Pacharne | 8 to15 October 2020 | Sardar Patel College of Engineering Mumbai. |
| 126 | OBE and Accreditation | A. P. Pacharne | 27 November 2020 | NBA, DTE, COEP |
| 127 | The Future of Engineers Opportunity and Challenges | A. P. Pacharne | 10 to12 December 2020 | Punjab Engineering College, Chandigarh |
| 128 | FDPtoInnovation Management | A. P. Pacharne | 18 to22 January 2021 | NIT, Agartala (AICTE ATAL) |
| 129 | FDP toTeam Building and Coordination | A. P. Pacharne | 15 to19 February 2021 | Gandhi Institute ofTechnology & Management (AICTE ATAL) |
| 130 | Webinar on Corrosion Science and Technology 2021 (CoST, 2021) | S.T. Vagge | 12 May 2021 | IGCAR Kalpakkam |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|------------------------------|---|------------------------|---|---|
| Department of Physics | | | | |
| 131 | Universal human values | Dr. J. W. Dadge | 23 – 27 Nov 2020 | Online organized by NIT Patna |
| 132 | Mathematica | Dr. J. W. Dadge | 21 – 26 Sept 2020 | Online SIRT Bhopal |
| 133 | Online teaching learning tools | Dr. J. W. Dadge | 3 Aug 2020 | Online FICCI Future |
| 134 | Professional Develop Training | Ramesh B. Kamble | 14 – 16 Jan 2020 | TEQIP, IIM Raipur |
| 135 | Organizational excellence through effective leadership and ethics | Ramesh B Kamble | 17 June 2021 | IT GROUP NPC, New Delhi |
| 136 | Matrix Analysis using Python | Dr. R. S. Chhatrala | 3 – 8 Nov 2020 | IITH |
| 137 | Magnetic Materials for MEMS based Devices | Dr. R. S. Chhatrala | 29 Oct – 01 Nov 2020 | IITH |
| 138 | Digital Teaching Techniques | Dr. R. S. Chhatrala | 27 July – 01 Aug 2020 | ICT Academy |
| 139 | INDUCTION PHASE-II | Dr. R. S. Chhatrala | 15 – 26 June 2020 | NITTTR Bhopal/NITTTR Bhopal |
| 140 | Advanced Rechargeable Batteries: From Powder to Power | Dr. R. S. Chhatrala | 25 – 30 Dec 2020 | IITR |
| 141 | Emerging Trends in Refrigeration and Air- conditioning” | Dr. R. S. Chhatrala | 26 April – 01 May 2021 | COEP |
| 142 | Universal human values | Neelima Patil | 23 – 27 NOV 2020 | Online organized by NIT Patna |
| 143 | Blended learning and MOOCS | Neelima Patil | 21 – 29 Sept 2020 | Online organized by NITTTR Bhopal |
| 144 | NAAC Orientation for NAAC coordinators | V C Mandake | 12 – 13 March 2021 | Pune Hidden Oasis |
| 145 | NAAC Orientation for NAAC coordinators | Ramesh B Kamble | 12 – 13 March 2021 | Pune Hidden Oasis |
| 146 | Mathematics a practical approach in science and technology | Y J Pitkar | 28 June – 03 July 2020 (One week) | ONLINE NAAC By Deogiri inst. Aurangabad |
| 147 | Online teaching learning tools and pedagogies | Y J Pitkar | 20 – 24 July 2020(One week) | ONLINE FICCI Future X |

| Refresher Courses/ STTP Attended | | | | |
|---|---|--------------------------------|------------------------------|--|
| Sr. No. | Title of the Course | Name of the Coordinator | Period | Venue |
| Department of Applied Sciences | | | | |
| 1 | Digital Teaching Techniques by ICT Academy | Tanuja Kher | 29 June to 4 July 2020 | online |
| 2 | "Design Thinking Ap in Engineering | Tanuja Kher | 22 to 26 June 2020 | online |
| 3 | Understanding Design Thinking and People Centred Design approaches | Anvay Aher | 24 February to 25 April 2020 | online |
| 4 | Design Thinking Approaches in Engineering | Kshipra V Moghe | 22 to 26 June 2020 | Online |
| 5 | Online Teaching-Learning Tools and Pedagogies by FICCI | Kshipra V Moghe | 6 to 10 July 2020 | Online |
| 6 | Certificate Course on Digital Teaching Techniques by ICT Academy | Kshipra V Moghe | 27 July to 1 August 2020 | Online |
| 7 | Certificate course in Environmental Sustainability | M Y Khaladkar | January to April 2020 | SWAYAM online |
| 8 | Certificate Course on Digital Teaching Techniques | M Y Khaladkar | 29 June to 4 July 2020 | Online |
| 9 | Certificate Course on Digital Teaching Teaching Techniques by ICT Academy | Leena Jadhav | 27 July to 1 August 2020 | Online |
| 10 | Effective online teaching skills | Mahesh Shindikar | 16 January 2021 | Online |
| 11 | Research opportunities in Environmental Engineering organized by Bharati Vidyapeeth, Pune | Mahesh Shindikar | 20 to 25 July 2020 | Online |
| 12 | Advanced Concepts in MOOC's organized by Ramanujan College, Delhi | Avinash Khandizod | 2 to 17 July 2020 | Online |
| 13 | Advanced Concepts in MOOC's organized by Ramanujan College, Delhi | Ketaki Kamble | 2 to 17 July 2020 | Online |
| 14 | Digital content development for effective and efficient | Kavita Suranje | 27 July to 1 August 2020 | Sipna College of Engg. and Technology, |

| | teaching | | | Amravati & CSI Amravati Chapter Online |
|---|---|---------------------|-----------------------------|--|
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
| 15 | Sustainable Plastic Management | Kavita Suranje | 11 to 15 January 2021 | Environmental policy of AICTE, COEP Online |
| 16 | Certificate Course on Digital Teaching Techniques | G.L. Agawane | 27 July to 1 August 2020 | ICT Academy, Online |
| 17 | Certificate course in BEd Pedagogy in Teaching of English | Aparna Khandekar | January to April 2020 | SWAYAM online |
| 18 | Certificate Course on Digital Teaching Techniques | Aparna Khandekar | 29 June to 4 July 2020 | Online |
| 19 | Certificate course in Introduction to Research | Aparna Khandekar | June to October 2020 | SWAYAM online |
| 20 | "Bio-Energy: Technologies & Transitions" | Nandini V Iyer | 18 to 22 May 2020 | National Institute of Technology, Kurukshetra and Government Engineering College, Bikaner, TEQIP-III: Mentoring/ Twinning System |
| 21 | Design Thinking Approaches In Engineering | Nandini V Iyer | 22 to 26 June 2020 | Department of Civil Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra. |
| 22 | Digital Teaching Techniques | Nandini V Iyer | 29 June to 4 July 2020 | ICT Academy |
| Department of Civil Engineering & Planning | | | | |
| 23 | Finite Element Methods for Beginners | Sharan Kumar Goudar | 20 to 24 July 2020 | I.K Gujarat Technological University, Jalandhar, Punjab |
| 24 | One - Week Online Faculty Development Programme on | Sharan Kumar Goudar | 22 to 26 June 2020 | B.M.S. College of Engineering, |

| | | | | |
|--|--|--|--|----------------------|
| | "Recent Advancements in Concrete Technology" | | | Bengaluru, Karnataka |
|--|--|--|--|----------------------|

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|--|---|---------------------------------|--|---|
| 25 | Three Days Faculty Development Program on "Current Research Avenues in Civil Engineering " | Sharan Kumar Goudar | 29 to 31 May 2020 | Tontadarya College of Engineering, Gadag, Karnataka |
| 26 | ORIENTATION PROGRAM BY COEP AT MULASHI | A. R. AKHARE | November to December 2020 | Crompton Greaves Mulashi |
| 27 | Recent Advances in Civil Engineering TEQIP III | K. A. Patil | 2 to 7 June 2020 | Online VJTI Mumbai and GCOE Ajmer |
| 28 | Advances in Civil Engineering (with emphasis on WRE and Env Engineering) TEQIP III | K. A. Patil | 2 to 7 November to 2020 | Online I.I.T.Indore |
| 29 | Learning to teach Online | K. A. Patil | 11 July to 9 August 2020 | Online COURSERA UNSW Sydeny |
| 30 | Two week course ISRO IIRS "Basics Principles of Remote Sensing Technology", 13-19 April 2020. | Nitin M. Mohite | 13 to 19 April 2020 | Online |
| 31 | TEQIP-III short-term course on "Fundamentals and Applications of Engineering Dynamics" | R. R. Joshi | 26 to 27 February 2021 and 5 to 7 March 2021 | Mechanical Engg. Dept IIT Guwahati |
| 32 | TEQIP sponsored short term course on "Analytical Mechanics" | R. R. Joshi | 14 to 18 December 2020 | Mechanical Engg. Dept IIT Guwahati |
| 33 | "Advances in Earthquake Engineering" under AICTE Training and Learning (ATAL) Academy | S. N. Madhekar and V. B. Dawari | 4 to 8 January 2021 | College of Engineering Pune |
| 34 | NPTEL course of 8-week duration (SWAYAM). Course title : Natural hazards | S. N. Madhekar | 1 to 5 December 2020 | NPTEL course |
| 35 | TEQIP-III funded course on "Introduction to Nonlinear Finite Element Method" at IIT Delhi (online) during | H. K. Munot | 1 to 5 December 2020 | Online |
| Department of Computer Engineering & Information Tehcnology | | | | |
| 36 | Symposium on IoT (SIoT-2020) | DEEPAK KSHIRSAGAR | 31 October 2020 | COEP |
| 37 | Symposium on IoT (SIoT-2020) | Rahul Adhao | 31 October 2020 | COEP |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|----------------------|------------------------------|---|
| 38 | Symposium on IoT (SIoT-2020) | Rohini Sarode | 31 October 2020 | COEP |
| 39 | Symposium on IoT (SIoT-2020) | Sachin D. Patil | 31 October 2020 | COEP |
| 40 | Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education | Rohini Sarode | 1 to 5 June 2020 | AISSMS |
| 41 | Digital Transformation in teaching learning process | Soma Ghosh | 4 June 2020 to 22 April 2021 | IIT Bombay |
| 42 | Recent IT Technologies, Writing Papers and Funding Proposals | Sheetal Rathod | 20 to 24 June 2020 | RIT- Center for Teaching & Learning (RIT-CTL) |
| 43 | Algorithms | Ashwini Matange | 15 July 2020 | Online |
| 44 | Writing and publishing quality reaserch papers in scholarly top tier journals | Swati Duragkar | 19 to 20 July 2020 | RMD Sinhgad |
| 45 | online workshop on Universal Human Values on the theme "Inculcating Universal Human Values in Technical Education" | Trishna Ugale | 23 to 27 July 2020 | Online |
| 46 | Digital Teaching Techniques | Karishma Pawar | 27 July to 1 August 2020 | ICT Academy, Online |
| 47 | Digital Teaching Techniques | Aparna Santra Biswas | 27 July to 1 August 2020 | ICT Academy, Online |
| 48 | Digital Teaching Techniques | Archana Patil | 27 July to 1 August 2020 | ICT Academy, Online |
| 49 | Digital Teaching Techniques | Jagruti Waykole | 27 July to 1 August 2020 | ICT Academy, Online |
| 50 | Digital Teaching Techniques | vijay khadse | 27 July to 1 August 2020 | ICT Academy, Online |
| 51 | Digital Teaching Techniques | Ashwini Matange | 27 July to 1 August 2020 | ICT Academy, Online |
| 52 | Digital Teaching Techniques | Trishna Ugale | 27 July to 1 August 2020 | ICT Academy, Online |
| 53 | Certification Course on Digital Teaching Techniques | Jibi Abraham | 27 July to 1 August 2020 | ICT Academy, Online |
| 54 | Certification Course on Digital Teaching Techniques | Rahul B Adhao | 27 July to 1 August 2020 | ICT Academy, Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|----------------------------------|--|
| 55 | Certification Course on Digital Teaching Techniques | V K Khatavkar | 27 July to 1 August 2020 | ICT Academy, Online |
| 56 | Certification Course on Digital Teaching Techniques | V. K. Pachghare | 27 July to 1 August 2020 | ICT Academy, Online |
| 57 | Design and Analysis of Algorithms, Compiler Design, Artificial Intelligence and its Applications | Trishna Ugale | 12 September to 15 December 2020 | Online |
| 58 | Digital tools for writing, authoring and reviewing manuscripts | Soma Ghosh | 21 September to 2 October 2020 | Online |
| 59 | Orientation Towards Technical Education and Curriculum Aspects | Rahul B Adhao | 9 October to 11 November 2020 | Online |
| 60 | Streamlining Engineering Curriculum for NEP 2020 and Management of Teaching in Online Education | Jibi Abraham | 11 to 13 September 2020 | Online |
| 61 | online workshop on Universal Human Values on the theme "Inculcating Universal Human Values in Technical Education" | Jagruti Waykole | 23 to 27 November 2020 | Online |
| 62 | online workshop on Universal Human Values on the theme "Inculcating Universal Human Values in Technical Education" | Sumit A. Hirve | 23 to 27 November 2020 | Online |
| 63 | Open Source in Cyber Space | Abhijit A M | 23 to 27 November 2020 | Online |
| 64 | Open-source Technologies in Cyberspace (OTC-2020) | Vijay Khadse | 23 to 27 November 2020 | COEP |
| 65 | Quantum Computing | Soma Ghosh | 23 to 27 November 2020 | Online |
| 66 | Train the trainer on examination reforms | Vibhavari Kamble | 4 to 7 December 2020 | BVB Collage of Engineering & Technology, Huballi |
| 67 | Online Teaching Learning Tools and Pedagogies by FICCI New Delhi | Jagannath Aghav | 15 to 19 June 2020 | Online |
| 68 | Online Teaching-Learning Tools and Padeagogies | J V Aghav | 15 to 19 July 2020 | COEP |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|---|--------------------------|---------------------------------|--------|
| 69 | Online Teaching-Learning Tools and Pedgogies | V . K. Pachghare | 15 to 19 July 2020 | COEP |
| 70 | Applied Natural language Processing | Yashodhara V. Haribhakta | 1 September to 31 December 2020 | Online |
| 71 | Introduction to Machine learning | Karishma Pawar | 1 September to 31 December 2020 | Online |
| 72 | Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digital India Perspectives | Sheetal Rathod | 30 November to 4 Decemer 2020 | Online |
| 73 | System Engineering with Applications of Internet of Things | Amit D. Joshi | 4 to 8 January 2021 | COEP |
| 74 | System Engineering with Applications of Internet of Things | Suraj Sawant | 4 to 8 January 2021 | COEP |
| 75 | Cyber Security and Blockchain: Awareness, Use Cases, And Challenges (Csb-2021) | Ashwini Matange | 4 to 8 January 2021 | COEP |
| 76 | Cyber Security and Blockchain: Awareness, Use Cases, And Challenges (Csb-2021) | V. K. Pachghare | 4 to 8 January 2021 | COEP |
| 77 | Cyber Security and Blockchain: Awareness, Use Cases, And Challenges (Csb-2021) | Swati Duragkar | 4 to 8 January 2021 | COEP |
| 78 | Cyber Security and Blockchain: Awareness, Use Cases, And Challenges (Csb-2021) | Sheetal Rathod | 4 to 8 January 2021 | COEP |
| 79 | Cyber Security and Blockchain: Awareness, Use Cases, And Challenges (Csb-2021) | Vijay Khadse | 4 to 8 January 2021 | COEP |
| 80 | Cyber Security and Blockchain: Awareness, Use Cases, And Challenges (Csb-2021) | Rohini Sarode | 4 to 8 January 2021 | COEP |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|------------------------|---------------------|
| 81 | Strategic Issues in IPR and Innovation | V K Khatavkar | 11 to 16 January 2021 | online |
| 82 | GREEN ENTREPRENEURSHIP DEVELOPMENT | Sheetal Rathod | 7 September 2020 | Online |
| 83 | Awareness Webinar on Outcome Based Education and Accreditation | Karishma Pawar | 27 November 2020 | NBA/DTE/COEP online |
| 84 | Awareness Webinar on Outcome Based Education and Accreditation | Sumit A. Hirve | 27 November 2020 | NBA/DTE/COEP online |
| 85 | Awareness Webinar on Outcome Based Education and Accreditation | Trishna Ugale | 27 November 2020 | NBA/DTE/COEP online |
| 86 | Awareness Webinar on Outcome Based Education and Accreditation | V K Khatavkar | 27 November 2020 | NBA/DTE/COEP online |
| 87 | Awareness Webinar on Outcome Based Education and Accreditation | Ashiwni Matange | 27 November 2020 | NBA/DTE/COEP online |
| 88 | Awareness Webinar on Outcome Based Education and Accreditation (OBE&A) | Jibi Abraham | 27 November 2020 | NBA/DTE/COEP online |
| 89 | Awareness Webinar on Outcome Based Education and Accreditation | V. K. Pachghare | 27 November 2020 | NBA/DTE/COEP online |
| 90 | Open source Technologies in Cyberspace (OTC-2020) | Amit D. Joshi | 31 October 2020 | COEP |
| 91 | Open source Technologies in Cyberspace (OTC-2020) | Suraj Sawant | 23 to 27 November 2020 | COEP |
| 92 | Open source Technologies in Cyberspace (OTC-2020) | Sachin D. Patil | 23 to 27 November 2020 | COEP |
| 93 | Open source Technologies in Cyberspace (OTC-2020) | Rohini Sarode | 23 to 27 November 2020 | COEP |
| 94 | Open-source Technologies in Cyberspace | Archana Patil | 23 to 27 November 2020 | COEP |
| 95 | STTP on Open source Technologies in Cyberspace (OTC-2020) | DEEPAK KSHIRSAGAR | 23 to 27 November 2020 | COEP |
| 96 | STTP on Open source Technologies in Cyberspace (OTC-2020) | Tanuja P | 23 to 27 November 2020 | COEP |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---|---|---------------------|--------------------------------|-------------------------------|
| 97 | STTP on Open source Technologies in Cyberspace (OTC-2020) | V K Khatavkar | 23 to 27 November 2020 | COEP |
| 98 | Quantum Artificial Intelligence | Soma Ghosh | 24 to 28 May 2021 | IIIT-Pune |
| 99 | Certificate Course on DIGITAL TEACHING TECHNIQUES | Soma Ghosh | 9 June to 4 July 2020 | ICT Academy |
| Department of Electrical Engineering | | | | |
| 100 | FICCI Future-X Professional Development Program | S. P. Ghanegaonkar | 15 to 19 June 2020 | 2) FICCI India (Virtual Mode) |
| 101 | ATAL FDP on Renewable Energy Integration and Energy Storage | S. P. Ghanegaonkar | 21 to 25 September 2020 | COE, Pune (Virtual Mode) |
| 102 | MHRD Sponsored Energy audit for Smart Grid | S. P. Ghanegaonkar | 30 November to 4 December 2020 | IIT Roorkee (Virtual Mode) |
| 103 | Digital Teaching Technology | S. P. Ghanegaonkar | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 104 | FICCI Future-X Professional Development Program | V. N. Pande | 15 to 19 June 2020 | FICCI India (Virtual Mode) |
| 105 | Digital Teaching Technology | Anish Salvi | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 106 | ATAL FDP on Renewable Energy Integration and Energy Storage | R. T. Ugale | 21 to 25 September 2020 | COE, Pune (Virtual Mode) |
| 107 | Digital Teaching Technology | A. V. Tare | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 108 | Digital Teaching Technology | S. V. Unde | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 109 | Digital Teaching Technology | Sadhana. V. Jadhav | 27 July to 1 August 2020 | ICT Academy |
| 110 | Digital Teaching Technology | S. S. Dambhare | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 111 | Digital Teaching Technology | M. D. Bagewadi | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 112 | FDP on Advanced Power System Protection | U. M. Mate | 1 to 5 December 2020 | COE, Pune (Virtual Mode) |
| 113 | Digital Teaching Technology | U. M. Mate | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|--------------------------|---|
| 114 | ATAL FDP on Renewable Energy Integration and Energy Storage | U. M. Mate | 21 to 25 September 2020 | COE, Pune (Virtual Mode) |
| 115 | Digital Teaching Technology | S. M. Kakade | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 116 | Artificial Intelligence And Machine Learning | S. M. Kakade | 7 to 17 December 2020 | IIT Indore (Virtual Mode) |
| 117 | Awareness Webinar on Outcome Based Education and Accreditation | S. M. Kakade | 27 November 2020 | AICTE (Virtual Mode) |
| 118 | GPU Computing | S. M. Kakade | 27 July to 1 August 2020 | VIT, Pune (Virtual Mode) |
| 119 | Digital Teaching Technology | V. B. Bhole | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 120 | Research initiatives in advance control System | V. B. Bhole | 22 to 26 February 2021 | Muthoot Institute of Technology and science (Virtual Mode) |
| 121 | Control System Design- Classical and Modern with Hands ON | V. B. Bhole | 22 to 27 March 2021 | COE Pune (Virtual Mode) |
| 122 | Digital Teaching Technology | S. R. Kurode | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 123 | Digital Teaching Technology | Meera Murali | 27 July to 1 August 2020 | ICT Academy (Virtual Mode) |
| 124 | Energy-Internet on Things | Meera Murali | 15 to 19 December 2020 | Shri Ramdeobaba College of Engineering and Management Nagpur (Virtual Mode) |
| 125 | Advances in Electrical Engineering | V. S. Rajguru | 8 to 13 June 2020 | PVG's COE, Pune (Virtual Mode) |
| 126 | Digital signal controllers for control of power electronic converters and its applications | V. S. Rajguru | 1 to 6 March 2021 | EED, Sarvajani College of Engg. & Technology, Surat (Virtual Mode) |
| 127 | Renewable Energy System | V. S. Rajguru | 4 to 26 July 2020 | Government College of Engineering, Aurangabad (Virtual Mode) |
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |

| Department of Electronics & Telecommunication Engineering | | | | |
|--|---|---------------|------------------------|--------|
| 128 | Algorithms and Techniques for Signal Processing | P.P.Rege | 14 to 18 July 2020 | Online |
| 129 | Digital teaching techniques | P.P. Bartakke | 29 June to 4 July 2020 | Online |
| 130 | NEP 2020 | S.P.Mahajan | 11to 13 September 2020 | Online |
| 131 | Digital teaching techniques | S.P.Mahajan | 29 June to 4 July 2020 | Online |
| 132 | Outcome Based Curriculum | S.P. Metkar | 1to 5 June 2020 | Online |
| 133 | Transforming pedagogy in India | V.V.Ingale | 1 to 3 August 2020 | Online |
| 134 | Gateway to data science using Python | V.V.Ingale | 10 to 14 August 2020 | Online |
| 135 | Artificial Intelligence, Block chain and IoT for 6G communication | V.V.Ingale | 3 to 5 December 2020 | Online |
| 136 | IEEE ABET webinar on Accreditation | V.V.Ingale | 8 July 2020 | Online |
| 137 | NEP 2020 | V.V.Ingale | 11to 13 September 2020 | Online |
| 138 | Digital teaching techniques | V.V.Ingale | 29 June to 4 July 2020 | Online |
| 139 | Digital Teaching Techniques | R.D.Joshi | 29 June to 4 July 2020 | Online |
| 140 | Algorithms and Techniques for Signal Processing | R.D.Joshi | 14 to 18 July 2020 | Online |
| 141 | Research & Quality Publication: Practices and Tools | R.D.Joshi | 20 to 24 December 2020 | Online |
| 142 | Online Examination Reforms Training Workshop | R.D.Joshi | 4 to 7 December 2020 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|-------------------------|--------|
| 143 | System Engineering with Applications of Internet of Things | R.D.Joshi | 4 to 8 January 2021 | Online |
| 144 | Statistical Analysis of Quantitative Data using Advanced Excel for Research Scholars | Ashwini Kulkarni | 3 to 4 June 2020 | Online |
| 145 | Usage of ICT tools for Effective Learning and Evaluation | Ashwini Kulkarni | 1 to 5 June 2020 | Online |
| 146 | Digital Teaching Techniques | Ashwini Kulkarni | 29 June to 4 July 2020 | Online |
| 147 | Streamlining Engineering Curriculum for NEP 2020 | Ashwini Kulkarni | 11 to 13 September 2020 | Online |
| 148 | Train the Trainers on Examination Reforms | Ashwini Kulkarni | 4 to 7 December 2020 | Online |
| 149 | Enabling Wireless Technology : Software Defined Radio Applications on SISO Packet Based Communication | Ashwini Kulkarni | 23 to 28 November 2020 | Online |
| 150 | System Engineering (IoT) | Ashwini Kulkarni | 4 to 8 January 2021 | Online |
| 151 | Capacity Building for Teachers in Higher Education and their Employment with multimedia skills | Ashwini Kulkarni | 15 to 21 march 20/21 | Online |
| 152 | Quantum Computing | Ashwini Kulkarni | 5 to 9 June 2021 | Online |
| 153 | A Five- Day course On Deep Learning | A.G.Andurkar | 26 to 30 December 2021 | COEP |
| 154 | Short -term course on Artificial Intelligence, Blockchain and Internet of Things for 6G Communications | A.G.Andurkar | 3 to 5 December 2021 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|--|---|---------------------|------------------------|--------|
| 155 | 3-Days Residential MDP on OBE | R.A.Patil | 5 to 7 February 2021 | Online |
| 156 | Research, Projects Funding & IPR_Part –II | R.A.Patil | 7 to 9 June 2020 | Online |
| 157 | Energy Efficient Techniques for 5G Wireless Communications | R.A.Patil | 7 to 12 December 2021 | Online |
| 158 | System Design Using Vivado Design Suite and Zynq-7000 Soc | Nilima Kolhare | 16 to 21 June 2021 | Online |
| 159 | Automation and IoT | Aditya Gupta | 4 to 8 January 2021 | Online |
| 160 | Algorithms and Techniques for Signal Processing | Aditya Gupta | 14 to 18 July 2021 | Online |
| 161 | Research & Quality Publication: Practices and Tools | Aditya Gupta | 20 to 24 December 2021 | Online |
| 162 | NEP 2020 | S.G.Mali | 11to 13 September 2020 | Online |
| 163 | Digital teaching techniques | S.G.Mali | 29 June to 4 July 2020 | Online |
| Department of Instrumentation and Control | | | | |
| 164 | Control Systems & Sensors Technology – ATAL Academy – by COEP | Ketaki Ghodinde | 14 to 18 December 2021 | Online |
| 165 | Emotional Intelligence - ATAL Academy by International Management Institute, Bhubaneswar. | Ketaki Ghodinde | 18 to 22 January 2021 | Online |
| 166 | Data Sciences - - ATAL Academy, by Dr.Ambedkar Institute of Technology, Bangalore | Ketaki Ghodinde | 1 to 5 February 2021 | Online |
| 167 | Aligning Yourself to the Publishing Process, by ELSEVIER Research Academy | Ketaki Ghodinde | 23 to 24 July 2020 | Online |

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|----------------|---|----------------------------|-----------------------------|--------------|
| 168 | Digital Teaching Techniques, by ICT Academy | Ketaki Ghodinde | 27 July to 01 Aug 2020 | Online |
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
| 169 | Streamlining Engineering Curriculum for NEP 2020 and Management of Teaching Learning in Online Education, by IIT-KGP | Ketaki Ghodinde | 11 to 13 September 2020 | Online |
| 170 | Impact/Utilisation of Sciencedirect for teachers, researchers and students in producing quality outputs by Sciencedirect | Ketaki Ghodinde | 14 August 2020 | Online |
| 171 | Control Systems & Sensors Technology – ATAL Academy – by COEP | Kalyani Bhole | 14 to 18 December 2021 | Online |
| 172 | Brain Mapping and Artificial Intelligence- QIP- conducted by IIT Delhi | Kalyani Bhole | 11 to 20 March 2021 | Online |
| 173 | Digital Teaching Techniques, by ICT Academy | Kalyani Bhole | 27 July to 1 August 2020 | Online |
| 174 | Emerging Technologies in Healthcare: IoT/ Wearable Technologies, AI, Computational Neuroscience, ATAL Academy, LDLCOE Ahemdabad | Kalyani Bhole | Jan 18-22,2021 | Online |
| 175 | Streamlining Engineering Curriculum for NEP 2020 and Management of Teaching Learning in Online Education, by IIT-KGP | Kalyani Bhole | 11 to 13 September 2020 | Online |
| 176 | "Introduction to Research " by Swayam NPTEL | Nikhila Patil | 15 February to 9 April 2021 | Online |
| 177 | " Sensor Technology" by ATAL Academy | Nikhila Patil | 7 to 11 December 2020 | Online |
| 178 | Wearable Devices in Healthcare Technology | Amruta Deshpande | 21 to 25 September 2020 | Online |
| 179 | Future of Automation, Control & Technologies FDP under TEQIP by VJTI,Mumbai | Amruta Deshpande | 26 to 30 December 2020 | Online |
| 180 | Emotional Intelligence - ATAL Academy by International Management Institute, Bhubaneswar. | Amruta Deshpande | 18 to 22 January 2021 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|-------------------------------|--------|
| 181 | Digital Teaching Techniques, by ICT Academy | D N Sonawane | 27 July to 1 Aug 2020 | Online |
| 182 | Streamlining Engineering Curriculum for NEP 2020 and Management of Teaching Learning in Online Education, by IIT-KGP | D N Sonawane | 11 to 13 September 2020 | Online |
| 183 | Digital Teaching Techniques, by ICT Academy | Sandeep Hanwate | 27 July to 1 Aug 2020 | Online |
| 184 | "Strategic Issues in IPR and Innovation", Jointly organized by the Sardar Patel College of Engineering, Mumbai and REC, Rewa, | Sandeep Hanwate | 11 to 16 January 2021 | Online |
| 185 | "Control System Design- Classical and Modern with Hands-on", organized by the Department of Electrical Engineering, College of Engineering, Pune | Sandeep Hanwate | 22 to 27 March 2021 | Online |
| 186 | "Teaching and Learning of Advanced Control Systems" organized by NIT Warangal | Sandeep Hanwate | 10 to 16 August 2020 | Online |
| 187 | "Matrix Analysis using Python" organized at IIT Hyderabad | Sandeep Hanwate | 3 to 8 November 2020 | Online |
| 188 | "Visual Tools and Techniques for Effective Communication" organized at IIT Hyderabad | Sandeep Hanwate | 16 to 18 November 2020 | Online |
| 189 | AICTE Training and Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom" | Sandeep Hanwate | 31 August to 4 September 2020 | Online |
| 190 | One Week AICTE Training and Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" organized by Indian Institute of Information Technology, Nagpur | Sandeep Hanwate | 21 to 25 September 2020 | Online |
| 191 | Control Systems & Sensors Technology – ATAL Academy – by COEP | Sandeep Hanwate | 14 to 18 December 2021 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|---|---------------------|-------------------------|--------|
| 192 | AICTE Training and Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" organized by Manipal Institute of Technology | Sandeep Hanwate | 19 to 23 January 2021 | Online |
| 193 | Wearable Devices in Healthcare Technology | Sandeep Hanwate | 21 to 25 September 2020 | Online |
| 194 | AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence" organized by Indian Institute of Technology Ropar. | Sandeep Hanwate | 22 to 26 February 2021 | Online |
| 195 | AICTE Training and Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" organized by National Institute of Technology Calicut | Sandeep Hanwate | 1 to 2 February 2021 | Online |
| 196 | TEQIP-3, Five-day on-line workshop on "Control Systems and Applications (CSA-2021)" organized by the Department of Electrical and Electronics Engineering, National Institute of Technology Sikkim. | Sandeep Hanwate | 9 to 13 March 2021 | Online |
| 197 | TEQIP-3 sponsored, One week eFDP on "Future of Automation, Control & Technologies (FACT)" on, organized by VJTI, Mumbai | Sandeep Hanwate | 26 to 30 December 2020 | Online |
| 198 | AICTE-ISTE program on "Scope of IoT and its Applications in Automotive and Agricultural Industry", organized by Government College of Engineering and Research, Awasari (Khurd) | Sandeep Hanwate | 22 to 27 March 2021 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|--------------------------|--------|
| 199 | One Week Train-the-Teacher Training Program on "Online Learning: Live Classroom Teaching Platforms", organized by the e-UttamVidya Center, KavayitriBahinabaiChaudhari North Maharashtra University, Jalgaon | Girish V. Lakhekar | 24 to 27 July 2020 | Online |
| 200 | One Week TEQIP-III Sponsored Online Webinar on "MATLAB Software", organized by the Department of Electronics Engineering, Walchand College of Engineering, Sangali | Girish V. Lakhekar | 8 to 12 December 2020 | Online |
| 201 | One Week TEQIP-III Sponsored National Level Workshop on "Strategic Issues in IPR and Innovation", Jointly organized by the Sardar Patel College of Engineering, Mumbai and REC, Rewa, | Girish V. Lakhekar | 11 to 16 January 2021 | Online |
| 202 | One Week AICTE Sponsored Short Term Training Programme on "Control System Design-Classical and Modern with Hands-on", organized by the Department of Electrical Engineering, College of Engineering, Pune | Girish V. Lakhekar | 22 to 27 March 2021 | Online |
| 203 | NPTEL –AICTE FDP (Funded by Ministry of HRD, Govt. of India) on "Entrepreneurship" | U M Chaskar | January to April 2020 | Online |
| 204 | One Week online FDP on "Digital Teaching Techniques" organized by ICT Academy Chennai | U M Chaskar | 27 July to 1 August 2020 | Online |
| 205 | AICTE ATAL online one week FDP on "Sensor technology" organized by National Institute of Technology Jamshedpur | U M Chaskar | 1 to 5 October 2020 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|----------------------------|--------|
| 206 | AICTE ATAL online one week FDP on "Design Thinking" organized University College of Engineering(A), Jawaharlal Nehru Technical University Kakinada | U M Chaskar | 12 to 16 October 2020 | Online |
| 207 | NPTEL –AICTE FDP (Funded by Ministry of HRD, Govt. of India) on "Organization Development and Change in 21 st Century" | U M Chaskar | September to November 2020 | Online |
| 208 | Four Days online Training Workshop on "Examination Reforms" organized by National Project Implementation Unit (NPIU), Ministry of Education & KLE Technological University, Hubballi, Karnataka | U M Chaskar | 4 to 7 December 2020 | Online |
| 209 | Online one week FDP on "Cyber Security and Block Chain: Awareness, Use Cases and Challenges (CBS-21)" organized by Information Security Education and Awareness (ISEA) Project, Phase-II, Department of Computer Engineering & Information Technology, College of Engineering Pune | U M Chaskar | 4 to 8 January 2021 | Online |
| 210 | AICTE ATAL online one week FDP on "Telemedicine " organized G.Pulla Reddy Engineering College Kurnool (Autonomous) | U M Chaskar | 19 to 23 January 2021 | Online |
| 211 | Online AICTE-UKIERI Technical Leadership Development Program for the AY- 2020-21 (COHORT 6) | U M Chaskar | October 2020 to April 2021 | Online |
| 212 | AICTE ATAL online one week FDP on "Innovation Management " organized DR B R Ambedkar National Institute of Technology Jalandhar | U M Chaskar | 22 to 26 February 2021 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|--|---|---------------------|----------------------------|---|
| Department of Manufacturing and Industrial Management | | | | |
| 213 | Awareness Webinar On Outcome Based Education And Accreditation | N.R.Rajhnas | 27 November 2020 | NBA, DELHI |
| 214 | Online STTP Series on Recent Advances in Tribology and Surface Engineering(Series 1 To 4) | S. M. Patil | 12 to 17 October 2020 | organized by Department of Mechanical Engineering, Saint gits College of Engineering, Kottayam, Kerala. |
| 215 | Online STTP Series on Recent Advances in Tribology and Surface Engineering(Series 1 To 4) | B. U. Sonawane | 12 to 17 October 2020 | organized by Department of Mechanical Engineering, Saint gits College of Engineering, Kottayam, Kerala. |
| 216 | Online STTP Series on Recent Advances in Tribology and Surface Engineering(Series 1 To 4) | S. M. Patil | 14 to19 September 2020 | organized by Department of Mechanical Engineering, Saint gits College of Engineering, Kottayam, Kerala. |
| 217 | Online STTP Series on Recent Advances in Tribology and Surface Engineering(Series 1 To 4) | B. U. Sonawane | 17 to 22 August 2020 | organized by Department of Mechanical Engineering, Saint gits College of Engineering, Kottayam, Kerala. |
| 218 | Online NPTEL Industrial safety Engineering | M. D. Jaybhaye | September to December 2020 | IIT Kharagpur Swayam Course |
| 219 | Fundamentals of Artificial Intelligence | S.M. Patil | September to December 2020 | IIT Guwahati |
| 220 | FDP on Mechatronics, automation and Robotics | S. M. Patil | 3 to 7 August 2020 | OP Jindal University |
| 221 | Advances in manufacturing Engineering: CNC & robotics | S. M. Patil | 17 to 22 August 2020 | J. C. Bose university Science and Technology, YMCA Faridabad |
| 222 | Digital teaching techniques | S. M. Patil | 27 July to 1 August 2020 | ICT academy |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|---------------------|-------------------------------|---------------------------------------|
| 223 | Operations Research for Business and Engineering Concepts, Application's and Methods | B. Rajiv | 14 to 18 December 2020 | IIT Delhi online Mode. |
| 224 | FDP on "Fundamentals of Artificial Intelligence", | S. M. Patil | September - December 2020 | AICTE-NPTEL |
| 225 | FDP on Advances in Thermo-Mechanical Processing of Materials (ATPM-2020)", | B. U. Sonawane | 14 to 18 December 2020 | TEQIP-III Sponsored, Metallurgy, COEP |
| 226 | FDP on Advances in Thermo-Mechanical Processing of Materials (ATPM-2020)" | S. M. Patil | 14 to 18 December 2020 | TEQIP-III Sponsored, Metallurgy, COEP |
| 227 | Operation Research and its application | Rajiv B. | 7 to 11 December 2020 | IIT Delhi attended under TEQIP III |
| 228 | Online FDP on "Systems Engineering" | S. M. Patil | 1 to 5 February 2021 | COEP |
| 229 | Aicte-Iste Sponsored Induction/Refresher Program On "Sustainable Product Design and Manufacturing (Phase II) | N.R.Rajhnas | 15 to 21 April 2021 | Shri. Mata Vaishno Devi University |
| 230 | Digital Teaching Techniques | N.R.Rajhnas | 27 July to 1 August 2020 | ICT ACADEMY |
| 231 | Awareness Webinar on Outcome Based Education And Accreditation | N.R.Rajhnas | 27 November 2020 | NBA, DELHI |
| 232 | Multicriteria Decision Making in Manufacturing (MCDM) | N.R.Rajhnas | 26 to 28 May 2021 | K.K.WAGH NASHI K |
| 234 | TEQIP III: Professional Development Training | A.V.Mulay | 21 to 23 December 2020 | IIM, Raipur |
| 235 | Digital Teaching Techniques AICTE-ISTE sponsored | A.V.Mulay | 27 July to 1 August 2020 | ICT Academy |
| 236 | "Sustainable Product Design and Manufacturing (Phase ii) | A.V.Mulay | 15 April to 21 April 2021 | Shri Mata Vaishno Devi University |
| 237 | Open Source Tools for Scientific Computing Scilab Python, R and Latex | Kishore Jawale | 28 December to 1 January 2021 | IIT Rorkee |
| 238 | DIGITAL TEACHING TECHNIQUES | Kishore Jawale | 27 July to 1 August 2020 | ICT Academy, Chennai |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|----------------------------------|---|---|--|--|
| 239 | Industry 4.0 | Kishore Jawale | 1 March to 15 August 2020 | The Hong-Kong Polytechnic University |
| Department of Mathematics | | | | |
| 240 | MOOCS course on Advanced probability theory | Deshpande | January to February 2020 (12 weeks) | Organised by NPTEL (Online) |
| 241 | MOOC Course on Engg Mathematics II | Mahatekar Y. M. | January to April 2020 (12 weeks) | Organised by NPTEL (Online) |
| 242 | FDP on Examination reforms | Kulkarni | 22 to 25 April 2020 | Organised by AICTE (Online) |
| 243 | Attended FDP on Mathematics: A practical approach in science and technology | Kulkarni | 28 June to 3 July 2020 | Deogiri Institute of Engg. & Management studies, Aurangabad (Online) |
| 244 | WC101x: Workplace Communication | Dalvi K. V. | 15 July to 15 December 2020 (12 weeks) | IIT Bombay (Online) |
| 245 | MOOCS course on LaTeX101x: LaTeX for students, engineers and scientist | Deshpande | 15 July to 15 December 2020 (12 weeks) | IIT Bombay (Online) |
| 246 | Digital Teaching Techniques | All Faculty | 27 July to 1 August 2020 | ICT Academy, Chennai (Online) |
| 247 | FDP on Data Sciences with Python | Shinde N. V. | 8 August 2020 | Organised by Simplilearn (Online) |
| 248 | FDP on Streamlining Engineering Curriculum for NEP 2020 And Management Of Teaching Learning In Online Education | Dalvi K. V. and Deshpande | 11 to 13 September 2020 | IIT Kharagpur (Online) |
| 249 | Introduction to Methods of applied Mathematics | Shinde N. V. | September to December 2020 (12 weeks) | Organised by NPTEL (Online) |
| 250 | FDP on Deeksharambh (Student Induction Program) | Kavishwar S. P., Dhere A. B, Mahatekar Y. M., Shikhare and Ghayatadak | 23 to 27 November 2020 | NIT Patna (Online) |
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |

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|---|---|---|-------------------------------------|--|
| 251 | TEQIP-III sponsored one week online short term course on 'Mathematics Without Boundaries' | K. V. Dalvi and Majithia J. T. | 23 to 27 November 2020 | NIT Srinagar (Online) |
| 252 | Train the Trainers on Examination reforms' | Kavishwar S. P., Shinde N. V., Mahatekar Y. M., Majithia J. T., Shikhare, Ghayatadak, and Tapadia | 4 to 7 December 2020 | BVB College of Engg & Technology, Hubballi (Online) |
| 253 | Short term course on Linear algebra & its applications | Mahatekar Y. M. | 20 to 24 December 2020 | IIT Delhi (Online) |
| 254 | MOOCS online course on Introduction to Probability and Statistics | Kulkarni | January to February 2021 (12 weeks) | Organised by NPTEL (Online) |
| 255 | Outcome Based Education and Accreditation | Dalvi K. V. | 5 to 7 February 2021 | Crompton Greaves Management Development Center (CGMDC), Mulshi |
| Department of Mechanical Engineering | | | | |
| 256 | Basic Entrepreneurship | Karnik M G | 15 to 19 September 2020 | Online |
| 257 | Outcome Based education | Karnik M G | 27 November 2020 | Online |
| 258 | "Noise And Vibration Control of Industrial Rotary Machines" | Suryawanshi P. P. | 15 to 20 March 2020 | Online |
| 259 | Online certification program on Introduction of Matlab and Simulink | Suryawanshi P. P. | 19 to 23 October 2020 | Online |
| 260 | Online certification program on Introduction of Matlab and Simulink | Bhavikatti S S | 19 to 23 October 2020 | Online |
| 261 | "Engineering Law | Suryawanshi P. P. | 18 to 22 January 2021 | Online |
| 262 | Seminar on "How can wiley Online library help researchers?" | Suryawanshi P. P. | 22 April 2021 | Online |
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |

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|-----|--|----------------|----------------------------------|--------|
| 263 | Workshop on how to use : Online resources | S. S. Mundra | 4 May 2021 | Online |
| 264 | Multiscale Analysis And Simulation Techniques In Engineering And Science (Masmes-2021) | Nikita M Gawai | 22 to 26 March 2021 | Online |
| 265 | Product development and Industrial Research-2020 | Ladhwe R. N. | 6 to 10 July 2020 | Online |
| 266 | “Noise And Vibration Control of Industrial Rotary Machines” | Dhote N.D. | 15 to 20 March 2020 | Online |
| 267 | Product development and Industrial Research-2020 | Dhote N.D. | 6 to 10 July 2020 | Online |
| 268 | Scope of IoT and its application in automotive and andagriculrural industry | Dhote N.D. | 23 to 28 March 2021 | Online |
| 269 | Advanced Measurement Techniques | P.W.Deshmukh | 23 to 28 November 2020 | Online |
| 270 | Applied Computational Fluid Dynamics for Renewable Energy and Hydraulic Machines Sector | P.W.Deshmukh | 1 to 5 February 2021 | Online |
| 271 | Electric Vehicles | P.W.Deshmukh | 20 January to 5 February 2021 | Online |
| 272 | Computational Fluid Dynamics for Scientists and Engineers | P.W.Deshmukh | 28 to 30 December 2020 | Online |
| 273 | Emerging Trends in Refrigeration and Air Conditioning | P.W.Deshmukh | 12 to 17 April 2021 | Online |
| 274 | Advanced Measurement Techniques | S. V. Lahane | 23 to 28 November 2020 | Online |
| 275 | Applied Computational Fluid Dynamics for Renewable Energy and Hydraulic Machines Sector | S. V. Lahane | 1 to 5 February 2021 | Online |
| 276 | Electric Vehicles | S. V. Lahane | 20 to 5 January 2021 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|---|---------------------|-----------------------------|--------|
| 277 | Computational Fluid Dynamics for Scientists and Engineers | S. V. Lahane | 28 to 30 December 2020 | Online |
| 278 | MHRD sponsored and TEQIP assisted course on Foundational Concepts of Robotics | S. S. Mohite | 1-01-2021 to 05-01-2021 | Online |
| 279 | "Nurturing Innovation And Startup Ecosystem (Nise)" | S. S. Mohite | 8 to 23 September 2020 | Online |
| 280 | one month online industrial training program on "Renewable Energy Systems" | S. S. Mohite | 4 to 26 July 2020 | Online |
| 281 | One Day Online Webinar Sponsored by NBA on Outcome Based education | S. S. Mohite | 27 November 2020 | Online |
| 282 | Professional Development Training Programme for Faculty & Administrators of Project Institutions of TEQIP – III | S. S. Mohite | 7 to 9 December 2020 | Online |
| 283 | "Noise and Vibration Monitoring of Mechanical Systems" | S. S. Mohite | 29 to 31 October 2020 | Online |
| 284 | One day online FDP on Innovation and Entrepreneurship | S. S. Mohite | 15 January 2021 | Online |
| 285 | Mathematical Modelling (Phase-I) | S. S. Mohite | 25 February to 3 March 2021 | Online |
| 286 | TEQIP I II sponsored online short- term course o n " Industrial Noise and Vibration Control " | S. S. Mohite | 26 to 28 November 2020 | Online |
| 287 | Online Professional Development Training | S. S. Mohite | 14 to 18 December 2020 | Online |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---------|--|----------------------------|------------------------|--------|
| 288 | Advances in Condition Based Maintenance using Vibration and Noise Monitoring | S. S. Mohite | 19 to 21 February 2021 | Online |
| 289 | Streamlining Engineering Curriculum for Nep 2020 And Management Of Teaching Learning In Online Education | S. S. Mundra, A.D. Patange | 11 to 13 October 2020 | Online |
| 290 | Composites : Fracture Toughness, NDE and Failure Analysis | P.S. Shinde | 18 to 21 January 2021 | Online |
| 291 | Emerging Trends in Refrigeration and Air Conditioning | S. N Tapase | 26 April to 1 May 2021 | Online |
| 292 | Emerging Trends in Refrigeration and Air Conditioning | S. N Tapase | 15 to 20 March 2021 | Online |
| 293 | Emerging Trends in Refrigeration and Air Conditioning | S. N Tapase | 17 May to 22 May 2021 | Online |
| 294 | Emerging Trends in Refrigeration and Air Conditioning | N D Shikalgar | 26 April to 1 May 2021 | Online |
| 295 | Emerging Trends in Refrigeration and Air Conditioning | N D Shikalgar | 15 to 20 March 2021 | Online |
| 296 | Emerging Trends in Refrigeration and Air Conditioning | N D Shikalgar | 17 to 22 May 2021 | Online |
| 297 | Orientation session on TRIZ for business Management and Service | N D Shikalgar | 10 June 2020 | Online |
| 298 | “Noise And Vibration Control Of Industrial Rotary Machines” | Abhishek D. Patange | 15 to 20 March 2020 | Online |
| 299 | Streamlining Engineering Curriculum For Nep 2020 And Management Of Teaching Learning In Online Education | Abhishek D. Patange | 11 to 13 October 2020 | Online |

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|------------------------------|--|--------------------------------|-----------------------------|---------------------------------------|
| 300 | DEEP Learning CEP Course IIT Bombay | Abhishek D. Patange | 5 to 9 December 2020 | Online |
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
| 301 | Digital Teaching Techniques | M. P..Khond | 27 July to 1 August 2020 | Online |
| 302 | Solar Energy and its application, Economical Implications in Indian Scenario after COVID 19 conducted by R.M.I.T. & R Amaravati | M. P..Khond | 15 to 19 June 2020 | Online |
| 303 | Orientation session on TRIZ for business Management and Service | M.P..Khond | 10 June 2020 | Online |
| 304 | Outcome Based education | S. N Tapase | 27 November 2020 | Online |
| 305 | AICTE Sponsored six days online STTP - Phase I on "Electric Vehicle Evolution - Impact on Power grid". | N D Shikalgar | 8 to 13 February 2021 | Online |
| 306 | Excel at MS Excel for effective organization of Quantitative Metrics data of NAAC" | N D Shikalgar | 15 May 2021 | Online |
| Department of Physics | | | | |
| 307 | Solar Photovoltaic's, principles, Technologies and Materials | Dr. Shweta Chaurse | January to March 2021 | Swayam NPTEL |
| 308 | Certificate Course on Digital Teaching Techniques | Dr L V Ekhande | 27 July – 01 Aug 2020 | Online |
| 309 | Advances in Thermo- mechanical Processing of Materials | Dr L V Ekhande | 14 – 18 December 2020 | COEP Online |
| 310 | Online teaching learning tools and pedagogy | Neelima Patil | 3 August 2020 | Online organized by FICCI Future X |
| 311 | MATHEMATICS: A Practical Approach in Science and Technology | Dr.R. S. Chhatrala | 28 June – 3 July 2020 | DIEMS |
| 312 | Virtual Workshop on Collating Physics Resources for Teachers in Higher Education | Dr.R. S. Chhatrala | 17 – 18 August 2020 | NPIU, New Delhi |

| | | | | |
|-----|---|-----------------|--------------------------|--------|
| 313 | Certificate Course on Digital Teaching Techniques | Ramesh B Kamble | 27 July – 01 August 2020 | Online |
|-----|---|-----------------|--------------------------|--------|

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|----------------|--------------------------------------|----------------------------|-----------------------|-----------------|
| 314 | FDP On Bioenergy and Biofuel | V C Mandake | 17 – 22 May 2020 | NIT Kurukshetra |
| 315 | OBE/Bloom's taxonomy/ Exam Reforms | V C Mandake | 22 – 27 December 2020 | NPIU, New Delhi |
| 316 | OBE/Bloom's taxonomy/ Exam Reforms | Ramesh B Kamble | 4 – 8 December 2020 | NPIU, New Delhi |
| 317 | OBE/Bloom's taxonomy/ Exam Reforms | Dr.R. S. Chhatrala | 4 – 8 December 2020 | NPIU, New Delhi |

❖ **NATIONAL / INTERNATIONAL CONFERENCES / SEMINARS / SYMPOSIA / WORKSHOPS ORGANIZED.**

| Name of Department | No. of National Conferences Organized | No. of International Conferences Organized | No. of Workshop/ seminars Organized | No. of Refresher Courses/ STTP Organized | Total |
|---|--|---|--|---|--------------|
| Applied Science | -- | -- | 1 | 1 | 2 |
| Civil Engineering & Planning | -- | 1 | 5 | 1 | 7 |
| Computer Engineering | 3 | -- | 1 | 1 | 5 |
| Electrical Engineering | -- | -- | 1 | 3 | 4 |
| Electronics and Telecommunication Engineering | -- | -- | -- | 5 | 5 |
| Instrumentation and Control Engineering | -- | -- | 3 | -- | 3 |
| Manufacturing and Industrial Management | -- | -- | 2 | -- | 2 |
| Mathematics | -- | -- | 2 | -- | 2 |
| Mechanical Engineering | -- | -- | 5 | 3 | 8 |
| Metallurgy and Materials Science | -- | -- | 3 | 6 | 9 |
| Physics | -- | -- | -- | -- | -- |
| Total | 3 | 1 | 23 | 20 | 47 |

| National Conference Organized | | | | |
|--|---|----------------------------|------------------------|--------------|
| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
| Department of Computer Engineering & Information Tehcnology | | | | |
| 1 | Symposium on IoT (SloT-2020) | D D Kshirsagar | 31 October 2020 | COEP |
| 2 | Open-source Technologies in Cyberspace (OTC-2020) | S D Patil | 23 to 27 November 2020 | COEP |
| 3 | "Cyber Security: Awareness and Challenges" for Teachers | V K Pachghare, S B Mane | 11 February 2021 | COEP |

| International Conference Organized | | | | |
|---|---|---|---------------------|--------------|
| Sr. No. | Name of the Conference | Name of the Faculty | Period | Venue |
| Department of Civil Engineering | | | | |
| 1 | International Conference on "Advances in Construction Technology and Management 2021" (ACTM – 2021) | M S Ranadive, Sharan Kumar Goudar, G S Vyas, N A Hedao, V D Katare, D L Patil, A R Akhare and S M Naawghare | 11 to 12 March 2021 | COEP |

| Workshop/ Seminar Organized | | | | |
|--|--|--|--|--------------|
| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
| Department of Applied Sciences | | | | |
| 1 | Two Day National Webinar on Soft Skills | Leena Jadhav, Aparna Khandekar, Viveka Singh and Avinash Khandizod | 12 to 13 February 2021 | Online |
| Department of Civil Engineering | | | | |
| 2 | Water Distribution Design and Modeling using Bentley WaterGEMS | Nitin Mohite | 31 August to 4 September 2020 | COEP |
| 3 | Application of QGIS in Water Resources Engineering | Nitin Mohite | 18 September 2020 to 23 September 2020 | COEP |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|--|---|-----------------------------------|-------------------------|-------------------------------|
| 4 | Industry-Academic Interaction, which was a part of ACTM-2021 International Conference | Sharan Kumar Goudar | 12 March 2021 | COEP |
| 5 | Cluster Specialty concrete manager) from Aditya Birla group | H K Munot | 4 March 2021 | COEP |
| 6 | Business and Technical Head) from J.Kumar Infraprojects Pune | H K Munot | 19 March 2021 | COEP |
| Department of Computer Engineering & Information Tehcnology | | | | |
| 7 | Awareness Webinar on Outcome Based Education and Accreditation | V Z Attar | 27 November 2020 | COEP |
| Department of Electrical Engineering | | | | |
| 8 | Research Scholar's Conclave 2020 | R T Ugale | 21 December 2020 | EED, COE, Pune (Virtual Mode) |
| Department of Instrumentation and Control Engineering | | | | |
| 9 | "Wearable Technology in Healthcare", funded by AICTE ATAL | Kalyani Bhole and D N Sonawane | 21 to 25 September 2020 | Online |
| 10 | "Control system and sensor technology", funded by AICTE ATAL | D N Sonawane and Amruta Deshpande | 14 to 18 December 2020 | Online |
| 11 | Skill Development program on "Internet of Things (IoT)" | D N Sonawane and U M Chaskar | 2 to 27 July 2020 | Online |
| Department of Manufacturing Engineering & Industrial Management | | | | |
| 12 | ATAL Sponsored Online FDP "Systems Engineering" | B Rajiv | 1 to 5 February 2021 | COEP |
| 13 | ATAL FDP on Robotics | M D Jaybhaye | 23 to 27 November 2020 | COEP |
| Department of Mathematics | | | | |
| 14 | Seminar on 'Consider a Cylindrical Boy' | Majithia | 22 December 2020 | COEP(Online) |
| 15 | Seminar on Financial Mathematics and Management | Majithia | 24 March 2021 | COEP(Online) |

| Sr. No. | Name of the workshop/ seminar | Name of the Faculty | Period | Venue |
|---|---|--------------------------------------|------------------------------|--|
| Department of Mechanical Engineering | | | | |
| 16 | Student's Workshop on Innovation & Entrepreneurship | M G Karnik | January 2021 | Online |
| 17 | Faculty Development Program on Innovation & Entrepreneurship | M G Karnik | January 2021 | Online |
| 18 | National webinar on Government e-marketplace (GeM) | S S Mohite | 3 August 2020 | Online by GECA and UEC |
| 19 | Advances in Condition Based Maintenance using Vibration and Noise Monitoring by IIT, Indore | S S Mohite | 19 to 21 February 2021 | online Workshop for 42 final year students of Elective course Condition Monitoring + 3 faculty members (mohite, Suryawanshi and Patange) |
| 20 | Advances in Condition Based Maintenance using Vibration and Noise Monitoring by IIT, Indore | P P Suryawanshi | 19 to 21 February 2021 | online |
| Department of Metallurgy and Materials Science | | | | |
| 21 | Powder Metallurgy Short Course (PMSC-20) | N B Dhokey, S P Butee and V S Poddar | 26 to 29 September 2020 | Online Mode, Department of Metallurgy & Materials Science, COEP, PUNE |
| 22 | FDP - Advances in Thermo-Mechanical Processing of Materials (ATPM-2020) | M J Rathod, A M Moreand P G Ranaware | 14 to 18 December 2020 | Online Mode, Department of Metallurgy & Materials Science, COEP, PUNE |
| 23 | TEQIP and NPIU sponsored: Future Skill Technologies in "3D Printing and Design" | S P Butee and A P Pacharne | 27 February to 31 March 2021 | Online Mode, Department of Metallurgy & Materials Science, COEP, PUNE |

| Refresher Courses/ STTP Organized | | | | |
|--|---|---|-------------------------------|-------------------------------|
| Sr. No. | Title of the Course | Name of the Coordinator | Period | Venue |
| Department of Applied Sciences | | | | |
| 1 | Sustainable Plastic management | M Y Khaladkar, M R Shindikar, Ketaki Kamble | 11 to 16 January 2021 | Online |
| Department of Civil Engineering& Planning | | | | |
| 2 | “Advances in Earthquake Engineering” under AICTE Training and Learning (ATAL) Academy | S N Madhekar and V B Dawari | 4 to 8 January 2021 | COEP |
| Department of Computer Engineering & Information Tehcnology | | | | |
| 3 | CYBER SECURITY AND BLOCKCHAIN: AWARENESS, USE CASES, AND CHALLENGES (CSB-2021) | V K Pachghare and S B Mane | 4 to 8 February 2021 | COEP |
| Department of Electrical Engineering | | | | |
| 4 | Advanced Power System Protection under TEQIP III – Center of Excellence in Smart Renewable Energy System (CoE-SRES) | S S Dambhare, S V Unde and P N Gawande | 1 to 5 December 2020 | EED, COE, Pune (Virtual Mode) |
| 5 | Renewable Energy Integration and Energy Storage Under AICTE Training and Learning (ATAL) Academy | A G Thosar and S S Dambhare | 21 to 25 September 2020 | EED, COE, Pune (Virtual Mode) |
| 6 | Control System Design-Classical and Modern with Hands ON | S R Kurode | 22 to 27 March 2021 | EED, COE, Pune (Virtual Mode) |
| Department of Electronics and Telecommunication Engineering | | | | |
| 7 | Algorithms and Techniques for Signal Processing” during | Vibha Vyas, S P Mahajan Rajashri Mahajan, Aditya Gupta and Ashwini Kulkarni | 14 to 18 July 2020 | Online |
| 8 | System Engineering with Applications of Internet of Things (ATAL) | Vibha Vyas, Rajashri Mahajan, Aditya Gupta and V. N. More | 4 to 8 January 2021 | Online |
| 9 | Open-source Fundamentals and Introduction to Data Analytics | P P Rege, Aditya Gupta and Rashmika Patole | 21 August to 2 September 2021 | Online |

| Sr. No. | Title of the Course | Name of the Coordinator | Period | Venue |
|---|---|--|------------------------|---|
| 10 | Research Scholars' Conclave | S P Mahajan Vibha Vyas, Rajashri Mahajan, Aditya Gupta and V. N. More | 15 to16 June 2021 | Online |
| 11 | Automation and IoT | Vibha Vyas, Rajashri Mahajan, Aditya Gupta and V N More | 18 to 22 June 2021 | Online |
| Department of Mechanical Engineering | | | | |
| 12 | Emerging Trends in Refrigeration and Air Conditioning | S N Sapali | 26 April to 1 May 2021 | Online |
| 13 | Emerging Trends in Refrigeration and Air Conditioning | S N Sapali | 15 to 20 March 2021 | Online |
| 14 | Emerging Trends in Refrigeration and Air Conditioning | S N Sapali | 17 to 22 May 2021 | Online |
| Department of Metallurgy and Materials Science | | | | |
| 15 | Wire Drawing Fundamentals and Testing | Shishir Desai and V S Poddar | 29 October 2020 | Online Mode |
| 16 | Composite Materials and its Application | R K Goyal and M G Kulthe | 28 October 2020 | Online Mode |
| 17 | Introduction for nanomaterials and nanotechnolog | R K Goyal and R Verma | 4 November 2020 | Online Mode |
| 18 | Extraction of rare earth metals | P R Khangaonkar and A M More | 3 November 2020 | Online Mode |
| 19 | 14th Dr. Dara P. Antia Lecture: Prof. Sadoway | S P Butee and N B Dhokey | 11 September 2020 | Online Mode, Department of Metallurgy & Materials Science, COEP, PUNE |
| 20 | Corrosion Engineering Course | P P Deshpande and S T Vagge | 23 to 25 November 2020 | Ammunition Factory, Khadki, Pune |

❖ RESEARCH & DEVELOPMENT ACTIVITIES

| Sr. No. | Name of Department | Summary of Research Publications | | | | Total |
|---------|---|----------------------------------|-----------------------|---------------------|--------------------------|------------|
| | | National Journal | International Journal | National Conference | International Conference | |
| 1 | Applied Sciences | 1 | 1 | - | 1 | 3 |
| 2 | Civil Engineering | - | 16 | 1 | 67 | 84 |
| | Planning Section | 1 | 2 | 22 | - | 25 |
| 3 | Computer Engineering & Information Technology | 1 | 26 | - | 29 | 56 |
| 4 | Electrical Engineering | - | 3 | - | 10 | 13 |
| 5 | Electronics & Telecommunication Engineering | - | 18 | - | 38 | 56 |
| 6 | Instrumentation & Control Engineering | - | 11 | - | 28 | 39 |
| 7 | Mathematics | - | - | - | - | - |
| 8 | Manufacturing Engineering and Industrial Management | 3 | 15 | - | 12 | 30 |
| 9 | Mechanical Engineering | - | 36 | 2 | 46 | 84 |
| 10 | Metallurgy & Materials Science | 01 | 25 | 12 | 17 | 55 |
| 11 | Physics | - | 3 | - | 3 | 6 |
| | Total | 7 | 156 | 37 | 251 | 451 |

| PUBLICATIONS IN NATIONAL JOURNALS | | | |
|--|--|--|--|
| Sr. No. | Title of the Paper | Authors | Publication Details |
| Department of Applied Sciences | | | |
| 1 | The Process of Triangulation of Trait Anxiety, Type of Personality & Adjustment | Tanuja Kher | Cosmos Multidisciplinary Research E-Journal -VOLUME VI ISSUE I ISSN 2456-1665. Pages- 13-24 Volume VI Issue I January 2021 |
| Department of Civil Engineering | | | |
| 2 | Ranking of Stakeholders Expectations from Development Plan Preparation and Implementation Process using Fuzzy Analytical Hierarchy Process | Dawle Varsha, Sonar S. G. | 2229-7111 |
| Department of Computer Engineering & Information Technology | | | |
| 3 | Automated and efficient remote location monitoring using machine learning and deep learning | Vaibhav Khatavkar, Sagar Murade | Seybold journal Sept 2020 |
| Department of Manufacturing Engineering & Industrial Management | | | |
| 4 | Greedy Algorithm to Generate Cutting Patterns for Cutting Stock Problem (1D & 2D) | Shivali Lomate, B. Rajiv, P. D. Pantawane, B.B. Ahuja | Industrial Engineering ISSN 0970-2555 Journal Vol. XIII & Issue No.3 March – 2020 |
| 5 | Integrated multi criteria decision making for manufacturing plant location selection | Akshay Jadhav, P.D. Pantawane, B Rajiv, B.B. Ahuja | Industrial Engineering Journal Vol 14, Issue 3, March 2021 |
| 6 | Remote Monitoring and Control of the Elevator Simulator Module using Internet of Things", | Aashutosh Patil, Sudhir M. Patil, Maneetkumar R. Dhanvijay | (STM National Journal) Current Trends in Signal Processing, Volume 10, Number 3, 2020. |
| Department of Metallurgy & Materials Science | | | |
| 7 | Impact of Sinter Basicity and Alumina on Softening Melting Behavior in Blast Furnac | Vijay Kumar, Dhanraj Patil, K. P. Mrunmaya, Rameshwar Sah & Madhu Ranjan | Transactions of the Indian Institute of Metals ISSN 0972-2815 Trans Indian Inst Met DOI 10.1007/s12666-019-01848-0 |

| PUBLICATIONS IN INTERNATIONAL JOURNALS | | | |
|---|--|---|--|
| Sr. No. | Title of the Paper | Authors | Publication Details |
| Department of Applied Sciences | | | |
| 1 | Stress symptoms among engineering students | Tanuja Kher | International Journal of Multidisciplinary Educational Research ISSN:2277-7881; Vol:5.16; ISI VALUE:2.286, January2021 |
| Department of Civil Engineering | | | |
| 2 | Influence of sample preparation techniques on microstructure and nano-mechanical properties of steel-concrete interface | Sharan Kumar Goudar, B. B. Das, S B Arya and K N Shivaprasad | Construction and Building Materials, Elsevier, Vol. 256, 2020, pp. 119242 |
| 3 | Early strength development of blended concrete under different curing conditions | Parameshwar N Hiremath, H P Thanu, Basavana gowda S N and Sharan Kumar Goudar | Emerging Materials Research, ICE Publishing, Vol. 9(1), 2020, pp. 59-64. |
| 4 | A review on mechanical and microstructure properties of reinforced concrete exposed to high temperatures | Sharan Kumar Goudar, Santosh K Gedela, B B Das | Recent Developments in Sustainable Infrastructure, Springer Nature, Lecture Notes in Civil Engineering book series, Volume 75, 2021, pp. 719-728 |
| 5 | Predicting the Service Life of Reinforced Concrete by Incorporating the Experimentally Determined Properties of Steel–Concrete Interface and Corrosion | E. P. Sumukh, Sharan Kumar Goudar, Bibhuti Bhusan Das | Recent Trends in Civil Engineering, Springer Nature, Lecture Notes in Civil Engineering book series, Volume 75, 2021, pp. 399-417 |
| 6 | Influence of Particle Size of Bottom Ash on Mechanical Properties of M30 Grade Concrete | Sharan Kumar Goudar and Bibhuti Bhusan Das | Recent Trends in Civil Engineering, Springer Nature, Lecture Notes in Civil Engineering book series, Volume 105, 2021, pp. 533-543 |
| 7 | A Review on the Properties of Steel-Concrete Interface and Characterization Methods | E. P. Sumukh, Sharan Kumar Goudar, Bibhuti Bhusan Das | Smart Technologies for Sustainable Development, Springer Nature, Lecture Notes in Civil Engineering book series, Volume 78, 2021, pp. 533-543 |
| 8 | Geosynthetic Reinforced Unpaved Road: Literature Study and Design Example | D. Jayalakshmi, S. Bhosale | International Journal of Urban and Civil Engineering, Vol:15, No:3, 2021, pp 142-147 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|---|---|--|
| 9 | Geocell Reinforced Soil/Subgrade: Comparative Study of Bearing Capacity Evaluation Methods | Shrirao S. P. and Bhosale S. S. | Journal of University of Shanghai for Science and Technology, Volume 23, Issue 6, June – 2021, pp 595-605 |
| 10 | Seismic Performance of Multi-Storey Building with Reinforced Concrete and Composite Shear Wall Systems | V. B. Dawari, B. M. Dawari and H. A. Chaphekar | International Journal of Advanced Research in Engineering and Technology (IJARET), 12(3), 2021, pp. 242-251 (Scopus Listed). |
| 11 | Mode Shape Based Methods for Identification of Delamination in Composite Beams | V. B. Dawari, S. A. Kulkarni, B. M. Dawari and S. P. Joshi | International Journal of Advanced Research in Engineering and Technology (IJARET), 12(3), 2021, pp. 322-329 (Scopus Listed). |
| 12 | Deformations of Bridge Pier Subjected to Blast Loading | V. B. Dawari, P. S. Karmare, B. M. Dawari | International Journal of Scientific & Engineering Research Volume 12(3), 2021, pp. 528-534 |
| 13 | Evaluation of Moisture Susceptibility of Pyro-Oil Modified Bitumen by Surface Free Energy Approach | Shubham D. Suryawanshi, Hemantkumar P. Hadole, & M. S. Ranadive | Ground Improvement Techniques, (pp 363-377), Lecture Notes in Civil Engineering, Springer |
| 14 | Process for treating raw sugarcane bagasse ash to develop durable high-volume ash concrete | V.D.Katare and M.V.Madurwar | Journal of Building Engineering, volume 39, July 2021, pp102151, https://doi.org/10.1016/j.job.2021.102151 |
| 15 | Gabion Wall: Eco-friendly and Cost-Efficient Retaining Wall | Ganesh Chikute, Ishwar Sonar | Springer Lecture Notes in Civil Engineering “ Advances in Sustainable Construction Materials” Proceeding of ASCM 2020, Volume 124, ISBN 978-981-33-4589-8 ISBN 978-981-33-4590-4 (eBook) https://doi.org/10.1007/978-981-33-4590-4 |
| 16 | Recycled concrete Blocks- Eco-friendly and cost-effective solution for masonry construction | Ganesh Chikute, Ishwar Sonar | Journal of Seybold Report, ISSN: 1533– 9211, Volume 15 - Issue 8– 2020, PAPER ID: SBR /0820-41, Aug 2020 |
| 17 | Gabion Retaining Wall- time Efficient, Cost Efficient and Environmental Friendly Structure to Control Flood | Ganesh Chikute, Ishwar Sonar | IEI Centenary Publication on “Flash Floods: Challenges and its Management The Institution of Engineers (India) Jan 2021 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|--|---|--|---|
| 18 | Global Efforts towards Integrated Public Transportation Planning: A Brief Review | Sonar S. G. and Gaikwad A. B | 2278-0181 |
| 19 | Identifying Technical Descriptors for Restructuring of Development Plan Process using Delphi Technique | Dawle Varsha, and Sonar S. G. | 2005-4238 |
| Department of Computer Engineering & Information Technology | | | |
| 20 | Heterogeneous Data Fusion for healthcare monitoring: A Survey | Shrida Kalamkar | Big Data, IoT, and Machine Learning. Boca Raton: CRC Press, July 2020 ISBN:9780429322990 |
| 21 | Deep Learning based Intelligent Surveillance Model for Detection of Anomalous Activities from Videos | Vahida Attar Karishma Pawar | International Journal of Computational Vision and Robotics (IJCVR), Inderscience, July 2020 |
| 22 | Statistical Study of Machine Learning Algorithms Using Parametric and Non-Parametric Tests: A Comparative Analysis and Recommendations. | Vijay Khadse | International Journal of Ambient Computing and Intelligence (IJACI) (2020), July 2020 |
| 23 | An Efficient Feature Reduction Method for the Detection of DoS Attack | Deepak Kshirsagar Sandeep Kumar | ICT Express January 2021 |
| 24 | A Feature reduction based Reflected and Exploited DDoS Attacks Detection System | Deepak Kshirsagar, Sandeep Kumar | Journal of Ambient Intelligence and Humanized Computing |
| 25 | An Approach towards Hybrid Feature Selection for Detection of DDoS Attack | Deepak Kshirsagar, Anuja Patil | International Journal of Autonomic Computing, November 2020 |
| 26 | PaaS Optimization of Apache Applications Using System Parameter Tuning of Big Data Platforms in Distributed Computing | Tanuja Pattanshetti, Vahida Attar | International Journal of Distributed Systems and Technologies, October 2020 |
| 27 | Backup and Recovery Mechanisms of Cassandra Database: A Review | V. K. Pachghare, Karina Bohora, Amol Bothe, Damini Sheth, Rupali Chopade | Journal of Digital Forensics, Security and Law instructions for authors, December 2020 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|--|--|---|
| 28 | CaneSat dataset to leverage convolutional neural networks for sugarcane classification from Sentinel-2 | V. K. Pachghare, Shyamal Virnodkar | Journal of King Saud University – Computer and Information Sciences, August 2020 |
| 29 | Transfer Learning for Aspect Term Polarity Determination | Vahida Attar, Hetal Gandhi | Solid State Technology (2020): 956-968, October 2020 |
| 30 | Multimodal Sentiment Analysis of Nursery Rhymes for Behavior Improvement of Children | Vaibhav Khatavkar, Parag A Kulkarni, Makarand Velankar | Journal of University of Shangai for science and technology, December 2020 |
| 31 | Cost-based Recommendation of Parameters for Local Differentially Private Data Aggregation, | Jibi Abraham, Snehkumar Shahani, R Venkateswaran | Elsevier International Journal on Computers and Security, March 2021 |
| 32 | Analysis of Rule-based Classifiers for IDS in IoT | Shrida Kalamkar | Big Data, IoT, and Machine Learning. Boca Raton: CRC Press, July 2020 |
| 33 | Feature Selection for Intrusion Detection System in Internet-of-Things (IoT) | Deepak Kshirsagar, Pushparaj Nimbalkar | Information & Communications Technology Express |
| 35 | Faster R-CNN Based Deep Learning Model for Vehicle License Plate Number Recognition for Smart Cities | T. Vetriselvi, E.Laxmi Lydia, Sachi Nandan Mohanty, Eatedal Alabdulkreem, Shaha Al-Otaibi, Amal Al-Rasheed, & Romany F Mansour | Computers, Materials, & Continua, (2021). ISSN: 1546-2218, IF :4.89 |
| 35 | Smart contract-based land registry system to reduce frauds and time delay | Sandeep Kumar Panda, Gouse Baig Mohammad, Sachi Nandan Mohanty | <i>Security and Privacy</i> , (Wiley), vol.4, Issue no.3, 1-21 (2021). doi.org/10.1002/spy2.172 |
| 36 | Forecasting Energy Generation in Large Photovoltaic plants using Radial Belief Neural Network | Yuvaraj Natarajan, Srihari Kannan, Chandragandhi Selvaraj, Sachi Nandan Mohanty, | <i>Sustainable Computing: Informatics and Systems</i> , 2021 (ELSEVIER). IF: 2.69, https://doi.org/10.1016/j.suscom.2021.100578 |
| 37 | A Smart ontology-based IoT framework for remote patient monitoring | Nonita Sharma, Monika Mangla, Sachi Nandan Mohanty, Deepak Gupta, Prayag Tiwari, Mohammad shorfuzzaman, Majdi Rawashdeh | <i>Biomedical signal Processing and Control</i> (ELSEVIER) (2021), IF:3.8, Vol. 68, No. 2, 102717-102729, Dol: doi.org/10.1016/j.bspc.2021.102717 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|--|--|---|
| 38 | A fuzzy-based expert system to analyze purchase behavior under uncertain environment | Doan Van Thang, Monika Mangla, Suneeta Satpathy, Chinmaya Ranjan Pattnaik, Sachi Nandan Mohanty, | International Journal of Information and Technology, (2021), Doi.org/10.1007%2Fs41870-021-00615-z |
| 39 | A sequential ensemble model for software fault prediction. | Nonita Sharma, Monika Mangla, Sachi Nandan Mohanty | Innovations Systems and Software Engineering (2021), Vol. 17, No. 1., ISSN: 1614-5054, doi.org/10.1007/s11334-021-00390-x |
| 40 | Ubiquitous Vehicular Ad-Hoc Network Computing Using Deep Neural Network with IoT-Based Bat Agents for Traffic Management | Srihari Kannan, Gaurav Dhiman, Yuvraj Natrajan, Asutosh Sharma, Sachi Mohanty, Mukesh Soni, Udaykumar Easwaran, Hamidereza Ghorbani, Alia Asheralieva, Mehdi Gheisari, | Electronics, (2021), Vol. 10, No. 7, 1-16, ISSN: doi.org/10.3390/electronics10070785. |
| 41 | Agricultural Recommendation System for Crops Using Different Machine Learning Regression Methods | Mamta Ganayak, Sachi Mohanty, Alok Kumar Jagadev, International | Journal of Agricultural and Environmental Information Systems, (2021) Vol. 12, No.1, 1-20, ISSN: 1947-3192, Doi: 10.4018/IJAEIS |
| 42 | Predicting mortality rate and associated risks in COVID -19 patients | Suneeta Satpathy, Monika Mangala, Nonita Sharma, Hardik Deshmukh, Sachi Nandan Mohanty | Spatial Information Research, (2021). Doi.org/10.1007/s41324-021-00379-5 |
| 43 | A Heterogeneous Ensemble Forecasting Model for Disease Prediction | Nonita Sharma, Jaiditya Dev, Monika mangla, Vaishali Mehta, wadhwa, Sachi Mohanty, Deepti Kakkar | New Generation Computing, (2021), Doi.org/10.1007/s00354-020-00119-7, ISSN:0288-3635 |
| 44 | SRCP: sharing and reuse aware replacement policy for the partitioned cache in multicore systems | Soma Niloy Ghosh, Lava Bhargava, Vineet Sahula | Springer's Design Automation for Embedded Systems (June 2021). https://doi.org/10.1007/s10617-021-09251-z |
| 45 | Orthogonal Attention: A Cloze-Style Approach to Negation Scope Resolution | Vahida Attar, Aditya Khandelwal | Arxiv 2021, https://arxiv.org/abs/2103.04294 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|--|--|--|--|
| Department of Electrical Engineering | | | |
| 46 | Discrete Controller with State & Disturbance Estimation for Robust Performance of DC/DC Buck Converter. | Surajkumar Sawai, S. R. Kurode | International Journal of Dynamics and Control. |
| 47 | Current differential protection of double-circuit transmission lines in modal domain | S. V. Unde | Electrical Engineering, Springer |
| 48 | Development and performance analysis of solar photovoltaic - thermal (PVT) systems | R. S. Kulkarni | Sadhana (Springer) |
| Department of Electronics & Telecommunication Engineering | | | |
| 49 | Application of Taguchi method to improve land use land cover classification using PCA-DWT-based SAR-multispectral image fusion | Samadhan C Kulkarni, Priti P Rege | Journal of Applied Remote Sensing, Volume 15, Issue 1, Pages 014509, Publisher International Society for Optics and Photonics, February 2021 |
| 50 | Use of noise reduction filters on stereo images for improving the accuracy and quality of the digital elevation model | Litesh Bopche, Priti P Rege | Journal of Applied Remote Sensing, Volume 15, Issue 1, Pages 014508, Publisher International Society for Optics and Photonics, February 2021 |
| 51 | Pixel level fusion techniques for SAR and optical images: A review | Samadhan C Kulkarni, Priti P Rege | Information Fusion, Volume 59, Pages 13-29, Publisher Elsevier |
| 52 | Tone mapped high dynamic range image quality assessment techniques: Survey and analysis | Sunil L Tade, Vibha Vyas | Archives of Computational Methods in Engineering, Volume 28, Issue 3, Pages 1561-1574, Publisher Springer, May 2021 |
| 53 | A DTMOS-based power efficient recycling folded cascode operational transconductance amplifier | Amitkumar S Khade, Sandeep Musale, Ravikant Suryawanshi, Vibha Vyas | Analog Integrated Circuits and Signal Processing, Volume 107, Issue 1, Pages 227-238, Publisher Springer, April 2021 |
| 54 | Vehicle detection using faster R-CNN | Kaustubh V Sakhare, Pallavi B Mote, Vibha Vyas | Safety, Security, and Reliability of Robotic Systems: Algorithms, Applications, and Technologies Pages 119, Publisher CRC Press, December 2020 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|---|---|--|
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| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|--|---|--|
| 200 | Augmentation of decision tree model through tuning of hyper-parameters for monitoring of cutting tool faults | Ameya Zarkar, Abhishek Patange, S. S. Pardeshi, Kshitiz Verma | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 201 | Performance and ferrography analysis for determining the wear of an external gear pump | Nihal Dhote, Mohan Khond, Shadab Sheikh Abhishek Patange | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 202 | A robust k-Nearest Neighbors (knn) model for fault diagnosis of cutting tool | Kshitiz Verma, Abhishek Patange, S. S. Pardeshi, Amey Zarkar | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 203 | Use of micro-electro-mechanical system (MEMS) based low-cost accelerometers for vibration monitoring | Rugved Wakchaure, Abhishek Patange, Sujit Pardeshi | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 204 | Overview of contemporary smart systems driven by open-design movement | Aditya Medhi, Abhishek Patange, Sujit Pardeshi | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 205 | Deep Learning Algorithms for Tool Condition Monitoring in Milling: A Review | Sonali Patil, Sujit Pardeshi, Abhishek Patange | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 206 | Data driven hobbing tool fault diagnosis system using machine learning approach | Nagesh Tambake, Bhagyesh Deshmukh, Abhishek Patange | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|--|--|--|
| 207 | A low-cost smart systems based on an open source platform 'Arduino' | Aditya Patil, Abhishek Patange, Sujit Pardeshi | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 208 | Development of Compact Amplifier Compliant Mechanism for Micro/Macro Positioning Systems | Parag Marathe, Sujit Pardeshi and Bhagyesh Deshmukh | International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), 26 th -27 th March 2021, VIT Chennai |
| 209 | Thermal aspect of material selection for substrate board equipped with high heat flux IC chips | Shankar Durgam, Ajinkya Bhosale, Vivek Bhosale, Revati Deshpande, Pankaj Sutar | International Conference on Inventive Research in Material Science and Technology (ICIRMCT 2021)", organized by RVS Technical Campus, Coimbatore, India on 22 nd -23 rd , January 2021 |
| 210 | Numerical Simulation of Diesel Particulate Filter to Predict the Pressure Drop | Shankar Durgam, Pravinkumar S. Bansode | IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2021), FCRIT, Navi Mumbai, India, 15 th -16 th January, 2021 |
| 211 | Ensemble Learning for Predicting Temperature of Heat Sources to avoid Electronic Failures | Shankar Durgam, Ajinkya Bhosale, Vivek Bhosale, Revati Deshpande, Pankaj Sutar | IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2021), FCRIT, Navi Mumbai, India, 15 th -16 th January, 2021 |
| 212 | Prediction of Fault Detection Based on Vibration Analysis for Motor Applications | Shankar Durgam, Lokesh Bawankule, Prasad Khindkar | IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2021), FCRIT, Navi Mumbai, India, 15 th -16 th January, 2021 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|--|--|--|
| 213 | Investigation of thermal properties and heat transfer performance of nanofluids | Shankar Durgam, Ganesh Kadam | IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2021), 15 th -16 th January, 2021 |
| 214 | Heat transfer enhancement from IC chips on conductive substrates subjected to high heat fluxes | Shankar Durgam, Ajinkya Bhosale, Vivek Bhosale, Revati Deshpande, Pankaj Sutar | The Second International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2021), National Institute of Technology, Silchar. Assam, India, 7 th to 9 th February 2021 |
| 215 | XG Boost Algorithm for Temperature Prediction of IC Chips". 1st International Conference on Applied Analysis | Shankar Durgam, Ajinkya Bhosale, Vivek Bhosale, Revati Deshpande, Pankaj Sutar. Subodh Kamble | 1st International Conference on Applied Analysis, Computation and Mathematical Modelling in Engineering (AACMME 2021), Organized by National Institute of Technology Rourkela, Odisha, India, 24 th - 26 th , February 2021. |
| 216 | Thermal analysis of fin materials for engine cylinder heat transfer enhancement | Shankar Durgam., Aniket Kale, Nikhil Kene, Akshay Khedkar, Sanket Palve, and Nikita M. Gawai | 3rd International Conference on Trends in Material Science and Inventive Materials ICTMIM 2021, JCT College of Engineering and Technology, Coimbatore, India, 12 th -13 th March 2021 |
| 217 | Experimental and Numerical Studies on Materials for Electric Vehicle Chassis | Shankar Durgam., Vikrant Mahesh Deshmukh, Akshay Prakash Jagtap, Mahendra J. Sable and Nikita M. Gawai | 3rd International Conference on Trends in Material Science and Inventive Materials ICTMIM 2021, JCT College of Engineering and Technology, Coimbatore, India, 12 th -13 th March 2021 |
| 218 | Materials for Hybrid and Electric Vehicles Battery Pack Thermal Management: A Review | Shankar Durgam., Priyanka Datir, Onkar Tawase, Dipak Savant, Ganesh Tapkir, Ravi M. Warkhedkar and Nikita M. Gawai | 3rd International Conference on Trends in Material Science and Inventive Materials ICTMIM 2021, JCT College of Engineering and Technology, Coimbatore, India, 12 th -13 th March 2021 |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---|---|--|---|
| 226 | Heat flux optimization for heat sources on conductive substrates for heat transfer enhancement, Paper ID: 570 | Shankar Durgam, Ajinkya Bhosale, Vivek Bhosale | 26 th National & 4 th International ISHMT - ASTFE Heat and Mass Transfer Conference (IHMTTC 2021), 17 th - 20 th December 2021 at IIT Madras, Chennai - 600036, India, |
| 227 | Selection of appropriate strategy to reduce the thermal losses associated in Lithium-ion batteries, Paper ID: 647 | Shankar Durgam, Priyanka Datir, Dipak Savant | 26 th National & 4 th International ISHMT - ASTFE Heat and Mass Transfer Conference (IHMTTC 2021), 17 th - 20 th December 2021 at IIT Madras, Chennai - 600036, India, (Accepted) |
| 228 | Thermal management of Lithium-ion battery using liquid cooling, Paper ID: 21TTTMS-0061 | Vikrant Mahesh Deshmukh, Shankar Durgam | SAE Conference on Thermal Management of Systems 2021, 22 nd -25 th September 2021 Rajasthan, India |
| 229 | Prediction of limiting conditions for passive cooling of heated blocks under horizontal channel: A computational investigation, Paper ID: 657 | Shankar Durgam., and M. P. Khond | 26th National and 4th International ISHMT - ASTFE Heat and Mass Transfer Conference (IHMTTC 2021), 17 th - 20 th December 2021 at IIT Madras, Chennai - 600036, India, (Accepted) |
| 230 | Numerical simulation on printed circuit boards for high heat fluxes under forced air-cooling system | Durgam S D and Haribhakta V K | 5th - 6th Thermal and Fluids Engineering Conference (TFEC) 26 th -28 th May 2021, Virtual Conference, New Orleans, LA, USA |
| Department of Metallurgy & Materials Science | | | |
| 231 | Fabrication of Pure Aluminium Reinforced Graphene Composite For Heat Sink Applications | Kavya Venu Pillai, Vaishnavi Vijay Nerpagar, and Narendra Dhokey | Sustainable Energy, Environment and Green Technologies (ICSEEGT2021) ICSEEGT2021-AU-1018 |
| 232 | Modelling of oxidation phenomenon of mill-scale and analysis of influencing parameters | P.C. Jikar, N.B. Dhokey | Advances in Materials Processing & Manufacturing Applications (iCADMA 2020) , Nov 5-6 2020, Materials Today: Proceedings |
| 233 | Overview on production of reduced iron powder from mill scale waste | P.C. Jikar, N.B. Dhokey | Materials Today: Proceedings |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|--|--|--|
| 234 | Study of hot pressed sintering of premixed Al7075 based B4C reinforced composites on wear mechanism | N.B. Dhokey, S.U. Dangrikar | Advances in Materials Processing & Manufacturing Applications (iCADMA 2020) , Nov 5-6 2020, Materials Today: Proceedings, |
| 235 | Evaluation of mechanical properties of cold roll bonded mild steel and aluminum | V. Poddar, M.J. Rathod | International Conference on "Cutting-edge Research in Material Science and Chemistry |
| 236 | Investigation of nanocrystallization behaviour of AISI 316 stainless steel under adiabatic and non-adiabatic severe plastic deformation | P. Ranaware. M.J. Rathod, Chaitanya Bakare | Materials Today: Proceedings |
| 237 | Wear behavior and machinability of hot pressed sintering of B4C reinforced M3/2 HSS composite | V. T. Thavale, N. B. Dhokey | Advances in Materials Processing & Manufacturing Applications (iCADMA 2020) , Nov 5-6 2020, Materials Today: Proceedings |
| 238 | High electromagnetic interference shielding of poly(ether-sulfone)/multi-walled carbon nanotube nanocomposites fabricated by an eco-friendly route | R. Verma, R, K, Goyal, M.J. Rathod | IOP Science Nanotechnology, 31(38), July 2020, DOI: 10.1088/1361-6528/ab97d3 |
| 239 | Improved Process for Synthesizing n-type and p-type β -FeSi ₂ Thermoelectric Material from Attritor Milled Powder | V. Poddar, N.B. Dhokey, S.P. Butee | International Conference on "Cutting-edge Research in Material Science and Chemistry |
| 240 | Improvement in Mechanical Properties of 42CrMo4 Steel Through Novel Thermomechanical Processing Treatment | A.S. Thakre, S. P. Butee, K.R. Kamble | Metallography, microstructure, and analysis – Springer, DOI 10.1007/s13632-020-00684-9 |
| 241 | Microstructural aspects of tensile strength, toughness and wear for 34CrMo4 steel | A.S. Thakre, S.P. Butee, K.R. Kamble | Materials Today: Proceedings |
| 242 | Wear Behaviour of Nano- and Micro-Y2O3 dispersed SS316L PM Structural Steels | P.S. Yadav, S.P. Butee | Material TECH 2021, 9-10/01/2021, organized by NIT, Raipur |
| 243 | Overview on Hardfacing Processes, Materials and Applications | R. Garbade, N. B. Dhokey | Advances in Materials Processing & Manufacturing Applications (iCADMA 2020) , Nov 5-6 2020, IOP Conference Series: Materials Science and Engineering |

| Sr. No. | Title of the Paper | Authors | Publication Details |
|---------|--|---|--|
| 244 | Formulation of mathematical model for improved heat transfer in heat sink electronic system | Satyam Sastare, Harshada Bhand, N.B. Dhokey | International Conference on "Cutting-edge Research in Material Science and Chemistry |
| 245 | Dimensionless model and performance analysis of low temperature thermoelectric materials | Vismay Chandra , Taher Balasinorwala, N.B. Dhokey | International Conference on "Cutting-edge Research in Material Science and Chemistry |
| 246 | Effect of precipitation hardening on stress corrosion cracking & susceptibility index of AZ31B magnesium alloy in simulated body fluid | S.T.Vagge , Shubhankar Bakshi | International conference on Mechanical, Material and manufacturing Technology (ICE3MT2020) , CVR CoE, Hyderabad October 9-10, 2020 (Online mode presentation) |

➤ **LIST OF SPONSORED RESEARCH PROJECTS FUNDED BY ALUMNI/TEQIP/INDUSTRY**

| Governemnt | | Alumni Association | | TEQIP | | Industry | | Institute | |
|----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|
| No. of projects sanctioned | Amount (Lakhs) | No. of projects sanctioned | Amount (Lakhs) | No. of projects sanctioned | Amount (Lakhs) | No. of projects sanctioned | Amount (Lakhs) | No. of projects sanctioned | Amount (Lakhs) |
| 13 | 194.38 | 1 | 1.00 | -- | -- | 8 | 417.50 | 30 | 167.70 |

➤ **Projects funded by Government agencies**

| Sr. No. | Project Title | Co-Ordinator | Sponsoring agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) | Whether Ongoing/ Completed |
|--|---|---------------------------------------|-------------------|---|-----------------------|----------------------------|
| Department of Applied Sciences | | | | | | |
| 1 | Demonstration of Solar Sail deployment system in space | M Y Khaladkar | ISRO_SIPO | Email communication dt 11/09/2020 | 20.20 | Recently started |
| Department of Civil Engineering | | | | | | |
| 2 | Modernization of Fluid Mechanics Laboratory in Civil Engineering Department | N.M.Mohite | AICTE-MODROBS | Ref No. 12/AICTE/RI FD/MOD(Policy-2)-27/2012-13 | 17.50 | Ongoing |
| Department of Electrical Engineering | | | | | | |
| 3 | AICTE ATAL FDP on Renewable Energy Intergration and Energy Storage | Dr. Archana Thosar, Dr. S.S. Dambhare | AICTE-ATAL | 01-/AICTE/ATAL-HQ/201-20 | 0.93 | Completed |
| Department of Instrumentation and Control Engineering | | | | | | |
| 4 | AICTE ATAL FDP on Wearable technology | Kalyani Bhole D. N Sonawane | AICTE-ATAL | F.N. 01/AICTE/ATAL-HQ/2019-20 | 0.93 | Completed |

| Sr. No. | Project Title | Co-Ordinator | Sponsoring agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) | Whether Ongoing/ Completed |
|--|---|--------------------------------|--------------------------|--|-----------------------|----------------------------|
| 5 | AICTE ATAL FDP on Control system and sensor technology | D. N. Sonawane A. S. Deshpande | AICTE-ATAL | AICTE/ATAL/2019-20/1582567988 dated 23.11.2020 | 0.93 | Completed |
| 6 | Development of Vehicle Dynamic plant Model and Embedded Co-simulation with ARM platform | Dr. D. N. Sonawane | VRDE(DRDO) A'Nagar CARS | VRDE/MIG/T C/CARS/2020 dated 27/10/2020 | 7.50 | Ongoing |
| Department of Manufacturing Engineering & Industrial Management | | | | | | |
| 7 | Modernization of Rapid Prototyping Lab | P. D. Pantawane/ Arati Mulay | AICTE-MODROBS | 9-19/1DC/MOD ROB/2019-20 dated 1.9.2020 | 12.50 | Ongoing |
| 8 | AICTE ATAL FDP on AI & Robotics only for CBSE Teachers Training | Dr. M.D. Jaybhaye | AICTE-ATAL | Email fro WRO Mumbai dated 19.10.2020 | 0.93 | Completed |
| 9 | AICTE ATAL FDP on System Engineering | Dr. B. Rajiv | AICTE-ATAL | AICTE letter dated 14.01.2021 | 0.93 | Ongoing |
| Department of Metallurgy and Materials Science | | | | | | |
| 10 | High temperature wear study of High Entropy Alloy | N B Dhokey V S Poddar | AICTE-RPS | -- | 12.53 | On going |

| Sr. No. | Project Title | Co-Ordinator | Sponsoring agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) | Whether Ongoing/ Completed |
|---------|--|-----------------------------|-------------------|--|-----------------------|----------------------------|
| 11 | Installation of High Pressure Die Casting facility and training center | B. B. Ahuja S P Butee | ALUCAST | -- | 100.0 | On going |
| 12 | A study on piezoelectric properties of High Curie temperature Piezoceramics | K.R. Kamble, N.B. Dhokey | AICTE - MODROB | F.No.- 48/RFID/MO D/Policy- I/2018-19 | 11.00 | On going |
| 13 | Studies on Microstructure and Mechanical Properties of En19 Steel for Small arms gun barrel applications | N.B. Dhokey | ARDE-DRDO | Mail from ARDE drdo dated 22.2.2021 | 08.50 | On going |
| | | | | | Total | 194.38 |

➤ **R&D Projects funded by Alumni Association**

| Sr. No. | Project Title | Co- Ordinator | Sponsoring Agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) |
|---|--|------------------------------|-------------------|--------------------------------|-----------------------|
| Department of Electrical Engineering | | | | | |
| 1 | Development of Laboratory Model of Unified Power Flow Controller | Dr. V. N. Pande, Meera Murli | COEP Alumni | 30.11.2020 | 1.00 |
| | | | | Total | 1.00 |

➤ **R&D Projects funded by Industry**

| Sr. No. | Project Title | Co- Ordinator | Sponsoring Agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) |
|---|--|--------------------------|-------------------------------|--------------------------------|-----------------------|
| Department of Electrical Engineering | | | | | |
| 1 | Design and Development of IOT based Smart Charging Station (Interdisciplinary) | Dr. Meera Murali | Varroc | 2020-2021 | 10.00 |
| Department of Mechanical Engineering | | | | | |
| 2 | Development of Vibration and Acoustics Laboratory | A. P. Bhattu | Fluid Controls Pvt. Ltd. Pune | 2020-2021 | 7.50 |
| Department of Metallurgy and Materials Science | | | | | |
| 3 | For creating "N.K. Firodia School of Metallurgy and Materials Science" under CSR | B. B. Ahuja S P Butee | FORCE MOTORS | 2020-2021 | 400.0 |

| Sr. No. | Project Title | Co- Ordinator | Sponsoring Agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) |
|---------|--|--------------------------------------|----------------------------|--------------------------------|-----------------------|
| 4 | Transfer and effect of nitrogen in duplex super duplex and austenitic stainless steel in various welding processes and its effect on mechanical properties | Prof. P.P. Deshpande, Siddhant Rakhe | ADOR Welding Ltd. | 2020-2021 | -- |
| 5 | Production of Li-Di silicate ingot for pressable dental prosthesis. | Dr. S.P. Butee, Shubham Sawant | D Tech Dental Technologies | 2020-2021 | -- |
| 6 | Developing powder making technology for dental zinc phosphate cement | Dr. K.R. Kamble, Prity Burande | D Tech Dental Technologies | 2020-2021 | -- |
| 7 | Effect of alloying elements and different heat treatment on all weld microstructure and mechanical properties in low alloyed steel weldments | Dr. Madhu Ranjan, Parasnis | ADOR Welding | 2020-2021 | -- |
| 8 | Effect of welding parameters on dilution, ferrite chemical composition, and corrosion properties in Stainless Steel strip cladding | Dr. Madhu Ranjan, Akshay Shitole | ADOR Welding | 2020-2021 | -- |
| | | | | Total | 417.50 |

➤ R&D Projects funded by Institute

| Sr. No. | Project Title | Co-Ordinator | Sponsoring Agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) |
|--------------------------|--|---|-------------------|--------------------------------|-----------------------|
| Applied Science | | | | | |
| 1 | Employing remote sensing, high performance computing and machine learning algorithms for spatio-temporal analysis of mangroves for their effective management | PI: Dr. S.H. Shindikar, Co-PI: Mr. SurajSawant | COEP R&D | 29/08/2020 | 4.8 |
| 2 | Low dimensional TiO ₂ /CH ₃ NHPbI ₃ materials for enhanced stability of high voltage perovskite solar cell and engineering its properties | PI: Dr. G.L. Agawane Co-PI: Mrs. N.V. Iyer | COEP R&D | 29/08/2020 | 4.9 |
| 3 | Corrosion and Wear behaviour of Biomaterials in Simulated Body Fluids | PI: Prof. S.T. Vagge Co-PI: Dr. K.Y. Suranje | COEP R&D | 29/08/2020 | 5.0 |
| Civil Engineering | | | | | |
| 4 | Roboust- Active Tuned Mass Damper (R-ATMD)for seismic protection of sensitive equipment | S N Madhekar | COEP R&D | 29/08/2020 | 5.0 |
| 5 | Development of Semi-Circular Bending (SCB) Fracture Test for Bituminous Mixtures | Dr. M. S. Ranadive | COEP R&D | 29/08/2020 | 5.0 |
| 6 | Investigation of Mixing and Compaction Temperature of Pyro-oil Modified Asphalt Brookfiled Rotational Viscometer | Dr. M. S. Ranadive | COEP R&D | 29/08/2020 | 10.0 |
| 7 | Geocell Reinforced Unpaved Road: A Full-Scale Accelerated Pavement Study | Dr. S. S. Bhosale | COEP R&D | 29/08/2020 | 17.0 |

| Sr. No. | Project Title | Co- Ordinator | Sponsoring Agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) |
|--|--|---|-------------------|--------------------------------|-----------------------|
| Department of Computer Engineering and Information Technology | | | | | |
| 8 | Employing Remote Sensing for Spatio-temporal Analysis | Mr. Suraj T. Sawant, Mr. Amit D. Joshi | COEP R&D | 29/08/2020 | 4.8 |
| 9 | Machine Learning Assisted Protective Relays for Power System (ENTIRRE) | Mr. Suraj T. Sawant | COEP R&D | 29/08/2020 | 4.9 |
| 10 | Collaborative Design Transformation for Smart Cities | Mr. Suraj T. Sawant | COEP R&D | 29/08/2020 | 4.0 |
| Department of Electrical Engineering | | | | | |
| 11 | Design and development of an Electric Motor for EV application addressing the future mobility of rural and urban India | Dr. S. S. Dambhare, Dr. A.G. Thosar | COEP R&D | 29/08/2020 | 5.0 |
| 12 | Design and development of glove for suppression for resting tremor in Parkinson's disease | A. G. Thosar, U. M. Chaskar | COEP R&D | 29/08/2020 | 3.9 |
| 13 | Robus- Active tuned mass damper (R-ATMD) for seismic protection of sensitive equipment | Dr. S.R. Kurode, S.M. Nadhekar | COEP R&D | 29/08/2020 | 5.0 |
| 14 | Design and Development of IOT based Smart Charging Station (Interdisciplinary) | Dr. Meera Murli | COEP R&D | 29/08/2020 | 10.0 |
| 15 | Machine Learning Assisted Protective Relays for Power System (ENTIRRE) | Mr. Prashant Gawande and Mr. Suhas Kakade | COEP R&D | 29/08/2020 | 5.0 |
| 16 | A day ahead estimation of solar PV plant using Machine learning Algorithm | Mr. Suhas Kakade & Mr. Rohan Kulkarni | COEP R&D | 29/08/2020 | 5.0 |
| Sr. | Project Title | Co-Ordinator | Sponsoring | Sanctioned | Amount |

| No. | | | Agency | Letter No. and Date | (RS. in Lakhs) |
|---|---|--|----------|-------------------------------|----------------|
| Electronics and Telecommunication Engineering | | | | | |
| 17 | Design and development of IoT based smart charging station | Dr. Meera Murali, (Electrical) Dr. R. D. Joshi (E & TC) | COEP R&D | 29/08/2020 | 5.0 |
| 18 | A day ahead output power estimation of solar photovoltaic plant using machine learning algorithms " | Mr. Suhas Kakade, (Electrical) Dr. P.P. Bartakke (E & TC) | COEP R&D | 29/08/2020 | 5.0 |
| Department of Instrumentation and Control Engineering | | | | | |
| 19 | Design and development of Robotic arm for kinematic study and validation of advance control strategies" | Dr. Sandeep Hanwate | COEP R&D | No./COEP/R and D/IDMRP/12 (9) | 5.0 |
| 20 | Design and development of glove for suppression for resting tremor in Parkinson's disease | Dr. U. M. Chaskar | COEP R&D | No./COEP/2020/IMRP/AGT-UMC/05 | 5.0 |
| 21 | Design and characterisation of customized 3D food printer | Dr. U. M. Chaskar | COEP R&D | No./COEP/2020/IMRP/C-UMC/07 | 5.0 |
| Department of Manufacturing Engineering and Industrial Mangement | | | | | |
| 22 | Development of general soil testing set up | Dr. B. U. Sonawane, Dr K K Tripathi | COEP R&D | No./COEP/2020/IMRP/KKTB US/18 | 4.5 |
| 23 | Development of setup for hot ferrography of sliding pairs | Dr. B. Rajiv (PI), Dr. P. P. Deshpande | COEP R&D | No./COEP/2020/IMRP/BRPP D/12 | 4.5 |
| 24 | Design and Development of Robotic arm for Kinematic study and validation of advance control strategies. | Dr.SandipHanwate (PI) Dr.M.D.Jaybhaye | COEP R&D | No./COEP/2020/IMRP/SDHMDJ/17 | 4.5 |

| Sr. No. | Project Title | Co-Ordinator | Sponsoring Agency | Sanctioned Letter No. and Date | Amount (RS. in Lakhs) |
|---|--|-------------------------------|---|--------------------------------|-----------------------|
| Department of Metallurgy and Materials Science | | | | | |
| 25 | Development of super high Curie temperature piezoceramic with isotropic properties through controlled doping | K R Kambale, J. W. Dadge | In-house Interdisciplinary Minor Research Project | August 2020 | 5.0 |
| 26 | Incremental forming of the Aluminum Alloys: Role of Texture and Microstructure and forming parameters | A. M. More | In-house Interdisciplinary Minor Research Project | August 2020 | 5.0 |
| 27 | Design and Development of Resistance Heating Nitriding Furnace | P. G. Ranaware, R. T. Ugale | In-house Interdisciplinary Minor Research Project | August 2020 | 4.9 |
| 28 | Corrosion and wear behavior of biomaterials | S. T. Vagge, K. S. Surunje | In-house Interdisciplinary Minor Research Project | August 2020 | 5.0 |
| 29 | Metal oxide Nanocomposites as efficient Electromagnetic interference shielding materials for the application of electromagnetic compatibility | R.S. Kamble, S. T. Vagge | In-house Interdisciplinary Minor Research Project | August 2020 | 5.0 |
| Department of Physics | | | | | |
| 30 | Metal Oxide (LaNiO ₃ /ferrites) Nanocomposites as Efficient Electro-Magnetic Interference Shielding Materials for electromagnetic compatibility | R. B. Kamble, Dr. S. T. Vagge | COEP R&D | 29/08/2020 | 5.0 |
| | | | | Total | 167.70 |

❖ DETAILS OF CONSULTANCY PROJECTS

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|--|--|----------------------------|---|-----------------------|
| Department of Applied Sciences | | | | |
| 1 | Ambient Noise Level Monitoring in Residential Area | M. R. Shindikar | Narendra Hegade Sunshree Suvarnyug Society NIBM Road Kondawa Pune | 0.3 |
| Total | | | | 0.3 |
| Department of Civil Engineering | | | | |
| 2 | Proof checking of RCC design and drawing of Chlorination building at Jambhul WTP | N. A. Hedao | Pushpgiri Constructions, Ulhasnagar | 0.295 |
| 3 | 7th third party audit inspection on Underground sewerage system in Bhiwandi | N. A. Hedao | The Commissioner & Director, Directorate of Municipal Administrative Govt Transport Bld, Worli | 6.83269 |
| 4 | Proof checking of design and drawing of RCC building MHADA at Talegaon | N. A. Hedao | Patil construction & Infrastructure Ltd. Pune | 7.08 |
| 5 | Third party audit roads under PMC, Pune | M. S. Randive | M/s Devkar Earthmovers, Pvt. Ltd, Pune | 0.83748 |
| 6 | consultancy for various civil works at new administrative building | M. S. Randive | Bhor Municipal Council, Bhor, Pune | 0.98565 |
| 7 | Third party consultancy for concreting works | M. S. Randive | Alandi Municipal Council, Alandi, Pune | 0.67408 |
| 8 | Third party consultancy for concreting works | M. S. Randive | Jejuri Municipal Council, Junner, Dist- Pune | 5.81255 |
| 9 | Third party inspection of Gotandi water supply scheme tal- Indapur | P. A. Sadgir | EE, RWSD, ZP. Pune | 1.48 |
| 10 | Proof checking of RCC design & drawing of Shirdi & Kopargaon | N. A. Hedao | M D Infra, Lonawala | 2.006 |
| 11 | Proof checking of RCC design & drawing of WTP at Jambhul | N. A. Hedao | R. K. Madhani & Co. Mumbai | 3.54 |
| 12 | Proof checking of RCC design & drawing of WTP at Narayangaon | N. A. Hedao | S. R. Constructions, Ahmednagar | 0.7971 |
| 13 | Third party audit of roads & drainage | M. S. Randive | Indapur Municipal Council, Indapur, Pune | 0.14355 |
| 14 | Third party audit of road at Darga Masjid chowk | M. S. Randive | Indapur Municipal Council, Indapur, Pune | 0.18801 |
| 15 | Third party audit of Water Storage scheme | M. S. Randive | Bhor Municipal Council, Bhor, Pune | 12.00945 |
| 16 | Testing of sample of ply ironite ceramic cementitious mortar | I. P. Sonar | Dimple chemical & services, pvt. Ltd, Pune | 0.6588 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|---|-----------------------|
| 17 | vetting of RCC design and drawing of construction KV substation at Nashik | I. P. Sonar | Mense Electricals pvt. Ltd. Aurangabad | 0.708 |
| 18 | Design and testing report at Aluminium seam clamp for Rajahmundry airport | I. P. Sonar | Aditya profiles Pvt. Ltd, Pune | 0.1534 |
| 19 | proof checking of RCC design and drawing STP at Kamptee and Amla | N. A. Hedao | Chronicle Enterprises, Nagpur | 0.649 |
| 20 | proof checking of RCC design and drawing of ESR for MIDC Chinchwad | N. A. Hedao | M/S S. V. Biradar, KSB Chauk, Chinchwad | 0.472 |
| 21 | TPA of underground Sewerage system & gutterline | M. S. Randive | Indapur Municipal Council, Indapur | 0.15046 |
| 22 | TPA of Social Sabhagrah | M. S. Randive | Indapur Municipal Council, Indapur | 0.06601 |
| 23 | TPA of road and gutter from Tahasildar house | M. S. Randive | Indapur Municipal Council, Indapur | 0.45541 |
| 24 | TPA of Bhau Kumbhar Kusti coaching centre | M. S. Randive | Khopoli Nagarparishad, Khopoli | 0.413 |
| 25 | TPA of road at Veena nagar | M. S. Randive | Khopoli Nagarparishad, Khopoli | 0.36511 |
| 26 | TPA of large drainage line at PMC area | M. S. Randive | Pune Municipal Corporation, Pune | 0.17066 |
| 27 | Vetting of ese 30k | B. G. Birajdar | Surajkumar Shivaji Machale | 0.21186 |
| 28 | vetting of NWWA KENDRA AT NOFRA | B. G. Birajdar | M/S INNOFITT | 2 |
| 29 | RCC design and drawing of ESR at Chandoli tal- khed Pune | N. A. Hedao | Rajendra Vasntrao Mule | 0.59 |
| 30 | RCC design and drawing of ESR at ZP Jalgaon & MJP Nanded | N. A. Hedao | Pravin Jadhav Nashik | 0.295 |
| 31 | TPA of WSS at Dhule | K. A. Patil | Z. P. Dhule | 7.992 |
| 32 | Proof checking of Bridge mast at Bhigvan- Solapur Road | V. B. Dawari | RVNL, Pune | 0.59 |
| 33 | Third party audit of shopping centre Otur Ves road, etc | V. B. Dawari | Junner Municipal Council, Junner | 3.5 |
| 34 | Inspection of Gramsachivalaya | I.P. Sonar | Co Vadgaon Nagarpanchay | 0.25 |
| 35 | Vetting of Hydraulic & Structural Design and Drawing of Water Treatment Plant at Sarola Bhor | I.P. Sonar | Disha Associates, Kothrud, Pune | 0.25 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|---|-----------------------|
| 36 | Stability report on old GSR approx at Lonikand | S. M. Nawghare | Grampanchyat Lonikand, Tal- Haveli Dist- Pune | 0.118 |
| 37 | Inspection compound wall | M. U. Khobragade | Khopoli Nagarparishad, Khopali | 0.43432 |
| 38 | Inspection of renovation of Amardham | M. U. Khobragade | Sangamner Nagar Parishad, Dist- A'Nagar | 0.74572 |
| 39 | Inspection of fixing of paver block | M. U. Khobragade | Sangamner Nagar Parishad, Dist- A'Nagar | 0.5554 |
| 40 | Inspection of Trimix concrete road | M. U. Khobragade | Sangamner Nagar Parishad, Dist- A'Nagar | 0.41742 |
| 41 | Biomining of Solid Waste | M. U. Khobragade | Shahada Nagar parishad, Dist- Nandurbar | 1.56756 |
| 42 | Biomining of Solid Waste | M. U. Khobragade | Yeola Nagar Parishad, Nashik | 1.10618 |
| 43 | Biomining of Solid Waste | M. U. Khobragade | Wai Nagar Parishad, Dit- Satara | 0.67524 |
| 44 | Biomining of Solid Waste | M. U. Khobragade | Jamner Nagar Parishad, Dist- Jalgaon | 0.62067 |
| 45 | Biomining of Solid Waste | M. U. Khobragade | Bhusaval Nagar Parishad, Dist- Jalgaon | 3.47288 |
| 46 | Third party audit of RCC Wall design | R. S. Dalvi, G. S. Vyas | Lonawala Municipal Council, Lonawala | 0.41129 |
| 47 | Third party audit of civil works | R. S. Dalvi, G. S. Vyas | Baramati Municipal coucil | 1.5576 |
| 48 | Third party audit of civil works | R. S. Dalvi, G. S. Vyas | Sagar Deshmukh, Baramati | 0.31586 |
| 49 | Third party audit of Samajmandir, Bhuyar Marg etc | R. S. Dalvi, G. S. Vyas | Shirur Nagarparishad Ghodnadi | 0.8739 |
| 50 | Third party audit of roads | R. S. Dalvi, G. S. Vyas | Shirur Nagarparishad Ghodnadi | 1.537 |
| 51 | Third party audit of Water supply plant | R. S. Dalvi, G. S. Vyas | Wai Nagar Parishad, Dist- Satara | 1.43392 |
| 52 | Third party audit of Water supply plant | R. S. Dalvi, G. S. Vyas | Madha Nagarpanchyat, Satara | 0.77339 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|---|-----------------------|
| 53 | Evaluation of biomining legacy waste | R. S. Dalvi, G. S. Vyas | Talegaon Dabhade Municipal Council | 2.07605 |
| 54 | Vetting of Geotechnical investigation | R. S. Dalvi | Shobha Geotek Services, Kolowada, Mumbai | 0.354 |
| 55 | Vetting of Geotechnical investigation | R. S. Dalvi | Anuraj Sugers Ltd., Lonikalbhor, | 0.944 |
| 56 | RCC design and drawing of railway station building | V. B. Dawari | Rail Vikas Nigam Ltd. Pune | 0.944 |
| 57 | Third party inspection water supply scheme Maval and Purandar | K. A. Patil | RWSWD, Z. P. Pune | 4.41428 |
| 58 | Third party inspection water supply scheme Ambegoan and Junnar | K. A. Patil | RWSWD, Z. P. Pune | 9.46064 |
| 59 | Third party inspection water supply scheme Bhor Taluika | K. A. Patil | RWSWD, Z. P. Pune | 9.6421 |
| 60 | Third party inspection water supply scheme Pune district | K. A. Patil | RWSWD, Z. P. Pune | 5.55604 |
| 61 | Third party inspection of various schemes of Satara | N. M. Mohite | RWSWD, Z. P. Satara | 3.04331 |
| 62 | Third party inspection of various schemes of Satara | N. M. Mohite | RWSWD, Z. P. Satara | 0.9711 |
| 63 | Proof checking of RCC design and drawing of WTP at AUSA, Palam, and MBR at Nalewadi, Sump at Solapur | N. A. Hedao | S. P. Consultant, Malegaon, Nashik | 0.59 |
| 64 | Proof checking of RCC design and drawing of Headwork and WTP Akola | N. A. Hedao | S. P. Consultant, Malegaon, Nashik | 0.708 |
| 65 | Proof checking of RCC design and drawing at Jintur Parbhani and Baramti Pune | N. A. Hedao | A I consultancy Shirdi | 0.51035 |
| 66 | Proof checking of RCC design and drawing at Mundhava pune | N. A. Hedao | S. B. Fatate, Pune | 0.354 |
| 67 | Proof checking of RCC design and drawing of GREF building at Dighi Camp Pune | N. A. Hedao | Parth Infra Pvt. Ltd. Porbandar | 2.36 |
| 68 | Proof checking of RCC design and drawing of Saswad Nagarparishad | N. A. Hedao | NCC & JETPL JV Mumbai | 1.18 |
| 69 | Proof checking of RCC design and drawing of jackwall at Wada, Tal-Khed Dist- Pune | N. A. Hedao | Akanksha Enterprises, Sidhhegavan, Post- Bahul, Tal- Khed, Dist- Pune | 0.59 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|-------------------------------------|--|-----------------------|
| 70 | Construction of roads at Muslim vasti | M. U. Khobragade, S. M. Nawghare | Akole Nagar Parishad, Akole | 0.19044 |
| 71 | Construction of paver bolck at indgad ground | M. U. Khobragade, S. M. Nawghare | Akole Nagar Parishad, Akole | 0.11751 |
| 72 | Construction of underground drainage pipeline paver blocks etc | M. U. Khobragade, S. M. Nawghare | Shirdi Nagar Panchayat, Shirdi | 1.42093 |
| 73 | Construction of compound wall renovation of garden etc | M. U. Khobragade, S. M. Nawghare | Shirdi Nagar Panchayat, Shirdi | 2.56271 |
| 74 | Construction of library building and other civil works | M. U. Khobragade, S. M. Nawghare | Shirdi Nagar Panchayat, Shirdi | 5.16367 |
| 75 | Construction of bituminious and concrete roads | M. U. Khobragade, S. M. Nawghare | Shri Saibaba Sansthan, Shirdi | 8.21963 |
| 76 | Construction of road at MMRDA | M. U. Khobragade, S. M. Nawghare | Khopoli Nagarparishad, Khopali | 0.51417 |
| 77 | Construction of roads at Water supply tank | M. U. Khobragade, S. M. Nawghare | Khopoli Nagarparishad, Khopali | 0.32531 |
| 78 | Construction of roads at prabhag 8 | M. U. Khobragade, S. M. Nawghare | Khopoli Nagarparishad, Khopali | 0.58719 |
| 79 | Construction of bitumen road in prabhag 7 | M. U. Khobragade, S. M. Nawghare | Khopoli Nagarparishad, Khopali | 0.6919 |
| 80 | The scientific dumpsite land reclamation through bio-mining resource recovery and scientific rejects disposal | M. U. Khobragade | Mhaswad Nagar Parishad, Satara | 0.38796 |
| 81 | Third party consultancy for laying of drainage | M. S. Randive | Pune Municipal Corporation, | 0.56557 |
| 82 | Third party consultancy for laying near Jambhulwadi lake | M. S. Randive | Pune Municipal Corporation, | 1.09675 |
| 83 | Third party inspection of Andeshe Mulshi | P. A. Sadgir | Z. P. Pune | 0.255 |
| 84 | Inspection of quality contro and management audit of ongoing RCC construction of WTP & allied works at Satana | N. A. Hedao | Directorate of Municipal Administrative, Worli, Mumbai | 7.08 |
| 85 | Inspection of quality control and management audit of ongoing RCC construction of STP & allied works at Sheaon | N. A. Hedao | Commoissioner & Director, Directorate of Municipal Administrative, Worli, Mumbai | 7.42846 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|-------------------------------------|--|-----------------------|
| 86 | Scrutiny and checking of documents in connection with the automation | M. U. Khobragade | Parbhani Corporation Parbhani City | 1.18 |
| 87 | Third party audit of footpath and gutter | I. P. Sonar | Vadgaon Nagarpanchayat, Vadgaon Malval | 0.725 |
| 88 | Proof checking of RCC design and drawing of Ayush Hospital at Nandurbar | I. P. Sonar | Pravin Pagar Architects, Laxmi Narayan Aprt. Gangapur road, Nashik | 2.43 |
| 89 | Structural proof checking of design and drawing of ESR at Narayangaon Pune | N. A. Hedao | S. R. Constructions, Ahmednagar | 0.2891 |
| 90 | Inspection of quality control and management audit of ongoing RCC construction of STPs & allied works at Biwandi | N. A. Hedao | Commissioner & Director, Directorate of Municipal Administrative, Gov Transport Mumbai | 6.95915 |
| 91 | Inspection of quality control and management audit of ongoing RCC construction of STPs & allied works at Kolhapur | N. A. Hedao | Rural water supply Sub div Z. P. Kolhapur | 7.52155 |
| 92 | Structural audit of old RCC ESR | N. A. Hedao | Grampanchayat Ambadwel Tal- Mulshi | 0.177 |
| 93 | Certification of incinerator for the treatment of bio-medical waste | M. U. Khobragade | M. S. Green Planet solution, Bhosari | 0.118 |
| 94 | scrutiny and checking of documents automation of Nilanga WT | M. U. Khobragde | MJP, Latur | 1.18 |
| 95 | Certification on incinerator for the treatment of biomedical waste | M. U. Khobragde | Green Planet Solutions Bhosari | 0.118 |
| 96 | Proof checking of design and drawing for Bridge of Solapur Div | V. B. Dawari | RVNL, Pune | 0.59 |
| 97 | Proof checking of design and drawing for Bridge of Solapur Div | V. B. Dawari | RVNL, Pune | 0.885 |
| 98 | Construction of trimix concrete, bitumious road and drainage | M. U. Khobragade, S. M. Nawghare | Sangamner Nagar Parishad, Dist- A'Nagar | 1.11505 |
| 99 | Construction of trimix concrete, bitumious road and drainage | M. U. Khobragade, S. M. Nawghare | Phaltan Municipal Council, Dist- Satara | 0.33507 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|---|-----------------------|
| 100 | Proof checking of RCC ESR at Theur, Pune | N. A. Hedao | Santosh Bodhe, Koregaon, Tal-Haveli, Pune | 0.118 |
| 101 | Proof checking of RCC ESR and WTP at Bhoze, Pune | N. A. Hedao | Shree Ganesh Enterprises, Pune | 0.472 |
| 102 | Proof checking of structure design and drawing of water tank resting on ground | R. R. Joshi | J. M. Enviro Technologies Pvt. Ltd. Navi Mumbai | 0.118 |
| 103 | Structure audit of two building P+3 | B. G. Birajdar | Amoli Housing Society Kothrud, Pune | 0.64074 |
| 104 | Third party inspection of various works under Satara Z. P | N. M. Mohite | Z. P. Satara RWSD | 1.4339 |
| 105 | Proof checking of Running rooms at JNPT and Khabro | B. G. Birajdar | M/S Magdha A. Muranjan CBD Navi Mumbai | 1.79762 |
| 106 | Vetting of RUB on DD-SUR section Solapur Division | B. G. Birajdar | M/s Chaitanya Construction Navi Mumabi | 0.413 |
| 107 | Proof checking of structural design and drawing for bridge Solapur Div | V. B. Dawari | RVNL, Pune | 1.18 |
| 108 | Proof checking of structural design and drawing for bridge Solapur Div | V. B. Dawari | RVNL, Pune | 0.59 |
| 109 | Proof checking of structural design and drawing for bridge Solapur Div | V. B. Dawari | RVNL, Pune | 1.77 |
| 110 | Inspection of quality constrol and Management audit of ongoing RCC WTP | N. A. Hedao | Nagar Panchayat Wadwani, Dist-Beed | 6.549 |
| 111 | Inspection of quality constrol and Management audit of ongoing RCC STP | N. A. Hedao | Bhiwandi Nijampur Corporation | 9.1556 |
| 112 | Inspection of land filling material obtained from bio-mining of solid waste | M. U. Khobragade | Sangamner Nagar Parishad, Dist- A'Nagar | 0.23721 |
| 113 | Inspection of underground drainage pipeline | M. U. Khobragade | Ahmadnagar Corporation | 3.97758 |
| 114 | Inspection of automation of chlorination unit of WTP at Phaltan | M. U. Khobragade | Phaltan Municipal Council, Dist- Satara | 0.27735 |
| 115 | Inspection of water supply scheme | M. U. Khobragade | Ahmadnagar Corporation | 2.07405 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|-----------------------------|---|-----------------------|
| 116 | Inspection work of pipe line type of box pushing | G. S. Vyas, R. S. Dalvi | Baramati Municipal coucil | 0.82217 |
| 117 | Inspection work of garden development | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 0.43199 |
| 118 | Third party evaluation of water distribution system | G. S. Vyas, R. S. Dalvi | Shirur Nagarparishad Ghodnadi | 0.92052 |
| 119 | Third party evaluation of water distribution pipeline | G. S. Vyas, R. S. Dalvi | Jejuri Municipal Council, Jejuri | 0.44529 |
| 120 | Third party audit of Baramati urban WSS | G. S. Vyas, R. S. Dalvi | Baramati Municipal coucil | 5.82032 |
| 121 | Water supply scheme under SuvaranJayanti Nagarothan | G. S. Vyas, R. S. Dalvi | Daund Municipal Council, Daund, Pune | 9.52236 |
| 122 | Underground RCC drainage work. | M. U. Khobragade | Karad Nagar parishad | 7.08 |
| 123 | Proof checking of shed of soul waste management | I. P. Sonar | Sujit Naikwadi Structural consultant, Pune | 0.1534 |
| 124 | RCC column for integrated terminal building | V. B. Dawari | ITD Cementation India Ltd. Ville Parle, E. Mumbai | 2.95 |
| 125 | Inspection of water suppy scheme | M. U. Khobragade | Ahmadnagar Corporation | 4.22616 |
| 126 | Inspection of water suppy scheme | M. U. Khobragade | Ahmadnagar Corporation | 2.32017 |
| 127 | Third party audit of structural work | I. P. Sonar | Khopoli Nagarparishad, Khopali Dist- Raigad | 0.2863 |
| 128 | Proof checking of RCC desing and drawing of water tank at Khorochi | V. B. Dawari | Panchyat Samiti Indapur | 0.1416 |
| 129 | Proof checking of RCC desing and drawing for Well at Khorochi | V. B. Dawari | Panchyat Samiti Indapur | 0.118 |
| 130 | Concurrrece report for justification of fiber work PCMC smart city | V. B. Dawari, G. S. Vyas | Larsen & Toubro Limited, Chennai | 5.9 |
| 131 | Storm water drainage work form varad art and printing to natural data | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 0.53096 |
| 132 | Proof checking of related construction of light ROB | R. S. Dalvi | Hemkund construction, Nagpur | 0.354 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|-------------------------------------|--|-----------------------|
| 133 | Pipeline work inspection | R. S. Dalvi, G. S. Vyas | Indapur Municipal Council, Indapur | 0.54149 |
| 134 | Construction of new inlet chamber at Bhokarpada | M. U. Khobragade | Navi Mumbai Corporation | 7.58561 |
| 135 | Change of MS bridge of clarifaculator | M. U. Khobragade, S. M. Nawghare | Navi Mumbai Corporation | 5.61033 |
| 136 | Third party audit of flyover at central bus stand malegaon | M. S. Randive | M/s Commissioner Malegaon Municipal Corporaton | 0.9735 |
| 137 | Third party audit of raod construction 06 works | M. S. Randive | Bhor Municipal Council, Bhor, Pune | 0.75796 |
| 138 | Sturctural audit of old flatted building at Satpur | I. P. Sonar | Executive Engineer, MIDC Nashiik | 5.3368 |
| 139 | Vetting of RCC design and drawing water tank | I. P. Sonar | Sadguru Construction Lohagaon, Pune | 0.354 |
| 140 | Vetting of structure audit report of buliding | I. P. Sonar | KBP Civil Engineering Pune | 0.2006 |
| 141 | Proof checking of structural design of Major bridge DD-MMR doubling | R. R. Joshi | M/s Shelke Construction Pune | 0.885 |
| 142 | Proof checking of structural design of Major bridge Pune-Miraj doubling | R. R. Joshi | T & T Noble Sonai JV Sangali | 0.295 |
| 143 | Proof Checking of Box Seetion | B.G. Birajdar | EE Nandur Madhmeshwar project Nashik | 0.75 |
| 144 | Proof Checking of Design of Br 321 Pune Miraj Doubling Project | R.R. Joshi | Shire Satya Saibaba Construction Latur | 1.2 |
| 145 | Third Party Evaluation of Works in Shirur | G.S. Vyas, R.S. Dalvi | Shirur Nagarparishad Ghodnadi | 1.97258 |
| 146 | Inspection Of Various Schemes Parner Talukas | N.M. Mohite | EE Z.P. Ahmadnager | 0.74925 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|--|-----------------------|
| 147 | Inspection of reclamaton and biomining work | I. P. Sonar | Global Waste Mangement Cell Pvt Ltd Mumbai | 4.2362 |
| 148 | Third party audit of water tank at Pashan | I. P. Sonar | Shirur Nagarparishad Ghodnadi | 0.67203 |
| 149 | Third party inspection of various schemes Koregoan | N. M. Mohite | E. E. Z. P. Satara | 2.04714 |
| 150 | Third party inspection of various scheme of Mouje Taradaf Tal-Phaltan | N. M. Mohite | E. E. Z. P. Satara | 0.33627 |
| 151 | Proof checking ofRCC WTP at Salumbre Tal- Maval Pune | N. A. Hedao | Samrudhi Enterprises Rajgurunagar | 0.295 |
| 152 | Inspection of quality control and management audit of ongoing RCC Construction of STP and allied workds | N. A. Hedao | Talegaon Dabhade Municipal Council, Pune | 7.91308 |
| 153 | Proof checking of Salsa and Nira railway sation | B. G. Birajdar | M/s Y. V. Mane | 0.828 |
| 154 | Design of K. T. weir at Malthan Karjat | B. G. Birajdar | Department of Soil and Water Constructin, Ahmednagar | 2 |
| 155 | Third party evaluaton of proposed road works at Khalcha Mala Tathewadi | G. S. Vyas, R. S. Dalvi | Saswad Municipal Council, Saswad, Pune | 0.2638 |
| 156 | Third party evaluaton of proposed road works at Tahashil Kacheri | G. S. Vyas, R. S. Dalvi | Saswad Municipal Council | 0.37151 |
| 157 | Third party evaluaton of proposed road works at Veer Road to Tathewadi | G. S. Vyas, R. S. Dalvi | Saswad Municipal Council, Saswad, Pune | 0.60745 |
| 158 | proof checking of rcc connecting brige nagar | B. G. Birajdar | Shonat Enginnering | 0.28 |
| 159 | Structural audit of B+G+13 floor at Mehta Mahal building | B. G. Birajdar | Co-owner of Mehta Mahal Building Mumbai | 4.13 |
| 160 | Third party evaluation GIS tree mapping | G. S. Vyas, R. S. Dalvi | Jejuri Municipal Council, Jejuri | 0.50906 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|--|-----------------------|
| 161 | Structural audit of water tank at IMD Pune | B. G. Birajdar | EE, CPWD, Pune | 0.5 |
| 162 | Proof checking of launching girder 4 lanying of Gujrat Maharashtra Border Amravati | B. G. Birajdar | M/s Yatin Doshi, RD Civil solution, Ayush Procon Pvt. Ltd. Waghur River Bankd Bhusaval | 0.595 |
| 163 | Third party evaluation of biomining of old dump solid waste | G. S. Vyas, R. S. Dalvi | Jejuri Municipal | 0.26806 |
| 164 | Third party evaluation of underground gutter work | G. S. Vyas, R. S. Dalvi | Daund Municipal Council, Daund, Pune | 1.01534 |
| 165 | Structural design of lift Cme building & Sahyadri guest house VAMNICOM Pune | B. G. Birajdar | EE, CPWD, Pune | 0.5 |
| 166 | UIDSSMT scheme under works | G. S. Vyas, R. S. Dalvi | Shrigonda Municipal council, Shrigonda, Dist- Ahmednagar | 4.5363 |
| 167 | Proof checking of rcc building | B. G. Birajdar | Yashodhan Building Tenant & Association | 2.5 |
| 168 | Proof checking of rcc building a duand | N. A. Hedao | Daund Municipal Council, Daund | 1.5 |
| 169 | Stability checking of Abhishek internation | N. A. Hedao | Vice chairman, Abhishek Internation school, Moshi, | 1.475 |
| 170 | Third Party Evaluation of Roads of Ganesh Jagtap Vastii Tarate Mala Rasta | G.S. Vyas, R.S. Dalvi | Saswad Municipal Council, Saswad, Pune | 0.17462 |
| 171 | Third Party Evaluation of Road of Ashoknager to Indiranager | G.S. Vyas, R.S. Dalvi | Saswad Municipal Council, Saswad, Pune | 0.26131 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|---|-----------------------|
| 172 | Inspection of quality control and management audit of RCC construction of STPs and its allied works | N. A. Hedao | Biwandi Nijampur City municipal Corporation | 7.46606 |
| 173 | Proof checking of RCC MBR at Ulw CIDCO | N. A. Hedao | Abhay consultant pvt ltd., Pune | 0.295 |
| 174 | Proof checking of RCC office building at Jambhul WTP MIDC | N. A. Hedao | Pushpgiri Constructions, Ulhasnagar | 0.472 |
| 175 | Proof checking of RCC at Gondavale Tal- Man Dist Satara | N. A. Hedao | Suparna Infrastructure Pvt. Ltd, Pune | 0.177 |
| 176 | Structural audit T G Sonawane water tank old WSS | I. P. Sonar | Satana Nagar Parishad | 0.5 |
| 177 | Proof checking of structural design and drawing of Tourist Centre Purnagar PCMC | I. P. Sonar | Athrav Construction group, B. K. Khose Pune | 1.534 |
| 178 | Third party audit of water tank | I. P. Sonar | Grampanchayat Kirkitwadi | 0.53872 |
| 179 | General inspection of building and verification of documents NDT test | I. P. Sonar | Kendriya Vidyalaya BEG Pune | 0.413 |
| 180 | Third party inspection of RCC pipe gutter | I. P. Sonar | Vadgaon Nagarpanchayat, Vadgaon Malval | 0.25 |
| 181 | Concurrerece report for justification of fiber work PCMC smart city | V. B. Dawari, G. S. Vyas | Larsen and Toubro limited PCMC smart city Pune | 5.9 |
| 182 | Failure analysis of water tank Ins Shivaji | B. G. Birajdar | GE,MES, INS Shivaji Lonawala (Garrison Engineering) | 1.3275 |
| 183 | Vetting of RCC sump and pumphouse at Shirur Pune | N. A. Hedao | Suparna Infrastructure Pvt. Ltd, Pune | 0.118 |
| 184 | Strual Audit of Building | B.G. Birajdar | GM ordinance factory dehuroad | 28.068 |
| 185 | Strual Design of Padestrain Bridge at Alandi Pune | B.G. Birajdar | T&T Infra Pvt Ltd, Pune | 1 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|-------------------------------|--|-----------------------|
| 186 | Vetting of technical data sheet, process flow diagram and layout of work at PCMC | P. A. Sadgir | Nynex imports, KIKA street Gualvadi Mumbai | 1.42959 |
| 187 | Structural audit of flatted building in MIDC Aurangabad | I. P. Sonar | MIDC Civil Division Aurangabad | 5.0806 |
| 188 | Proof checking of RCC retaining wall at Kondhawa Pune | N. A. Hedao | SV and Associates Pune | 1.18 |
| 189 | Proof checking of RCC WTP at Ambemath Thane | N. A. Hedao | M/s Padmavati and KAP JV, Thane | 0.236 |
| 190 | Third party inspection of flyover construction about civil and electrical works | M. S. Randive, S. S. Dambhare | Malegaon Municipal Corporation | 1.416 |
| 191 | Structural audit of water tank | H. K. Munot | Grampanchayat at Boriparhi, Tal- Daund | 0.236 |
| 191 | Proof checking of RCC design and drawing water tank Mouje Kambre Kondiwade | H. K. Munot | Vishal construction Talegoan Dabhade | 0.177 |
| 192 | Vetting of RCC design and drawing of ESR water tank at Nane Maval | I. P. Sonar | Nitin Kamble, Vadgan Maval Pune | 0.236 |
| 193 | Renovation of water treatment plant Shirdi | M. U. Khobragade | Shirdi Nagar Panchayat, Shirdi | 1.34208 |
| 194 | Augmentation of Shirdi WSS consisting of work providing installing and commissioning and testing | M. U. Khobragade | Shirdi Nagar Panchayat, Shirdi | 2.24271 |
| 195 | Third party evaluation of construction of ESR of capacity | G. S. Vyas, R. S. Dalvi | Daund Municipal Council, Daund, Pune | 0.65448 |
| 196 | TPI of Civil Worker Undertaken by Panchayat Shirur Kasar | B.G. Birajdar | Co Panchayat Shirur Kasar Beed | 13.76884 |
| 197 | Soil Testing Bearing Capacity and Stabilization Report For STP | R.S. Dalvi, K.K. Tripathi | CO Municipal Council Parli Vaijanath Bees | 1.35 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|--|-----------------------|
| 198 | Third party evaluation of Swachhatgrah repairing | G. S. Vyas, R. S. Dalvi | Saswad Municipal Council, Saswad, | 0.30656 |
| 199 | Proof checking of RCC ESR at Chinchpada Navi Mumbai | N. A. Hedao | M/s Kishan Construction Mumbai | 1.77 |
| 200 | Proof checking of RCC ESR at Bhugaon Pune | N. A. Hedao | S. K. Enterprises, Shivajinagar, Pune | 0.354 |
| 201 | Third party consultancy for various works of roads under PMC | M. S. Randive | M/s Devakar Enterprises, Pune | 2.27649 |
| 202 | Inspecton of development of green spaces at Various loaction | M. U. Khobragade | Shirdi Nagar Panchayat, Shirdi | 1.3244 |
| 203 | Inspection of water suppy scheme | M. U. Khobragde | Shirdi Nagar Panchayat, Shirdi | 29.24105 |
| 204 | Technical adviser Divisional board building Nashik | B. G. Birajdar | Secretary, SSC state Board Pune | 25.83 |
| 205 | Proof checking of RCC STP at MIDC Dombiwali & Ulhasnagar | N. A. Hedao | Jal Ecotech India Pvt Ltd Ambade Nashik | 0.295 |
| 206 | Inspection of quality control and management audit of ongoing RCC construction of WSS and allied works at Marunji | N. A. Hedao | EE, RWSD, ZP. Pune | 3.5 |
| 207 | Structural safety audit of School building | V. B. Dawari | Kendriya Vidyalaya BRD Vayusena, Pune | 0.59 |
| 208 | Structrual audit of old suits constructed by PWD near Jijamta udyan | V. B. Dawari | Junner Municipal Council, Junner, Dist- Pune | 0.531 |
| 209 | Proof checking of RCC design and drawing of propoed construction of residentail complex under PMAY scheme | V. B. Dawari | Junner Municipal Council, Junner, Dist- Pune | 1.7936 |
| 210 | Third party audit of constructin of Pathway with coloured paving blocks for Muslim Kabrastan Rajgurunagar | V. B. Dawari | M/s Amit Gawade, Yashganga Residency, Wadgaon Bk, Pune | 0.15104 |
| 211 | structrual audit of old building Prov of OTM accomodation for Certain ref | I. P. Sonar | Garrison Engineers MES, Deolali | 3.72 |
| 212 | structrual audit of ESR at Ambad Industrial area | I. P. Sonar | EE, MIDC, Nashik | 1.18 |
| 213 | Inspection of biomining process of old dumped solid waste | M. U. Khobragade | Parali Vaijanath Municipal council Dist- Beed | 2.4544 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|--|-----------------------|
| 214 | Proof checking of foundation of FOB at 5 locations | B. G. Birajdar | Sr. DGM, RVNL, Pune | 0.413 |
| 215 | Proof checking of launching scheme and beam lift arrangement | B. G. Birajdar | Sr. DGM, RVNL, Pune | 0.9912 |
| 216 | Third party consultancy for various works of roads under PMC | M. S. Randive | M/s R. T. Date/ M/s Nikhil Construction Pune | 1.36688 |
| 217 | Proof checking of RCC design of MLD STP at Pimpalgaon Khamb Nashik | R. R. Joshi | Anand Construwell Pvt. Ltd. Panchwati, Nashik | 3.599 |
| 218 | Checking of design calculation of pipeline for railway crossing | S. K. Goudar | Larsen & Turbo Ltd. Pune | 0.27421 |
| 219 | Third party audit of hall at shiddhshwar temple | M. S. Randive | Indapur Muninipal Council, Indapur | 0.0625 |
| 220 | Proof checking of RCC design of BR No 483 | R. R. Joshi | T & T Noble Sonai JV Sangali | 0.118 |
| 221 | Inspection of existing bridge at Pal paht Phulambari Khultabad section | I. P. Sonar | SCIW Ganagamati JV Aurangabad | 0.295 |
| 222 | Flexural test on wall panels and providing detailed report of testing | I. P. Sonar | Mr. Himanshu Popli CRM Department, Pune | 0.1398 |
| 223 | Proof checking of RCC ESR | N. A. Hedao | Shri Chandan Harpale, Shewalwadi | 0.118 |
| 224 | Proof checking of RCC ESR at Paithan Dist- Arungabad | N. A. Hedao | S. P. Consultant, Malegaon | 0.295 |
| 225 | Inspection of quality control and management audit of RCC construction of WSS and allied works at Bor | N. A. Hedao | Ex. Engineer, RWSSD, Z. P. Pune | 5.9711 |
| 226 | Inspection of quality control and management audit of RCC construction of WSS and allied works at Hinganiberdi Daund | N. A. Hedao | Ex. Engineer, RWSSD, Z. P. Pune | 0.33913 |
| 227 | Proof checking of RCC at Tarde Pune | N. A. Hedao | Shri Santosh B. Bodhe, Pune | 0.177 |
| 228 | Proof checking of RCC ESR at Satpati Phalgahr, Georai and Partur | N. A. Hedao | S. P. Consultant, Malegaon, Nashik | 0.944 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|---|-----------------------|
| 229 | Inspection of quality control and management audit of RCC construction of WSS and allied works at Satana Tal- Baglan | N. A. Hedao | The Commissioner DMA, Worli, Mumbai | 7.17425 |
| 230 | Inspection of quality control and management audit of RCC construction of WSS and allied works at Lonavala | N. A. Hedao | The Chief officer, Lonawala Municipal Council, | 6.8144 |
| 231 | Vetting of testing of products manufactured by master builder's solution india | I. P. Sonar | Master builder solutions India Mumbai | 2.7625 |
| 232 | Third party inspecton of Arangoan WSS Tal Shirur, Pune | P. A. Sadgir | Ex Engineer, RWSD, Z. P. Pune | 0.71 |
| 233 | Proof checking of Gabbion facing RE retaining wall | K. K. Tripathi | Mahesh Shedekar, S & T engineering solutions pvt. Ltd, Panvel | 0.6 |
| 234 | Third party inspecton at Mujavar Vasti WSS Tal Shirur, Pune | P. A. Sadgir | Ex Engineer, RWSD, Z. P. Pune | 0.35 |
| 235 | Proof checking of RCC Design of proposed water tank at Zagdewadi | H. K. Munot | Dy. Engineer, RWSSD. Indapur, Pune | 0.118 |
| 236 | Inspection of quality control and management audit of ongoing RCC WSS at Ranje and Kikvi Tal-Bhor | N. A. Hedao | Ex. Engineer, RWSSD, Z. P. Pune | 1.24728 |
| 237 | inpection of quality control and management audit of ongoing RCC construction of WTP & allied works | N. A. Hedao | Chief officer, Igatpuri Municipal Council, Dist-Nashik | 8.06437 |
| 238 | inpection of quality control and management audit of ongoing RCC construction of WTP & allied works | N. A. Hedao | The City Engineer, BNCMC, Bhiwandi | 7.81499 |
| 239 | Third party evaluation of Water filter plant at Junnar | G. S. Vyas, R. S. Dalvi | CEO, Junnar Nagarparishad, Junnar | 1.61442 |
| 240 | Third party evaluation of Samajmandir & Toilets | G. S. Vyas, R. S. Dalvi | Shirur Nagarparishad Ghodnadi | 0.42741 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|---|-----------------------|
| 241 | Third party evaluation of roads | G. S. Vyas, R. S. Dalvi | Lonawala Municipal Council | 0.59945 |
| 242 | Third party evaluation of RUB Roads & Drainage | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 8.588 |
| 243 | Third party evaluation of Solid waste management | G. S. Vyas, R. S. Dalvi | Shirur Nagarparishad Ghodnadi | 0.12184 |
| 244 | Inspection of quality control and management audit of RCC construction of WSS at Pabe | N. A. Hedao | Ex. Engineer, RWSSD, Z. P. Pune | 3.1795 |
| 245 | Structural design and drawing of CGST building at Pandharpur | B. G. Birajdar | M/s BBP Electricals Kasaba peth, Pune | 1.48394 |
| 246 | Third party construction of gutter in prabhag | M. S. Randive | Khopoli Nagarparishad, Khopali Dist- Raigad | 0.4498 |
| 247 | Jijamata garden determinining bearing capacity of soil | R. S. Dalvi | CEO, Junnar Nagarparishad, Junnar | 1.298 |
| 248 | Structure audit of shopping complex near bus stand | B. G. Birajdar | Bhor Municipal Council, Bhor, Pune | 0.826 |
| 249 | Soil investigation work for Dr Ambedkar Statue | R. S. Dalvi | Khopoli Nagarparishad, Khopali | 0.49324 |
| 250 | Third party auidt Concrete Road in brabhag no 4 | M. U. Khobragde | Akole Nagar Parishad, Akole | 0.16893 |
| 251 | Third party auidt of underground gutter prabhag 9 | M. U. Khobragde | Akole Nagar Parishad, Akole | 0.08363 |
| 252 | Third party auidt of S. T. WBM prabhag 10 | M. U. Khobragde | Akole Nagar Parishad, Akole | 0.16979 |
| 253 | Third party auidt of underground gutter prabhag 10 | M. U. Khobragde | Akole Nagar Parishad, Akole | 0.1591 |
| 254 | Proof checking of RCC design and drawing of admin building and commercial building at Daund | N. A. Hedao | Ex. Engineer, PWD South, Pune Z. P | 3.835 |
| 255 | Vetting of pipeline distrubution network for Kamare Minor Irrigation scheme | K. A. Patil | Soil & Water Conservation Division, Kalva, Dist- Thane | 3.59495 |
| Sr. | Title | Name of the | Funding | Amount |

| No. | | project leader | Agency | (Rs. in lakhs) |
|-----|---|-------------------------|--|----------------|
| 256 | Study of impact of discharge of wastewater & treatment to water at Motinala Dam Dhule | P. A. Sadgir | Ex. Engineer, MIDC, Dhule | 3.54 |
| 257 | Third party inspection of Tarade WSS Tal- Haveli Dist- Pune | P. A. Sadgir | Ex. Engineer, RWSSD, Z. P. Pune | 1.39 |
| 258 | Proof checking of RCC design & drawing of ESR at Kazad & Lakadi | N. A. Hedao | M/s Jaypal Bandgar, Tal- Indapur | 0.295 |
| 259 | Proof checking of RCC design & drawing of ESR at Baramati | N. A. Hedao | Pranjal Corporation, Hadapsar, Pune | 0.236 |
| 260 | Proof checking of RCC design & drawing of ESR of Pump House fro Tarapur MIDC | N. A. Hedao | Zad Enterprises- Vijay Infra (JV) Mumbai | 0.354 |
| 261 | Solid waste management using biomining process | M. U. Khobragde | Igatpuri Municipal council, Igatpuri | 0.70488 |
| 262 | Third party audit of concrete road | M. U. Khobragde | Akole Nagar Panchayat | 0.0914 |
| 263 | Third party evaluation of roads | R. S. Dalvi | Baramati Municipal coucil | 0.56151 |
| 264 | Third party evaluation of Scientific Dumpsite land | G. S. Vyas, R. S. Dalvi | Shirpur Varvade Nagar Parishad | 0.91775 |
| 265 | Third party evaluation of roads | G. S. Vyas, R. S. Dalvi | Baramati Municipal coucil | 0.48021 |
| 266 | Third party evaluation of roads | G. S. Vyas, R. S. Dalvi | Baramati Municipal coucil | 1.4203 |
| 267 | Third party evaluation of open gutterline | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 0.71463 |
| 268 | Third party evaluation of open gutterline | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 0.64673 |
| 269 | Third party evaluation of open gutterline | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 0.58402 |
| 270 | Third party evaluation of compound Chourai filter plant | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 0.55892 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|--|-----------------------|
| 271 | Third party evaluation of drainageline at Chourai filter plant | G. S. Vyas, R. S. Dalvi | Talegaon Dabhade Municipal Council, Pune | 0.32855 |
| 272 | Additional/revised approval for RUB Railway Manjari-Pune | B. G. Birajdar | M/s Ghai Construction Ltd, Pune | 0.413 |
| 273 | Proof checking of PEB structure at Latur | B. G. Birajdar | M/s Sai Construction Engineers, Pune | 0.905 |
| 274 | Vetting of Tensile roof structure GTDC Goa | B. G. Birajdar | M/s Spectrum Infrastructure Nashik | 0.295 |
| 275 | Soil strata inspection and survey report | S. M. Nawghare | Shri G. H. Hatturkar, Govind Milk & Milk Product Phaltan, Satara | 0.413 |
| 276 | Third party audit of water supply scheme at Gogalwadi | I. P. Sonar | Ex. Engineer, RWSD, Pune Z. P. Pune | 1.28605 |
| 277 | Third party evaluation of providing and erecting solar power pack and lights | G. S. Vyas, R. S. Dalvi | Jejuri Municipal Council, Jejuri, Pune | 0.76423 |
| 278 | Third party inspection of Munjalwadi water supply scheme | P. A. Sadgir | Ex. Engineer, RWSSD, Z. P. Pune | 0.6 |
| 279 | Proof checking of design and drawing of STP at Air Force Station AMLA, Nagpur | N. A. Hedao | M/s Chronicle Enterprises, Nagpur | 0.531 |
| 280 | Third party inspection of Sakurdi Water supply scheme | P. A. Sadgir | Ex. Engineer, RWSSD, Z. P. Pune | 0.98 |
| 281 | Third party inspection of Nhavara Water supply scheme | P. A. Sadgir | Ex. Engineer, RWSSD, Z. P. Pune | 0.67 |
| 282 | Proof checking of RCC design & drawing of flyover at Sus road on Mumbai Bangalore highway Pune | N. A. Hedao | Project Traffic Planning Division, PMC, Pune | 9.44 |
| 283 | Third Party of Evaluation of Shed of Gankachara | G.S. Vyas, R.S. Dalvi | Talegaon Dhabhade Parishad | 0.64414 |
| 284 | Third Party Evaluation of Pipeline at Daund | G.S. Vyas, R.S. Dalvi | Daund Municipal Council, Daund, Pune | 0.30676 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|---|-----------------------|
| 285 | Third party inspection of various schemes of Miraj Khanapur Shiral & Kavatemahakal | N. M. Mohite | E. E. Z. P. Sangali | 7.70275 |
| 286 | Structural audit existing building | I. P. Sonar | Vadgaon Nagarpanchayat, Vadgaon Malval | 1.41196 |
| 287 | Survey for measurement of building area | S. M. Nawghare | Shri Jaikisan Bhutada Chairman Vighneshwar Education Society International school of management & research, Wakad | 0.59 |
| 288 | Contour Survey verification | S. M. Nawghare | Ex. Engineer, Bhama Askhed water supply project Pune | 1.18 |
| 289 | Third party inspection of various schemes of Aatpadi, Valva Palus and Tasgaon Talukas | N. M. Mohite | E. E. Z. P. Sangali | 9.01625 |
| 290 | Third party inspection of various schemes of Shirur and Mulshi Talukas Pune | N. M. Mohite | E. E. Z. P. Pune | 2.81513 |
| 291 | Studying water capillary leakage issue in the basement of CDAC Pashan Pune | V. C. Hulsur | CDAC Panchvati, Pashan | 1.416 |
| 292 | Third party inspection of Smashan Bhumi | I. P. Sonar | Vadgaon Nagarpanchayat, Vadgaon Malval | 0.25 |
| 293 | Verification of audit of existing minor bridge at Palghar | I. P. Sonar | Mangesh Hindurao, Suntech engineering & consultant, Badalapur Est | 2.124 |
| 294 | Verification of structural design of watch tower | I.P. Sonar | Vipin Chandra Rai, MES, Kirkee Pune | 0.295 |
| 295 | Structural audit existing building | I. P. Sonar | Sarpanch Grampanchayat Tarade, Tal-Haveli, Dist-Pune | 0.3 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|--|-----------------------|
| 296 | vetting of structural audit of existing two hoardings | IP Sonar | Shrinivas Rao, Pressman House, Vile Parle, Mumbai | 0.2956 |
| 297 | vetting of solar modue panel supporting structure | I.P Sonar | Mr. Nitin Lale, Tecnocracy consultants, Manikbaug, Pune | 0.236 |
| 298 | vetting of RCC design and drawing of 2.5 lakhs ESR | I.P Sonar | Disha associates, Kothrud, Pune | 0.177 |
| 299 | Vetting of structural drawings for design of Elevated RCC water tank | A.R. Akhare | Deputy Engineer, Rural water supply scheme, Tal- Haveli, Dist Pune | 0.118 |
| 300 | inspection of quality control& management audit of ongoing rcc construct of wss at chandoli and thoranale tal ambegoan pune | N. A. Hedao | EE RWSW Pune | 1.71166 |
| 301 | Inspection of quality control& management audit of ongoing rcc construct of wss at Kasurdi Tal Daund, Pune | N. A. Hedao | EE RWSW Pune | 0.75954 |
| 302 | Proof Checking of Rcc Design of Proposed Water Tank at Mouje Morve Maval Pune | H. K. Munot | Vishal construction Talegoan Dabhade | 0.2 |
| 303 | RCC Design and Drawing Vetting of Construction Pmay | H. K. Munot | Manaj Infraconstruction Ltd | 1.82448 |
| 304 | Proof checking of RCC and drawings of proposed | V.B. dawari | Talegaon Dabhade Nagar Parishad, Pune | 0.845 |
| 305 | Proof checking of RCC | I. P. Sonar | Co Satara | 5.44613 |
| 306 | Third Party Inspeactions of Various Water Supply Schemes of Khatav, Satara | N.M. Mohite | Executive Engrs, Satara | 1.98 |
| 307 | Third Party of Gavaliwada School 6 Compound Wall Toilet Block | G.S. Vyas, R.S. Dalvi | Lonawala Municipal Council, Lonawala | 0.22432 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|--|-----------------------|
| 308 | Vetting and RCC Design and Drawing of Construction | I.P. Sonar | Executive Engineer, Housing and Area Development Board, Pune | 2.655 |
| 309 | Design of tank Loni railway station | B.G. Birajdar | Suparshwasagar Pvt. Ltd | 1.18 |
| 310 | Vetting of Structural Audit | I.P. Sonar | Hindurao Charter Badlapur | 0.2 |
| 311 | Structural Audit of Hoarding | I.P. Sonar | Broadway Outdoor, Pune | 0.64507 |
| 312 | Vetting of Solar Module | I.P. Sonar | Nitin Lale Tecnocracy Sinhagad Pune | 1 |
| 313 | Third Party Paving Block | I.P. Sonar | Chief Oficer Vadgaon | 0.33375 |
| 314 | Third Party Insp Pipeline | K.A. Patil | Vadgaon Naarpanchayat | 1 |
| 315 | Structural Audit | A.R. Akhare | CPWD | 1 |
| 316 | Water Tank Audit | A.R. Akhare | Granpanchayat Nawhre | 0.5 |
| 317 | Soil Investigation Work for RCC Chimney Bavdhan Pune | R.S. Dalvi K.K. Tripathi | Alpha Equipment Gidc Makarpura Vadodara Gujrat | 0.5 |
| 318 | Third Party Evaluation | G. S. Vyas | Baramati Municipal Coucil | 1.5 |
| 319 | Inspection of Bandhara @Jambul and Malad Pt Daund Pune | B.G. Birajdar | District Conservation Officer Z.P. Pune | 1.5 |
| 320 | Inspection of Rcc Pipe | I.P. Sonar | Co Vadgaon Nagarpanchay | 0.5 |
| 321 | Proof Checking of Rcc Design Chikhali Pune | I.P. Sonar | S&J Buildcon Pvt Ltd Pune | 2 |
| 322 | Inspection Of Varios Water Supply Line | M.U. Khobragade | Co Shahada Nagar Parishad | 0.5625 |
| 323 | Inspection Of Prparation of Garden and Playground In Front Of Parija Park Bhuilding In Prabhag No13 Khopoli | M.U. Khobragade | Co Khopoli Nagarparishad | 0.52797 |
| 324 | Certificaction of Esteemed Cost of Infrastructure | P. P. Rawal P.A. Sadgir | Khed Economic Infrastruture Pvt Ltd.Pune | 7.67 |
| 325 | Laying of Paver Block | M.U. Khobragade | Co Shirdi Nagarpanchayat | 0.70875 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|--|-----------------------|
| 326 | Proof Checking of Abutements | V.B. Dawari | Pratap Patil & Associates Sangali | 0.8 |
| 327 | Proof Checking by Wet Well Narsingpur | B.G. Birajdar | Sadanand Joshi, Pune | 0.4 |
| 328 | Structural Audit of Building Sudan Block | B.G. Birajdar | National Defence Academy Pune | 6.93300 |
| 329 | Proof Checking of gantry Girder for EOT | B.G. Birajdar | MES GE(I) Navy INS Lonawala | 0.35 |
| 330 | Proof Checking of Foundation for Water Tank Capacity 6.8 lakhs | B.G. Birajdar | Assistant divisional Engineer Lonawala | 0.3 |
| 331 | Proof Checking of Rcc Design & Drawing | V.B. dawari | M/s Shonan engineering work | 0.3 |
| 332 | Preparation of Rcc Design & Drawing of Retaining Wall at Kajuwadi Khopoli | V.B. dawari | Co Khopoli Nagarparishad | 0.6 |
| 333 | Proof Checking of Design of Connection Between ROB & G3 & G4 at Kalburgi | R.R. Joshi | AGM, RVNL, Solapur | 0.5 |
| 334 | Design of Ms Concrete Conduct 1200mm Phurus Chavanwadi Ratnagiri | B.G. Birajdar | Ms Patil Construction Ratnagiri | 1.5 |
| 335 | Water Treatment Plant New Water Tank Kalapur | M.U. Khobragade | Co Khalapur Nagarpanchayat | 0.30056 |
| 336 | Proof Checking of Rcc Box Culvert at Tarapur Palghar | N. A. Hedao | M/S R.S. Koltw Dombivili | 0.35 |
| 337 | Structural Proof Checking of RCC Esr at Vadaj Junnar | N. A. Hedao | Mangesh Totare | 0.1 |
| 338 | Third Party Inspection of Various Schemes of Sangli | N.M. Mohite | E.E..ZP Sangli | 9.909 |
| 339 | Third Party Inspection of Various Schemes of Sangli | N.M. Mohite | E.E..ZP Sangli | 8.92382 |
| 340 | Third Party Inspection of Various Schemes of Satara | N.M. Mohite | E.E..ZP Satara | 0.94935 |
| 341 | Vetting of Pipeline Distribution Network for Asnas Minor Irrigation Scheme | K.A. Patil | District Water Conservation Officer Soil & Water Conservation Kalawa Thane | 1.66016 |
| 342 | Third Party Inspection of Various Schemes of Phaltan & Khandala Taluka of Satara | N.M. Mohite | E.E..ZP Satara | 1.03575 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|--|-----------------------|
| 343 | Technical Advise to Excavation of Safety Measures At Khondhwa Site | B.G. Birajdar | M/S Mamajestique Springfields Ltd Pune | 2.5 |
| 344 | Inspection of Quality Control & Management Audit of WSS at Yadavnagar | N. A. Hedao | E.E. Airoli Navi Mumbai Corporation | 1.23 |
| 345 | Proof Checking of RCC Design & Drawing of 15 Mld at Chandel Goa | N. A. Hedao | Laxmi Civil Eng Services Pvt Ltd | 2 |
| 346 | Vetting of Technical Data Sheet, Process Flow Diagram and Layout of Work 840kld Charoli | M. S. Randive | WTE Infra, Project Pvt. Ltd. MIDC phase II, Chakan, Pune | 2.485 |
| 347 | Vetting of Technical Data Sheet, Process Flow Diagram and Layout of Work 350kld Akurdi | P.A. Sadgir | WTE Infra, Project Pvt. Ltd. MIDC phase II, Chakan, Pune | 1.246 |
| 348 | Inspection of Various Repair Work at Stp | M.U. Khobragade | CO shirdi Nagarpanchayat | 0.2242 |
| 349 | Laying of Upvahini in Bajarpeth Vibhag Vasrang Shilphata Khopoli | M.U. Khobragade | Co Khopoli Nagarparishad | 0.52 |
| 350 | Inspection Feacal Sludge Treatment Plant | M.U. Khobragade | CO Barshi Nagarparishad | 0.26672 |
| 351 | Inspection of Various Road Work Made Paver Block Concrete and Bitumen and also Inspection of Drainage Line | M.U. Khobragade | Co Kopergaon Nagar Parishad | 2.25493 |
| 352 | Proof Checking of Msbte Building at Pune | B.G. Birajdar | Secretary, MSBTE, Mumbai | 8.2687 |
| 353 | Proof Checking of Monopoles and Foundation | R. R. Joshi | Yarunara Technologies Pvt Baner | 0.5 |
| 354 | Proof Checking of Structural Design & Drawing of Pathway Bridge Bhigavan Solapur Gulbarga RE Project | V.B. dawari | Rail Vikas Nigam Ltd. Pune | 0.3 |
| 355 | Providing Laying of Water Supply Line with Water Treatment Plant | M.U. Khobragade | Co Akole Nagar Panchayat | 1.20886 |
| 356 | Construction of Prayer Room and Compound Wall at Shilphata Kabrasthan | M.U. Khobragade | Co Khopoli Nagarparishad | 0.62305 |
| 357 | Evaluation of Concret Road Between Kushana Garage to Zambare Home | G.S. Vyas | Shirur Nagarparishad Ghodnadi | 0.21266 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|------------------------------------|-----------------------|
| 358 | Evaluation of Holar Samaj Mandir at 220 Baramati Nagarparishad | R.S. Dalvi G.S Vyas | Baramati Municipal Council | 0.41314 |
| 359 | Inspection of Flyover Construction at Malegaon | M. S. Randive | Malegaon Municipal Corporation | 0.225 |
| 360 | Inspection of Construction of Gsr Andallied Works at Chichpada Navi Mumbai | N. A. Hedao | EE Airoli Navi Mumbai Corporation | 5.58 |
| 361 | Proof Checking of RCC GSR at Koparkhairng Navi Mumbai | N. A. Hedao | Abhay Consultant Pvt Ltd., Pune | 0.25 |
| 362 | Inspection of Quqlity Control & Management Audit of Rcc Construction of WSS at Alndi Devachi | N. A. Hedao | Co Alandi Municipal Corporation | 4.95 |
| 363 | Vetting of Hydraulic Designs of Raipura Group of Villages Water Supply Scheme & Relevent Work Chitrakoot U.P | P.A. Sadgir | GVPR Engineers Ltd. Hydrabad | 8 |
| 364 | Proof Checking of RCC Design of BR No 523/1 523/2&547/2 Daund Gulbarga Doubling Project | R.R. Joshi | Agm, Rvnl, Solapur | 0.75 |
| 365 | Design Vetting for the Pre-Fab Structure for AFMC Pune | R.R. Joshi | Suyog Construction Pune | 1.25 |
| 366 | Technical Inspection of Work Under MSNA at Kopoli | I.P. Sonar | Co Kopoli Nagar Parishad | 1.23 |
| 367 | Structrul Audit of Wakad Flyover | R.R. Joshi | EE MIDC IT Wakdewadi Pune | 3.3 |
| 368 | Sub Soil Exploration Using Rock Core Drilling Computation | S.S .Bhosale | Pwd Central Building Pune | 6.992 |
| 369 | Structure Design Segregation Shed at Kuradwadi | B.G. Birajdar | Co Kurdwadi Nagarparishad | 1.68095 |
| 370 | Proof Checking of Rub at LC Gate 130 Miraj Section | B.G. Birajdar | M/S Nice Pune | 0.3 |
| 371 | Structure Audit of 500m ESR at Ausa Latur | B.G. Birajdar | EE MIDC Division Latur | 1.1 |
| 372 | Inspection Of Various Schemes of Maindargi Nagarparishad Akkalkot Solapur | N.M. Mohite | Co Maindargi Nagarparishad Solapur | 1.4667 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|---|-----------------------|
| 373 | Proof Checking of Retaining Wall Balajinagar of Pune | B.G. Birajdar | Sai Siddhi Infrastructure Pune | 0.645 |
| 374 | Third Party Audit of Flexible Road Footpath Street Light Road Work at Deccan Society Poddar High School Tara Height | I.P. Sonar | Vadagaon Nagar Panchayat | 0.73956 |
| 375 | Inspection Of Quqlity Control & Management Audit of Rcc Cocompound Wall at Raiwood &Wss T Hanuman Tekdi Lonawala | N. A. Hedao | Co Lonawala Municipal Council | 3.03072 |
| 376 | Inspection Of Quqlity Control & Management Audit of RCC Construction of WTP at Varaldevi Bhiwandi Thane | N. A. Hedao | EE WSD, BNCMC Bhiwandi | 2.47 |
| 377 | Proof Checking of RCC ESR at Nerul for New Mmc | N. A. Hedao | S.P. Consultant Malegaon | 0.3 |
| 378 | Proof Checking of RCC ESR at Karla Maval Pune | N. A. Hedao | Rachana Egeineering Kolhapur | 0.95 |
| 379 | Stral Stablity Checking and Third-Party Inspection of RCC Swimming Tank at Khopoli | N. A. Hedao | City Engineer, Knp Khopoli | 1.5 |
| 380 | Vetting of Structuralaudit of Existing Hoarding of Size RBM in Railway Premises | I.P. Sonar | Marquis Advertising & Market Satara | 0.2 |
| 381 | Vetting of Structural Audit of Existing Six Hoarding of Various Sizes In Pune Railway | I.P. Sonar | Mr. Shrinivas Rao Mumbai | 0.64507 |
| 382 | Proof Checking of Steel Structure for Its 6 Lanes &3 Lanes Toll Plaza | I.P. Sonar | Prudence Infractures Pvt | 1 |
| 383 | Proof Checking of RCC Design & Drawing of Construction of Primary Health Centre at Rittad Washim | I.P. Sonar | Member Secretary & District Health Officer Washim | 0.33375 |
| 384 | Specified Parameters Stipulated in the Bid Document of Affordable Housing | S.N. Madhekar, V.B. Dawari | B.G.,Shirke Construction Tec Pvt Pune | 0.2 |
| 385 | Borehole Analysis for Foundation Design | S.A. Meshram | Waterfront Construction Pvt Pune | 0.4 |
| 386 | Structure Audit of Existing old Building of Grampanchyat at Pimpri Purandhar Pune | I.P. Sonar | Aditya Mohan Raut Pimpale Gurav Pune61 | 0.25 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|--|----------------------------|--|-----------------------|
| 387 | Proof Checking of Structure Design & Drawing of Kurdwadi Station Building & Officers Rest House at Solapur | V.B. Dawari | Rail Vikas Nigam Ltd | 1.5 |
| 388 | Safety Audit of School Building of KV ISP Nashik Road | V.B. Dawari | Kendriya Vidyalaya Isp Nashik Road | 0.75 |
| 389 | Proof checking of RCC design and drawing of STP at Talegaon Dhabhade Maval Pune | N. A. Hedao | S.P. consultant Malegaon | 1 |
| 390 | Inspection concrete road behind the premises of Dr Babasaheb Ambedkar Saatue | M.U. Khobragade | Co Kopergaon Nagar Parishad | 0.18535 |
| 391 | Inspection of bio mining process of old dumped solid waste for Kopergaon Nagar Parishad | M.U. Khobragade | Co Kopergaon Nagar Parishad | 0.91375 |
| 392 | Verification of Electrical Cable try Fixing to Rajaram Bridge Pune | B.G. Birajdar | M/S Sterling & Wilson Pvt Ltd Pune | 1 |
| 393 | Proof Checking of Stp Shed and Office Log at Matunga | B.G. Birajdar | M/S Shree Construction Pune | 0.79 |
| 394 | Structural Audit of Block 3and 5 Station Workshop Map Pune | B.G. Birajdar | Project Manager Map HQ DM Goa | 11.42498 |
| 395 | Evaluation of Playground at Gavaliwada | R.S. Dalvi G.S Vyas | Lonawala Municipal Council, Lonawala | 0.46053 |
| 396 | Technical Advisor Pune and Nashik | B.G. Birajdar | State Board MSBS&HSE | 7.98576 |
| 397 | Proof Checking of Gad Bridge at Keshavnager Mundhawa Pune | B.G. Birajdar | Lion Engineering Consultants Pvt Bhopal | 2.28974 |
| 398 | Structure Audit of Barrak Court Pune | B.G. Birajdar | EE PWD Pune | 0.3 |
| 399 | Design of Earthen Dam at Pawanel Dapodi Ratnagiri | B.G. Birajdar | District Officer Soil and Water Conservasion Ratnagiri | 2.71413 |
| 400 | Strual Design of Ms Condul Shivane Rajapur Raigad | B.G. Birajdar | EE & District conservation officer ratnagiri | 1.5 |
| 401 | Third Party Evaluation of Jalochi Gat No 156 Gareden | G.S. Vyas, R.S. Dalvi | Baramati Nagerpanchayat | 0.30284 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|---------|---|----------------------------|---|-----------------------|
| 402 | Structure Design of K.T Weir Resting on Difficult on Soil Condition at Ugawa Akola | B.G. Birajdar | District Conservation Officer Soil & Water Conservation Akola | 9.03896 |
| 403 | Laying of large diameter drainage line in prabhag no.39K Dhankawadinbus stop | M. S. Randive | EE drainge repairs & maintance pmc | 0.39728 |
| 404 | Proof checking of RCC design and drawing of constuction of proposed storage facility of global standards for NFAI | I.P. Sonar | Envirous Pune 30 | 3 |
| 405 | Laying of large diameter drainage line at new villages included in keshavnagar | M. S. Randive | EE drainge repairs & maintance PCMC | 0.64726 |
| 406 | Structure audit of shopping complex Sangamnagar Bhaskarrao Durve Com | B.G. Birajdar | Sangamnager Muncipal Council | 0.6 |
| 407 | Inspection of various schemes of Wai taluka of satara dist | N.M. Mohite | EE Engineer RWSS Satara | 0.45038 |
| 408 | Third Party of Shirala Kavatemahankal and Kadegaon Talukas of Sangli Dist | N.M. Mohite | EE ZP Satara | 4.9752 |
| 409 | Structure Audit of Building P220 Diamound Jublie AFMC Pune | B.G. Birajdar | Grasam Engineer Centre Pune | 9.0167 |
| 410 | Proof Checking of Ph Bese Slab Amrut Abhiyan Nagar Water Supply | B.G. Birajdar | Amadnager Mahanagarpalika | 0.25 |
| 411 | Proof Checking of Rataining Wall Ashanagar SB Road | B.G. Birajdar | T&T Infra Ltd | 0.3 |
| 412 | Detailed Sub Soil Exploration Using Rock Core Drilling | S.S. Bhosale | Director NCL Pune | 2.01 |
| 413 | Evaluation of Furnichar at Admin Building | G.S. Vyas, R.S. Dalvi | Co Saswad Nager Parishad | 0.65799 |
| 414 | Proof Checking of RCC Design & Drawing of ESR at Bhuinj & Nakida Satara | N.A. Hedao | Suparana Infrastructure pvt Pune | 0.1926 |
| 415 | Proof Checking of RCC Design & Drawing of Pumping Station Under USS at Karad | N.A. Hedao | Tejas Consstruction & Infracructure Pvt Ltd Pune | 0.25 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|--------------|---|----------------------------|---|-----------------------|
| 416 | Third Party Technical Audit of Development of Garden at Rao Colony in Talgaon | I.P. Sonar | CO Talegaon Nagarparlshad | 0.60757 |
| 417 | Renovation of Swagat Kaman at Limbphata | I.P. Sonar | CO Talegaon Nagarparlshad | 0.66204 |
| 418 | Third Party Consultancy for Concreting Roads in Alndi (Total 5 Works) | M.S. Ranadive | Alandi municipal corporation | 1.9881 |
| 419 | Proof Checking of Bearing ROB 37.2m of Samrudhi Marge | B.G. Birajdar | GM (Design) PNC Infra Tech Pvt | 0.6 |
| 420 | Third Party Inspection of Various Schemes of Phaltan & Khandala& Mahabaleshwar Taluka of Satara | N.M. Mohite | E.E. ZP Satara | 3.06118 |
| 421 | Proof Checking of Four Tower Cctv Poles | B.G. Birajdar | RR Jain consultant | 0.4 |
| 422 | Inspection of water supply scheme | K.A. Patil | Co Baramati Municipal Council, | 5.53203 |
| 423 | Inspection of Water Supply Scheme Nimbut Baramati | K.A. Patil | EE Rural Water Supply Division ZP | 0.60682 |
| 424 | Inspection of shivkalin Tanks of Pune District | K.A. Patil | Member Secretary District Level Jalyukt Shivar Abhiyan Pune | 2.98235 |
| 425 | Inspection of Concret Road Work from Home of Jaybhaye | I.P. Sonar | Co Alandi Municipal Corporation | 0.5421 |
| 426 | Proof Checking of Rcc Design & Drawing of Construction Quartes of Police at Baramati and Walchandnager | I.P. Sonar | Skyline Architects | 4.15 |
| 427 | Inspection of Building and Verification of Documents. Certification Regarding General Health Assessment of Building | I.P. Sonar | Principal Kendriy Vidhayalay | 0.21 |
| 428 | Proof Checking of Building Commercial Central at Vadgaon Maval | B.G. Birajdar | EE Bldg debt Zill Parishad Pune | 1.63556 |
| Total | | | | 841.8587 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|--|---|---|--|-----------------------|
| Department of Computer Engineering & Information Technology | | | | |
| 429 | Trigger Detection of Abnormalities in EMS Conveyor | Y. V. Haribhakta | Volkswagen, now SKODA Pune | 7.5 |
| Total | | | | 7.5 |
| Department of Electrical Engineering | | | | |
| 430 | Third party audit of Street light pole | S. S. Dambhare | Shirur Nagar Parishad, shirur, Tal: Shirur, Dist: Pune | 0.41087 |
| 431 | Third party audit of Street light pole | S. S. Dambhare, R. T. Ugale | Talegav Dabhade Nagar Parishad | 0.93045 |
| 432 | Third party audit of HT cabling and HV structure work | S. S. Dambhare R. T. Ugale | Talegav Dabhade Nagar Parishad | 5.29277 |
| 433 | Third party audit of CCTV instation & streetlights | R. T. Ugale, S. S. Dambhare | Shirdi Nagar Panchayat, Shirdi | 0.86758 |
| 434 | Third party technical audit of streetlight poles | S. S. Dambhare | Shirdi Nagar Panchayat Shirdi | 0.18014 |
| 435 | Third party techincal audit work of automatic timer switch panels with energy sever to street light | S. S. Dambhare | Indapur Muninipal Council, Indapur | 0.21483 |
| 436 | Third party audit of Street light pole | S. S. Dambhare, R. T. Ugale | Lonawala Municipal Council | 0.83538 |
| 437 | Third party technical audit of streetlights | S. S. Dambhare, R. T. Ugale | Lonawala Municipal Council | 0.9785 |
| 438 | third party audit of streetlight poles | S.S. Dambhare | Co Rajgurunagar Parishad | 0.98216 |
| 439 | Third party technical audit of HT cable and HV stucture work in thelmc request | S.S. Dambhare | Lonawala Municipal Council | 0.56259 |
| 440 | Design and drawing of MEP work for the Bhurhanpur wtp project in MP | S.S. Dambhare, P.N. Gawande | JMC Project Ltd. E Mumbai | 3 |
| 441 | Third party audit of CCTV instation | R. T. Ugale, S. S. Dambhare, A. G. Thosar | Grampancyat Bhugav Tal-Mulshi, Dist Pune | 0.21598 |
| 442 | Third party technical audit Transformer | R. T. Ugale, S. S. Dambhare | Grampanchayat, Man, Bhoyarwadi, Tal-Mulshi Pune | 0.4772 |
| Total | | | | 14.948 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|--|--|--|--|-----------------------|
| Department of Instrumentation and Control Engineering | | | | |
| 443 | Design and Development of UV-C Chamber for Quick Surface Sterilization of Hospital Utensils/portable equipment for Inactivation of SARS-CoV-2 and other Nosocomial Pathogens | D. N. Sonawane and B. B. Ahuja | NBE Tech | 1.5 |
| 444 | Data Acquisition System development for Unipol India | S D Agashe | Jiangyin Uni-Pol | 8.06 |
| 445 | Verification of Specification of Equipment / Systems to be procured | U M Chaskar | Department of Animal Husbandry | 0.708 |
| Total | | | | 10.268 |
| Department of Manufacturing Engineering & Industrial Management | | | | |
| 446 | Reliability Estimation of Close Loop Weapon System | M.D. Jaybhaye (PI), B. Rajiv, B.U. Sonawane B.B. Ahuja | Bharat Forge Limited, Pune | 3.00 |
| 447 | Failure Mode & Effects Analysis (FMEA) and Reliability Analysis for Mounted Gun System | M.D. J aybhaye (PI), B Rajiv B.U.Sonawane B.B. Ahuja | DRDO | 9.735 |
| Total | | | | 12.735 |
| Department of Mechanical Engineering | | | | |
| 448 | Specification for indoor and outdoor gym equipment | M. P. Khond, M. R. Nandgaonkar | commissioner, Sport & Youth Services, Balwadi, Pune | 0.059 |
| 449 | Work about design related guidine PG UG project | V. K. Haribhakta, H. P. Shinde | Pune Municipal Corporation | 0.1534 |
| 450 | Technical inspection of Incenerator machine | S. N. Sapali | Executive Engineer, Z. P. Satara | 0.354 |
| 451 | Consultancy Service for steel pipeline design for railway crossing | N. K. Chougule | Bharat gas Resources Ltd. Ahmednagar | 0.2596 |
| 452 | Consultancy work for the installation of inverter ductable AC in lezim hall | S. N. Sapali | Yashwantrao Chavan Academy of Development Administration, Ba ner, Pune | 0.59 |
| Sr. | Title | Name of the | Funding Agency | Amount |

| No. | | project leader | | (Rs. in lakhs) |
|-----|--|------------------------------------|--|----------------|
| 453 | Apporval of raw water pane water pumpinng machinary conceptual resign report | M. P. Khond, M. R. Nandgaonkar | SMS Indrastructure Pvt. Ltd. Thane | 2.065 |
| 454 | Desing calculation for casing 12" & 8" of gas pipeline | N. K. Chougule | M/s Mahesh Gas Ltd. World Trade Center, Kharadi, Pune | 0.2596 |
| 455 | Garbage Compactor | S. N. Sapali | Akash Electrical Manitenance Service Pune | 0.0944 |
| 456 | To report on the extent of damage caused by fire to equipments at Ambegaon | V. K. Haribhakt, H. P. Shinde | Joint Commisionr, Solid Waste Department, Pune Municipal Corporaton, Pune | 0.354 |
| 457 | Audit of Ghanta Gadi at Karjat | M. P. Khond | N. G. Sales, Authorised dealer Ashok Layland light vehicle | 0.23 |
| 458 | Prepraton of technical report for the additives in diesel genrators | M. R. Nandagaokar, S. V. Lahane | Mr. Harish Wani NIBM Road, Kondhwa, Pune | 0.472 |
| 459 | Trunkey project developing wireman trade | S.N. Sapali | Dy commissioner PCMC PUNE | 2.10182 |
| 460 | Third party evalution of cow lifiting machine | S.N. Sapali | District Animal Husbandry Z P ahamdagar | 0.16 |
| 461 | Checking of fabrication quality of vechicle | M.R. Nandgaonkar M. P. khond | Ayukt Pashusavardhan Aundh Pune | 0.3 |
| 462 | Gym equipment specification verification | S.S. Pardeshi | Police Sahaayukat Pune City | 1.49492 |
| 463 | Consultancy for casing & carrier pipe laid under railway crossing | N.K. Chougule | Rajendra Tambe Ee Water Supply Project PMC | 0.22 |
| 464 | Gym equipment specification verification | S.S. Pardeshi | Centre Store Dept PCMC | 10.01315 |
| 465 | Performance evaluation and calibration of air filters | M. R. Nandagaokar, S.N. Sapali | Sigma Air Filter | 1 |

| Sr. No. | Title | Name of the project leader | Funding Agency | Amount (Rs. in lakhs) |
|--|---|-------------------------------|--|-----------------------|
| 466 | Review design calculation for casing & carrier pipe for railway bridge crossing | N.K. Chougule | M/s DGm P&P maharashtra Natural Gas Ltd Pune | 0.22 |
| 467 | Incinerator | S.N. Sapali | Deputy executive officer ZP Satara | 0.3 |
| 468 | Design and preparation of specification & Dimention of gas fixed cremator with estimate | P.S. Shinde, M.R. Nandgaonkar | Vadgaon Nagarpanchayat, Vadgaon Malval | 0.71862 |
| 469 | Design and preparation of specification & Dimention of gas fixed cremator with estimate | P.S. Shinde, M.R. Nandgaonkar | Bhore Nagarprishad | 0.7305 |
| 470 | Design and preparation of specification & Dimention of gas fixed cremator with estimate | P.S. Shinde, M.R. Nandgaonkar | Otur grampanchayat Otur Junar | 0.5419 |
| 471 | Design and preparation of specification & Dimention of gas fixed cremator with estimate | P.S. Shinde, M.R. Nandgaonkar | Manchar grampanchayat | 0.5419 |
| 472 | Design and preparation of specification & Dimention of gas fixed cremator with estimate | P.S. Shinde, M.R. Nandgaonkar | Rajuri Grampanchayat Junar | 0.5419 |
| 473 | Inspection of gas firedhuman body cremation furnace for parner nagarpanchayat | P.S. Shinde, M.R. Nandgaonkar | Kalyani enterprises Talwade Pune | 0.64334 |
| 474 | Inspection of gas firedhuman body cremation furnace for Saswad nagarpanchayat | P.S. Shinde, M.R. Nandgaonkar | Kalyani enterprises Talwade Pune | 0.6312 |
| 475 | Design and preparation of specification & Dimention of gas fixed cremator with estimate | P.S. Shinde, M.R. Nandgaonkar | Indapur Nagarpanchayat | 0.90022 |
| 476 | Design and preparation of specification & Dimention of gas fixed cremator with estimate | P.S. Shinde, M.R. Nandgaonkar | Baramati Nagerpanchayat | 2.02461 |
| Total | | | | 27.975 |
| Department of Metallrgy and Materials Science | | | | |
| 474 | Failure investigation of blades in composting machine | S.B. Sarkar, S.P. Butee | Failure analSysis | 0.50 |
| Grand Total | | | | 916.0847 |

❖ BOOKS PUBLISHED

| Sr. No. | Name of the Author | Title of the book | Name of the publisher | Month of Publication |
|--|--|---|--|----------------------|
| Department of Computer Engineering & Information Tehcnology | | | | |
| 1 | Mrs. S. P. Kalamkar | Heterogeneous Data Fusion for healthcare monitoring: A Survey Name of Book: Big Data, IOT and Machine Learning | Imprint CRC Press eBook ISBN9780429322990 | July 2020 |
| 2 | Dr. S. N. Mohanty | Decision Making and Problem Solving A Practical Guide for Applied Research | Springer Publication 2021, ISBN 978-3-030-66869-3 | July 2021 |
| 3 | Dr. S. N. Mohanty | Applications of Artificial Intelligence in COVID-19 | Springer Publication ISBN 978-981-15-7316-3 | August 2020 |
| Department of Electrical Engineering | | | | |
| 4 | Surajkumar Sawai, Dr. (Mrs.) S. R. Kurode | Emerging Trends in Sliding Mode Control | Springer | January 2021 |
| 5 | Mrs. A. V. Tare | Smart Sensors Measurements and Instrumentation | Springer | January 2021 |

❖ **PATENTS**

| Year | Patents Applied | Patents Published | Patents Granted |
|---------|-----------------|-------------------|-----------------|
| 2020-21 | 2 | 5 | 8 |

| Sr. No. | Faculty / Students | Department | Title | Application No. & Date | Date of Publication | Status |
|--------------------------|---|---|--|---|---------------------|-----------|
| Patents Applied | | | | | | |
| 1 | Mr. Yogesh Kamble, Dr. B. Rajeev, Dr. P.D. Pantawane, Prof. B.B. Ahuja | Manufacturing Engineering & Industrial Management | Design and Development of Slotted Center Drilling Tool for Friction Drilling Process | 202021040960 Date: September 22, 2020 | -- | Applied |
| 2 | Mr Pratik Waghmare, Dr. B Rajiv and Prof.B.B.Ahuja | Manufacturing Engineering & Industrial Management | System and Method for Proceeding-Based Asset Safety and Actuation with Device Smartphone-Unique pairing. | Application No. 202021055455 December 21, 2020 | -- | Applied |
| Patents Published | | | | | | |
| 1 | Mrs.S.H. Deshpande, Dr. Jayant A. Kher, Mrs.Nandini V. Iyer, Dr. M.Y. Khaladkar, Dr. Ganesh L. Agawane, | Applied Science | Process for synthesis of diesel oil by catalytic pyrolysis of thermo softening plastic wastes | Application No. 202021023096 A Date: June 04, 2020 | July 03, 2020 | Published |
| 2 | Prof. N.B. Dhokey, Jay Runwal, Revati Ambekar | Metallurgy & material Science | Grinding System and Process of Surface Modification of Irregular Shaped Powders | 201921003487 Dated: January 29, 2019 | July 31, 2020 | Published |

| Sr. No. | Faculty / Students | Department | Title | Application No. & Date | Date of Publication | Status |
|------------------------|--|---|--|---|---------------------|---|
| 3 | Dr. M. P. Khond, Mr. Milind Vasekar, Vivekanand Naikwadi | Mechanical Engineering | Design & Development of Compact Temp Indicator devicing dise pads in Modern vehicles | Application No. 202021039875 Date:September 15, 2020 | November 6, 2020 | Published |
| 4 | Rutuj Wankhade, Aditya Jogalekar, M.N.Shaikh, B B Ahuja | Manufacturing Engineering & Industrail Management | Angular Mating Spur Gear | Application No. TEMP/E-1/47966/2019-MUM,Date: November 7, 2019 | May14, 2021 | Published |
| 5 | Dr. K.K.Tripathi, Kaksaheb D Waghmare, Tanveer Bagwan | Civil Engineering | In-situ Torsional Direct Test Device (T-DST) | Application No: 201921027975; Date:July12,2019 | January 15, 2021 | Publised |
| Patents Granted | | | | | | |
| 1 | Dr. B.B.Ahuja , Mr. Sudhir Madhav Patil, Mr. Sachin Hiraji Mhatre | Manufacturing Engineering & Industrail Management | Variable Loading Pin-On-Plate Reciprocating Sliding Tribometer [VLPOPRST] | Application No: 84/MUM/2013 Date: January 10, 2013 | October 17,2014 | Granted Patent No. :347732 Date: Setember 25, 2020 |
| 2 | Dayaram Sonawane , Seattle , Manan Pathak Venkat Subramanian , Matthew Lawder ,St. Louis | Instrumentation & Control Engineering | Battery Models , Systems , And Methods Using Robust Fail - Safe Iteration Free Approach For Solving Differential Algebraic Equations | Application No: 15/745,984 PCT Filed: July 20, 2016 (86) PCT No.: PCT / US2016 / 043188 | January 26, 2017 | Granted US 10,769,236 B2 Dated: September 8, 2020 |

| Sr. No. | Faculty / Students | Department | Title | Application No. & Date | Date of Publication | Status |
|---------|--|---|---|---|---------------------|---|
| 3 | Charthal Jayesh Suresh, Chandarana Saurabha, Munot Hema Kishore | Civil Engineering | Process for Preparation of Geopolymer-Composite Articles | Application No: 1957/MUM/2014, Date: June 17, 2014 | December 18, 2015 | Granted Patent No. :352755 Date: December 1, 2020 |
| 4 | Dr. S. D. Suryawanshi | Mechanical Engineering | Multipurpose cooling apparatus | Application No: 2185/MUM/2010 Date: August 2, 2011 | April 27, 2012 | Granted Patent No. :356049 Date: January 19, 2021 |
| 5 | Dr. B.B.Ahuja, Mr. S. R. Bahulikar | Manufacturing Engineering & Industrail Management | Variable Speed Drive System with Ball Cluster | Application No: 3781/MUM/2013 Date:December 3, 2013 | December 20, 2013 | Granted Patent No. :357923 Date: February 5, 2021 |
| 6 | Banerjee Siddhartha Sudhir, Kulkarni Shreyas B., Jungare sarang, Shirude Abhijit Rajendra, Sapkal Ashok, Ohol S S madhusudan | Electronics & Telcommuncat ion Engineering | An Arrangement to Maintain Stability of a body Mounted on a Rocker Bogie Mechnism | Application No: 2212/MUM/2014, Date: June 07, 2014 | January 15, 2016 | Granted Patent No.: 362205 Date: March 19, 2021 |
| 7 | Dr. Parag Sadgir Priyanand Agale | Civil Engineering | Self-Purification Based Polluted Water Purification | Application No. 201621007499 Date:March 3, 2016 | July 15, 2016 | Granted Patent No. 365518 Date: April 28, 2021 |
| 8 | Mayur Sanas, Dr. B.B.Ahuja, Dr. Arati Mulay | Manufacturing Engineering & Industrail Management | An Orthopaedic Plaster Splint | Application No: 1464/MUM/2015 Date:April 8, 2015 | April 7, 2017 | Granted Patent No. 365828 Date: April 30, 2021 |

❖ MAJOR EQUIPMENT & FACILITIES

| Sr. No. | Name of the Lab | Facilities |
|---------------------------------------|---|---|
| Department of Applied Sciences | | |
| 1 | Applied Science- Chemistry | The department has all the basic Instruments required for Chemistry, Environmental Science laboratory glassware and Instruments required for material synthesis, characterization and industrial testing. The facilities include Water Analyzer Kit, Water Demineralization Plant, Microprocessor Based pH meter, R O based Water Purifier, Afcoset Electronic Balance, Lab Guard Fume hood, Inert high temperature work platform, Ball mill, Hydraulic Pellet press and die set, Flame photometer, Colorimeter, 979 VA Computrace– Cyclic voltameter, High temperature furnace, Muffle Furnace, Thermogravimetry analyzer, Differential Thermal analyzer. Autoclave, Incubator, Hot air oven, bomb calorimeter, Flame photometer, Gas sensor assembly, Apparatus for Fractional Distillation, etc. |
| 2 | PG research centre in Chemistry and Environmental science | |
| 3 | Microbiology and Nanobiotechnology Laboratory | The department has all the basic Instruments required for Chemistry, Environmental Science laboratory glassware and Instruments required for material synthesis, characterization and industrial testing. The facilities include Water Analyzer Kit, Water Demineralization Plant, Microprocessor Based pH meter, R O based Water Purifier, Afcoset Electronic Balance, Lab Guard Fume hood, Inert high temperature work platform, Ball mill, Hydraulic Pellet press and die set, Flame photometer, Colorimeter, 979 VA Computrace– Cyclic voltameter, High temperature furnace, Muffle Furnace, Thermogravimetry analyzer, Differential Thermal analyzer. Autoclave, Incubator, Hot air oven, bomb calorimeter, Flame photometer, Gas sensor assembly, Apparatus for Fractional Distillation, etc. |
| 4 | Animal Tissue Culture and Molecular Biology Laboratory | |
| 5 | Language Laboratory | The language lab offers a platform for students and Faculty members to enrich their communication skills with the help of software applications available in the lab such as Renet Language Studio, ESPOIR Interview Simulator, ESPOIR Spoken English, ESPOIR English through Science and Technology, etc. It also helps students to practice various international level exams in Business English and TOFEL, GRE. |

| Sr. No. | Name of the Lab | Facilities |
|--|----------------------------------|--|
| 6 | Mitr-Wellness Centre | <p>College students are the cream of young adult population. Many a times it is observed that they are under tremendous pressure that stems from various aspects like expectations about excelling academically, adjusting with the change in environment, family pressure, family problems, striking a balance between academics, extra-curricular activities, relationship issues, conflict in the values of the society at large and sometimes, psychological dysfunctioning.</p> <p>The range of problems addressed include academic (exam stress, nervousness, lack of interest, perceived stress, year-down and backlogs, study habits, time management, and sometimes depressive symptoms), adjustment issues (lack of confidence, perceived insults, clashes with people, and inability to adjust with change in environment especially for First Year students), relationships (family, clashes with family members, pressure about achievements & responsibilities, trouble with friends and intimate relationships or tumultuous personal relationships) and personal issues (depressive thoughts & ideas, negative or ambiguous self-image, inferiority complex, unhealthy habits (smoking, drinking, drugs, etc.), fear, and sometimes psychological issues like suicidal ideation, obsessive and/or compulsive tendencies, depression, anxiety, etc.)</p> <p>All these issues have been and are being dealt with professional psychological counselling wherein the students' record is maintained and a follow up is done. The number of sessions vary as per requirement. If need be, family members can be called for and also, group counselling takes place as per requirement. All cases are handled in the most confidential and empathetic manner. The general success rate is quite satisfactory, considering that students have largely reported of becoming better and self-reliant at handling problems.</p> |
| Department of Civil Engineering | | |
| 7 | Environmental Engineering | COD Digester, Total Organic Carbon, UV- Spectrophotometer, BOD Incubator Shaker, High volume Air Sampler, Atomic Absorption Spectrophotometer |
| 8 | Strength of Materials laboratory | Repairing and installment of new digital system for Existing 60 T capacity Universal testing Machine, Tile Abrasion Testing Machine, Electronic Extensometer, UTM 1780 kN, 600 kN, Tile Flexural Machine, Brinell Hardness Tester, Lateral Extensometer, Tile Abrasion |
| 9 | Strength of Material Lab room | Participation in effective space utilization activity in Strength of Materials, by creating strength of material laboratory of 35 students capacity. |
| 10 | Strength of Materials Lab | Miniproject for M tech student "Utilization of existing test frame for testing of wall panel" Project incomplete due to lock down situation. |

| Sr. No. | Name of the Lab | Facilities |
|--|--------------------------------|---|
| 11 | Concrete Technology Lab | CTM 3000 kN, Flexural Machine, Concrete Permeability Apparatus, Rebound Hammer, Ultrasonic Pulse Velocity, Concrete Pan mixer, Creep Apparatus, Rebar Locator, Proposal for New Concrete mixer and Vibration table for concrete technology lab |
| 12 | Geotechnical Engineering Lab | Centrifuge Modeling, Direct Shear Test, Soil Compaction Test, Triaxial Shear Test, Relative Density |
| 13 | Computer Lab | Softwares: MIDAS, PLAXIS, NISA, SAP, Geo-5, SPSS, PRIMAVERA, E-TABS |
| 14 | Survey Lab | Pocket Laser Level, Digital Plannimeter, Total Station, DGPS, GPS |
| 15 | Transportation Engineering Lab | Marshall Stability Test, Rolling Thin Film Oven Test, Centrifuge Bitumen Apparatus, Bump Integrator, Benkelman Beam, Bitumen Viscometer, Skid Resistance |
| 16 | Engineering Mechanics Lab | Parallel Force Table, Universal Force Table, Combined Coil Apparatus |
| 17 | Fluid Mechanics Lab | Frictional Losses in pipes and valve, 10 HP Centrifugal Pump, Tilting Flume, Impact of Jet Apparatus |
| Department of Computer Engineering & Information Technology | | |
| 18 | Advanced Software Lab | Number of PC's: 20, Configuration: Desktop Systems Make: Dell Optilex 9020 SFF, 4 GB RAM, 500 GB SATA HD Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot, Projector |
| 19 | Database Lab | Number of PC's: 20, Configuration: Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot |
| 20 | Graphics And Multimedia Lab | Number of PC's: 20, Configuration: Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot |
| 21 | Digital And Microprocessor Lab | Number of digital signal Kits: 11, Number of PC's: 9, Configuration: Desktop PC with Pentium i3 processor 3.07 GHz, 4 GB DDR, 250GB HDD, Dual boot Win XP and ubuntu, HP-Model: Z200 workstation, Number of PC's: 2, Digital Trainer kits |
| 22 | Internet Security Lab | Total Number of Machines: 15, Dell OptiPlex 9020 SFF Desktop Systems, Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot Win7 and ubuntu, Sun Microsystems Workstations:10, Dell OptiPlex Desktop Systems, HP workstation, HP small Factor Desktop, Projector |
| 23 | Programming Lab | Number of PC's: 21, Configuration: Desktop PC with Pentium i5 processor 3.09 GHz, 4 GB, 500 GB HDD, Dual Boot Ubuntu 11.04 as well as Win7, HP-Model: HP-Compaq 6200 pro small factor, Projector |

| Sr. No. | Name of the Lab | Facilities |
|---|---|--|
| 24 | Cloud Computing Lab | Server Tower Model: Intel E5 2430 Xeon Processor, 12GB RAM, 3TB SATA HDD with RAID-5, 460 Power Supply, 18.5 LED Monitor, HP Desktop 6300, HP ML 350 LFF Tower server - 2 Nos, Memsic - wireless sensor network kits and RFID tags and readers, HP Server, LG Projector, Printer |
| 25 | Nvidia Lab | Number of Machines: 16, Dell Precision T 1700 SFF Base Workstation Systems with Nvidia Graphics card, Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot Win7 and ubuntu, Dell Precision Workstation, GPU Server |
| 26 | Foss Lab | Total Number of Machines: 50, Configuration: Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot, Projector: DLP X-Series Texas Instruments |
| 27 | Cognizant Lab | Total Number of Machines: 180, Configuration: Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot Win7 as well as ubuntu, Dual screen wireless PA system |
| 28 | Data Mining Lab | Total Number of Machines: 12, HP Compaq 6200 pro, NVIDIA Tesla & Quadra 400 Graphics Cards Dual boot, Projector: Sharp DLP Texas Instruments, HP Workstation Desktop, Dell Desktops, LCD Screen |
| 29 | Research Lab | Total Number of Machines: 5, Z400 Workstation: 05 Intel core Xeon Processor, RAM 4 GB,500GB HDD, With NVIDIA Tesla & Quadra 400 Graphics Cards Dual boot, HP Workstations, Dell Workstation |
| 30 | Data Center | Link load balancer, Firewall, Anti-virus software, Content filtering, video streaming, Blade servers, Rack servers, Cisco router, switches, Wireless access points and wireless controller |
| 31 | Central Computing Facility: Cognizant lab | Total Number of Machines: 180 Configuration: Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB,500GB HDD, Dual boot |
| Department of Electrical Engineering | | |
| 32 | Electrical Machines and Drives Laboratory | All in one electrical Machine test bench Fractional Horsepower Dynamometer Eddy current Dynamometer (70 hp) Four Quadrant Induction Motor Drive BLDC Motor Drive Set Permanent Magnet Synchronous Motor (PMSM) –PMSG Set Wind Power Generator System Pico Hydro Power Plant with motor drive system Industrial Drive System Motor drive and load characteristics setup 15 hp, AC motor VFD drive |
| Sr. No. | Name of the Lab | Facilities |

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|--|---------------------------------------|--|
| 33 | Advanced Power Electronics Laboratory | Bidirectional AC DC Converter 3 kW IGBT based – PC 07 AC-DC/ DC-AC Power Converters 3 kW IGBT based: PC 17 DC-AC Power converter; 300 W, MOSFET based- PC 33 Bidirectional AC DC Converter 1 kW IGBT based – PC 05 Bidirectional DC Converter 3 kW SCR based – PC 27 AC-DC Power converter; 3 kW, SCR based- PC 28 AC-DC-AC Power converter; 300 W, MOSFET based- PC 37 Programmable DC load Programmable AC load Programmable AC DC source WT-1600 YOKOGAWA Power meter Solar Power System Solar Array Photovoltaic Simulator Solar Thermal System |
| 34 | DSP Application Laboratory | DSP TMS 320F28335 |
| 35 | Embedded Laboratory | MSP430 Kits, Beaglebone board, TiVA Board, ARM DS-5 software DSO |
| 36 | HIL Laboratory | OPAL RT D-SPACE NI Cards- DAQ Cards NI Power supply cards Altair software and Hardware platform |
| 37 | Basic Electrical Engineering Lab | Trolley mounted Experimental set Electromagnetic set up |
| 38 | Dynamics and Control Lab | Industrial Mechatronics Drive Unit Double Inverted Pendulum System Two tank Coupled System Four tank Coupled System |
| 39 | HV Engineering Lab | DC HV Digital Meter Digital Power Meter Impulse Capacitance and Accessories Impulse Generator Tan Delta Bridge with accessories AC DC High voltage test set |
| 40 | Power Systems and Protection Lab | All Relay Testing Kit Transformer Trainer Numerical Relay Trainer Electrical Power Transmission Line Training System Phasor Measurement Unit |
| 41 | Computational Laboratory | MATLAB, V2019 Ansys Maxwell, V2019 PSIM 11 |
| Sr. No. | Name of the Lab | Facilities |
| Department of Electronics and Telecommunication Engineering | | |

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|----------------|--------------------------------------|---|
| 42 | Electronics laboratory | CROs -(15) Function Generators-(9) Multi- meters-(6) Experimental Kits-(40) Power Supplies-(11) Function Generators- (7) |
| 43 | Power Electronics Laboratory | Power electronics kits, -(24) AC/DC drives, Motors, -(3) Stepper Motor Drive-(1) Power Scope, CROs-(10) Power Scope (Lecroy)-(1) Function Generators-(2) Power Factor meter-(1) SMPS, UPS -(1) Digital Tachometers -(1) Power Supplies -(10) Single Phase SCR fired Dc Drive-(1) SCR Converters and reactive Loads -(1) SCR and AC Pace Control -(1) Three Phase Power Quality Oscilloscope -(1) |
| 44 | Digital Signal Processing Laboratory | Dual –Core Processor based Personnel Computers-(15) CODE Composer Studio TMS 320XX DSP Processors |
| 45 | Digital & ICA Laboratory | Digital Trainer Kits, -(14) 8085 Microprocessor and Peripheral Kits -(10) CROs, -(9) Function Generators, -(7) Multi- meters, -(8) Power Supplies -(13) |
| 46 | Communication Laboratory. | Analog and digital communication kits (15) Digital Storage Oscilloscope, (12) Distortion and level meters-(1) Intel core-i7 @ 3.4 GHz Personnel Computers -(07) Microwave Integrated Circuit Analyser -(1) SDR and reciever, 3G Communbication System Wireless Digital Radio Transmitter-SDR & Receiver Understanding of 3G Communication system Digital Communication Training System. AMITEC Make C&S Band Satellite |
| Sr. No. | Name of the Lab | Facilities |
| 47 | Test & Measurement | Mixed Signal Oscilloscope, Digital Phosphorus Oscilloscope, |

| | | |
|----|---|---|
| | Laboratory | Logic Analyzer, Network Analyzer Spectrum Analyzer, Arbitrary Waveform Generator, Field Strength Meter, LCR –Q Meter Synthesized signal Generator 100/200 MHz Cathode Ray Oscilloscope Vector Network Analyzer EMI Test Receiver Advance Spectrum Analyzer Vector signal Generator |
| 48 | Internet Laboratory | Intel core-i7 @ 3.4 GHz Personnel Computers (40) |
| 49 | Microwave Laboratory/ Audio- Video Laboratory | Microwave Bench, -(1) Microwave Power Meter, -(1) Microwave Oven-(1) Antenna simulation software PCAAD Colour TV Trainer Kits -(2) Display for Wobbulator VCD Player Trainer kit -(2) Colour pattern generator |
| 50 | Fiber Optics Laboratory | Optical Spectrum Analyzer, OTDR, FOC experimental kits, Dual –Core Processor based Personnel Computers (10) Laser Fiber Optic Trainer, source, Power supply -(1) Advanced Fiber Optic Trainer Benchmark Optical Fiber System-IV, Communication Trainer Kit WDM-Trainer kit, OTDR Trainer Kit Optisim-4.0 Simulation Software |
| 51 | Post Graduation Laboratory -I | Dual –Core Processor based Personnel Computers-(34) |
| 52 | Post Graduation Laboratory -II | Dual core processor-based Personnel Computers (11) Intel P-IV 3 GHz Personnel Computers -(13) |
| 53 | Image Analysis Center | Standard Finger Print Programming Cable -(1) Serugen 500dpi USB optical Finger print scanner -(1) Palm Scanner USB with SDK -(1) Night Vision Digital Camera -(1) Cannon digital camera SX 12095 IR Camera, Lens, source High speed Camera |

| Sr. No. | Name of the Lab | Facilities |
|---------|---|---|
| 54 | Center for Advanced Embedded Computing (Lab-I) | Dual –Core Processor based Personnel Computers-(11) Stellaris Guru Microcontroller Evaluation Kits v 1.0 based on ARM Corex - M3 LM3S608 (05): Donated by Texas Instruments |
| 55 | Center for Advanced Embedded Computing (Lab-II) | Dual –Core Processor based Personnel Computers-(11) Intel Atom Innovation Kits based on E6xx processor (02) : Donated by Intel |
| 56 | Embedded Systems Laboratory | 8051 Family Development Tools and Libraries, Mini Cards with 8051 based Microcontrollers from Phillips, Analog Devices, Dallas Analog I/O cards, Digital I/O cards, Alpha-numeric and Graphics, LCD, Keyboard Matrix Ethernet interface cards PIC development system with 16F877 microcontroller and peripherals PIC programmer, PC based Data acquisition system ARM processor Kit and development tool set Academic License of μ -COS(5) Intel P-IV 2.4 GHz Personnel Computers -(08) Qualnet Research Licence, HP Z2400 Workstation Metagraphics software and development boards DM 6446 (Da Vinche+ ARM) Processor Development Board |
| 57 | VLSI Laboratory | Xilinx 14.2 Software, ModelSim Software DSP Application Software FPGA Trainer, CPLD Trainer Universal Trainer Kit For CPLD-FPGA Devices Device Adapter PCI Interface Cards Embedded System Development Software Kit FPGA based Development Board –(2) Microwind Package 3.1 Mentor Graphics Simulation Tool for VHDL Cadence Tool for Analog/Digital System Design Metor Graphics h Higher Education 2 (HEP-2) for Front end design (25 USER) Zyng-7000 Development Board Zed Development Board –(4) Virtex-5 Development Board Kintex-7 Development Board kit Tensilica Xtensa Xplorer(XPG) |

| Sr. No. | Name of the Lab | Facilities |
|--|--|---|
| 58 | Texas Instruments Centre of Excellence (An extension to Embedded Systems Laboratory) | MSP-EXP432P401R, LAUNCHXL-CC1310, BOOSTXL-EDUMKII, PLMK BOOST, BOOSTXL-SENSHUB, TI-RSLK |
| 59 | Palm Print Laboratory | Dual –Core Processor based Personnel Computers-(15) JAI AD-I80GE (2CCD Camera Visible NIR IR Lighting Source |
| 60 | PCB Laboratory | Automatic PCB & Antenna Prototype Machine: EP-42 Auto PCB Prototype Machine PCB artwork film maker (Photo Contact Printer) PCB shearing machine Photo-resist Dip coating machine Both side UV exposure unit Dye & development tank Roller Tinning Machine PCB curing machine Etching Machine Rework Station Automatic PCB & Antenna Prototype Machine: EP-42 Auto PCB Prototype Machine PCB design software: TINA V11 Design Suite Educational Version Complete PTH Setup with full Necessary Accessories |
| Department of Instrumentation and Control Engineering | | |
| 61 | Electronics Lab | dSPACE- Micro Lab Box |
| 62 | Sensor Development Lab | COMSOL Multiphysics Modelling software with Electrochemistry, optimization and MEMS Addon Modules. |
| 63 | Industrial Automation Lab | Upgrded DeltaV System with Servers and Operator stations |
| 64 | Analytical Laboratory | Trace Oxygen Analyzer |
| 65 | Hybrid Electronics Laboratory | Arbitrary Function Generator Mixed Signal Oscilloscope |
| 66 | Advanced Control Laboratory | Qube Rotary Servo with Rotary Pendulam 'Quanser' Three DOF Gyroscope 'Quanser' |
| 67 | Embedded Lab | Video Processing Development Setup PIC Development Board cherry PICV1.2 |

| Sr. No. | Name of the Lab | Facilities |
|--|---|--|
| 68 | PLC Laboratory | Rockwell Automation Toolkit Camera NI 1742 Smart Sr.no-780147-01 |
| 69 | Advanced Process Laboratory | Product Packing and Storage System Evaporator System & accessories Quarduple Tank System |
| 70 | Digital Signal Processing Laboratory | Nano Board NB 3000 FPGA Kit Altium Designer Custom Board Scanner Epson V600 |
| 71 | Biomedical Laboratory | Medical Development kit Iris Image Processing System Patient Simulator-Vital Signs Simulator Electrical Safety Analyzer LCD Projector Hitachi |
| 72 | Smart Building Management System Laboratory | Intelligent building management controls Chilled Water System simulation kit Air Handling Unit demo kit, IoT kit Test setups to simulate different HVAC applications |
| Department of Manufacturing Engineering & Industrial Management | | |
| 73 | Central Workshop | Lathe Machines, CNC-Lathe, Vertical Machining Centre, Radial Drilling Machines, Wood cutting lathe, Shaper & amp; Planer Machines, Grinders, TIG, MIG and Resistance Welding machines, Molding Machines, Tin Smithy and Forging |
| 74 | FMS Lab | CNC Lathe, CNC Milling Machines |
| 75 | FAB Lab | Vinyl cutting machine, Modela mini mill machine, Shopbot CNC router, Epilog Laser cutter, Scroll Saw Bench Grinder, Manual Lathe Machine, Heat Gun, Master appliance pro heat gun, Weller, Electroless System with power supply, Soldering station |
| 76 | Ergonomics Lab | Equipments in the Lab are used to access the human work. Hand force measurement, Foot Force measurement, Pressure Pads |
| 77 | CAD/CAM Lab | CATIA, PRO-E, FESTO FLUID SIM, MATLAB, AUTOCAD |
| 78 | Robotics and Automation Lab. | Industrial Robots, Transducers, Training Kit, Vibration and Temperature Sensor. |
| 79 | Terotechnology & amp; Tribology lab. | PC controlled Atomic Absorption Spectrometer Ducom Pin-on-Disc Machine (TR 20LE), Direct Reading Ferrograph, Model: DR5, Dual Slide Ferrogram Maker Model: FMIII, Bi-chromatic Optical Microscope (Olympus BX 51), Ultrasonic Flaw Detector FD 350 |

| Sr. No. | Name of the Lab | Facilities |
|---|------------------------------|---|
| 80 | Metrology Lab | Co-ordinate Measuring Machine (CMM) |
| 81 | Rapid Prototyping lab | SLM Metal AM Machine, Stratasys Connex 350, Fortus 450 FDM Technology Machine, Solid scape Wax 3D Printer, Stratasys F170 FDM 3D Printer, Form Labs SLA Technology 3D Printer with FORMWASH and FORM Cure unit, Laser Head for Metal RP machine, 3D printer FDM (PlusBot), Roland Picza LPX600D, Light Sectioning Microscope, Rapid-I Precision Measuring System, David Scanner, Artec Spider 3D Scanner, Filastruder Kit, Laser engraving machine, Precision Table |
| 82 | Non-Conventional Lab | Hybrid –EDM, CNC Die Sinking EDM |
| Department of Mechanical Engineering | | |
| 83 | CAD/CAM/CAE Laboratory | 45 Computers having latest configurations Softwares: ANSYS 17.2 Creo Parametric 4.0 CATIA, Auto cad 2017 Altair HyperWorks Matlab |
| 84 | Design and Optimization Lab | 50 Computers having latest configurations Softwares: AUTO CAD, CATIA, ANSYS, CREO TK Solver Rel.5.0 Software Optistruct Hyperworks ProEnginners |
| 85 | Fluid Machinery Laboratory | Pelton Wheel Test Rig Francis Turbine Test Rig Kaplan Turbine Test Rig Gear Pump Test Rig Hydraulic Press Pneumatic Trainer Hydraulic Trainer Kit |
| 86 | Fuels and Testing Laboratory | Computerized Single Cylinder Research Engine (Multi-fuel) Test setup Multi-cylinder Petrol Engine Test Setup Variable Compression Ricardo Engine Test Setup 4 Gas Exhaust Analyzer Smoke Meter Bomb Calorimeters Carbon Residue Apparatus Redwood Viscometer Saybolt Viscometer AVL gas analyzer, AVL Suite and RICARDO Suite |

| Sr. | Name of the Lab | Facilities |
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| No. | | |
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| 87 | Micro- Machining Laboratory: | 4-Axis CNC Wire Cut EDM along with Software Nd: YAG Pulse Laser System along with 4-Axis CNC Gantry 4-Axis CNC Milling Machine Fibre Laser System Laser Alignment System Micro-Hardness Tester Laser Micrometer Micro tool Multi-Purpose Machining Centre |
| 88 | Heat Transfer Laboratory | Pin Fin Apparatus Stefan Boltzmann Apparatus Forced convection Apparatus Emissivity Measurement Apparatus Thermal Conductivity of Insulating Powder Apparatus Thermal Conductivity of Liquid Apparatus Thermal Conductivity of Metal Rod Apparatus Heat Exchanger Apparatus Drop wise and Film wise Condensation Apparatus Heat Pipe Apparatus |
| 89 | Non-Conventional Energy Sources Laboratory | Parabolic Collector Solar Panels Flat Plate Collector Solar Panels Windmill, Solar Cooker, Solar Still Vacuum Tube Solar Water Heater Pyranometer, SPV Panels (80W) |
| 90 | Danfoss Refrigeration and Air Conditioning Laboratory | Vapour Compression test rig Ice Plant test rig Air Conditioning test rig Split AC Test Rig Air Cooler Test Rig Watercooler test rig. Household Refrigerator test rig Compressor cut section |
| 91 | Steam Technology Centre | Impulse Reaction Turbine Surface Condenser Resistance Load Cell Vaporax Boiler Spiral Heat Exchanger Plate Heat Exchanger Shell Heat Exchanger Tube Type Heat Exchanger Packaged Type Boiler (Forbes Marshall) |
| Sr. No. | Name of the Lab | Facilities |
| 92 | Stress Analysis | 2T Universal Testing Machine with Computerized Data Acquisition |

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|---|--|---|
| | Laboratory | System Diffused Light Polariscope Strain Indicator |
| 93 | Theory of Machines Laboratory | Gyroscope Brake Test Rig Balancing of Reciprocating Masses Wear Test Rig |
| 94 | Vibration and Acoustics Laboratory | Electro-Dynamic Vibration Shaker with Controller and Power Amplifier Modal Shaker 4-Channel Vibration Analyzer Impulse Hammers Miniature Tri-Axial Accelerometers Pressure Field Microphones Vibration Analysis Software Modal Analysis Software Non-Contacting Type Tachometer |
| 95 | Particle Image Velocimetry Lab | Water channel for flow visualization Integrated PIV system for velocity measurement |
| 96 | PG computational laboratory | Twelve work stations with 32 GB RAM for carrying out simulations Computational cluster (installed in the data centre) with total 80 core. Ansys Multi-physics software 15.00 with 25 R & D licenses and 250 academic licenses with node limit of 2,56,000. |
| 97 | EATON Fluid Power Lab | Executed a Procurement process of cut sections of Hydraulic Components for EATON Fluid Power lab Executed a Procurement process of Filter Test Bench Rig through MODROB grant for Fluid Power lab |
| Department of Metallurgy & Materials Science | | |
| 98 | Ceramic Processing Laboratory | Tubular Si-C Furnace, Universal Testing Machine, Spray dryer, Analytical Weighing balance Laboratory Oven, Si-C Furnace BET surface area analyser Jar Mill, Rotap Sieve Shaker |
| 99 | Surface Engineering Laboratory | Gas Nitriding Furnace, Wire Flame Thermal Spray, Induction Furnace, Drip Carburizing Furnace, Fluidized-bed Nitriding Furnace, Powder Flame Thermal Spray & Grit Blasting Machine, Laser Machine, X-Y Table, Muffle Furnaces (No. 4) |

| Sr. No. | Name of the Lab | Facilities |
|---------|-----------------|--|
| 100 | Advanced | Potentiostat, Jasco - UV visible Spectrophotometer, FTIR |

| | | |
|-----|--|---|
| | Materials Laboratory - Eaton Sponsored | Spectrophotometer, Adhesion Tester, Mould and Press Assembly, Interface 1000 Potentiostat System, Thickness Gauge, |
| 101 | Powder Metallurgy and Tribology Laboratory | Attritor Mill, Hot Press Compaction Machine, Weighing Balance- Nos, Weighing Balance-Nos, Powder Coating Apparatus, Fatigue Test Machine, Image Analyser, Digital Multimeter, Powder Compacting Machine, Muffle Furnace, Electrolytic Polishing, Pin-On-Disc (magnum make), Low Speed Diamond Machine, Cryogenic System, MoSi ₂ sintering Furnace, Vacuum Sintering Furnace, Low Temperature Muffle Furnace, Sintering Furnace-I. |
| 102 | Polymer and Nano Composites Laboratory | Twin Screw Extruder, Thermogravimetric Analyser, DSC, Vacuum Oven, 7.5 Digit Multimeter (Keithley, Germany), Plastic Injection Moulding, 2 Ton UTM - Polymer testing, Digital Source Meter (Tektronix Inc, USA), Electrometer/ High Resistance Meter (Keithley, Germany), Dilatometer (V.B. Ceramics, Indra), 4 Points Probe Conducting Meter (Lucas Signatone, USA), Precision Impedance Analyser (Wayne - Kerr, UK), Hot Compaction M/C (Kimya Ind., India), Melt Flow Index Tester, Izod Impact Tester |
| 103 | Computer Laboratory | HP Compac Pro 6300 Led Monitor Desktop 60 nos |
| 104 | Scanning Electron Microscope Laboratory | FE -SEM + EDS |
| 105 | Metallography and Image Analysis | Optical Microscope, Inverted Microscope, Optical Microscope with Image Analyzer, Upright Microscope, Charpy, Hot Mounting Press, Automatic Polishing Machine, Stereo Microscope, Microhardness Tester, Inverted Microscope- Ziess. |
| 106 | Material Analysis Laboratory | Analytical Balance (2 Nos), Strohlins Carbon Analyser, Electrogravimetric analyzer, Atomic Absorption Spectroscopy. |
| 107 | Mechanical Testing Laboratory | Ericson Cupping, 60 T UTM, 10 T UTM, Vickers hardness tester, Brinell hardness tester, Rockwell hardness testers, Digital Charpy Impact testing machine. |
| 108 | Manufacturing Process Laboratory | Rolling Mill, Jaw crushers (2 No.), Rotary Swagger |
| 109 | Foundry Laboratory | Induction Furnace, Centrifugal Casting machines (2 Nos.), Muller mixer (2 kg- 5 kg), Sieve analysis set up, Shell moulding machine, Sand testing equipments: UTM, Permeability meter, Rapid moisture teller. |

| Sr. No. | Name of the Lab | Facilities |
|------------------------------|--------------------------------------|---|
| 110 | Corrosion and Surface Protection Lab | Tubular High Temperature Furnace, Slow strain rate testing machine, Scratch tester, Wear and Friction motor, potentiostat, galvanostat. |
| Department of Physics | | |
| 111 | Optics and Modern Physics Laboratory | Basic Physics phenomena covered |
| 112 | SPE and SSPST Laboratory | Basic Physics phenomena covered |
| 113 | Research Laboratory | High Vacuum Furnace, Sonicator, spin coater, Centrifuge machine, simulation workstation, Potentiostat |

➤ **Major Activities coordinated by the Central Library during AY 2020-21**

1. Online Webinar on Grammarly, Research Writing Software was held during 26th June 2020.
2. 5 days Faculty Development program on “Research and Quality Publication: Practice and Tools” was organized during 20th-24th December 2020 for all faculties and Researcher scholars.
3. Webinar on “How can Wiley Online Library Help Researchers” was organized on 22nd April 2021 for M.Tech and Ph.D. Students.
4. A webinar on the topic “Literature search: Empower research community” was conducted by Web of Science on 4th May 2021.
5. An “User Awareness Program.” was conducted by the National Digital Library of India Club (NDLI Club) in association with COEP on 24th June 2021.

➤ **Details of Library Collections**

- **Total Collections: 1,41,730**
- **84472 Dev print book + 40553 Book Bank + 4199 TEQIP+12506 e-books)**

A) Books

- **Total no. of Books 1,41,730 (DEV.+BB+TEQIP+e –Books)**

- 1) Dev. Of Library-84472
- 2) Book Bank-40553
- 3) Under TEQIP-4199
- 4) e-Books 12506

- **Total No. of Titles-56342 (DEV.+BB+TEQIP+e –Books)**

- 1) Dev. Of Library-41145
- 2) Book Bank-1492
- 3) TEQIP 4199
- 4) E BOOKS 12506

B) Bound Volume of Journals-10441

C) Thesis-1244

D) CDs-2700

➤ **Digital Library**

• **Links of subscribed E-resources**

| Sr. No. | Name of the e-resources | Link | Dept |
|--|--|--|--------------------------------------|
| e-Journal packages | | | |
| 1 | ACM Digital Library | http://dl.acm.org | Comp/IT |
| 2 | ASCE Online | http://ascelibrary.org/journals/all_journal_titles | Civil/App. Mech/TCP/Geology |
| 3 | ASME Online | http://asmedigitalcollection.asme.org | Prod/Mech/Meta |
| 4 | IEL Online (Multiuser) | http://ieeexplore.ieee.org | Elec/Instru/E&TC/Comp/IT |
| 5 | Science Direct (PG) | http://sciencedirect.com | All Departments |
| 6 | Springer Link | http://springerlink.com http://link.springer.com | All Departments |
| 7 | Blackwell Wiley | http://onlinelibrary.wiley.com | All Departments |
| 8 | J-Gate Engineering and Technology | http://www.jgateplus.com | All Departments |
| 9 | Indian Standard Code | https://standards.bsb.co.in/ | All Dept 18000 Indian Standards code |
| e-Books | | | |
| 10 | Springer's e-Books 2012 (652 e-books) | http://link.springer.com | All Departments |
| 11 | IEEE-Wiley e-books (654 e-books) | http://ieeexplore.ieee.org | All Departments |
| 12 | IEEE-MIT e-books (484 e-books) | http://ieeexplore.ieee.org | All Departments |
| e-Databases | | | |
| 13 | MGH AICTE Access Engineering Library | http://accessengineeringlibrary.com | All Departments |
| 14 | ASTM Digital Library Online dictionary of Engineering Science and Technology | http://www.enterprise.astm.org | All Departments |
| 15 | Elsevier's Scopus Database | http://www.scopus.com/home.url | All Departments |
| 16 | Indian Standard Code | http://10.1.66.47/bis_asp | All Departments |
| 17 | IET Digital Library | http://digital-library.theiet.org | All Departments |
| NPTEL Video Lectures | | | |
| 18 | Video Lectures | http://coep.org.in | All Departments |
| SOFTWARES | | | |
| 1) | Turnitin Anti Plagiarism Check Tool | | |
| 2) | Grammarly Writing Assistant | | |
| 3) | Slim 21 library management software. | | |
| MEMBERSHIP | | | |
| 1) | N-List | | |
| 2) | NDL (National Digital Library) | | |
| 3) | British Council Library | | |
| SLIM 21 ex Library Software (Library Catalogue Browser) | | | |
| 20 | Web OPAC | http://10.1.66.47/w27 | All Departments |

❖ TRAINING & PLACEMENT CELL**• The major activities conducted by Training and Placement Cell**

- Organized the campus recruitment for B. Tech and M. Tech students.
- Organized workshop on resume writing, how to face interviews? Do's and Don'ts in Group discussion, interviews, mock interviews.
- Organized mock seminars and assessment tests for all the eligible students for placements before the actual placement process began.
- Provided at least one job to maximum eligible students.
- Connected students to Industries for various event sponsorship and in-plant training /internship.
- Preplacement employability test "AMCAT" was conducted for all final UG and PG conducted by Aspiring Minds
- To facilitate the recruitment drives and internships of the students during the pandemic, the institute has purchased the Superset software which is an online platform for student's recruitment and internships.

• Placement

- 153 companies visited the campus and 64.10% of the B. Tech students and 40.65% of the M. Tech students are placed from the batch graduating till July 2021. Placement process of 60 companies are currently ongoing. Maximum packages offered to these students - 37.00 LPA., by D.E. Shaw, 33.50 LPA by Arcesium, 23.00 LPA. by Goldman Sachs, 19.63 LPA by Deutsche Bank, were among others.

• Salary Structure:

- The Salary Packages offered in the Institute ranges from INR 3.50 Lakhs per annum to 37.00 Lakhs per annum based on the type of the company.
*Rs. 37.00 Lakhs was offered by D.E. Shaw this year.
- Software / IT companies (Bulk) - salary ranges from INR 3.60 to 5.00 LPA
- Software / IT companies – salary ranges from 6 LPA to 37 LPA.
- Core Companies- salary ranges from INR 3.50 to 37.00 LPA

- **Major companies who visited COEP for campus recruitment this year:**

| Sector | Companies |
|--------------------------------|--|
| Automobile | Bajaj Auto, Maruti, Mercedes Benz, Ashok Leyland, Hero Moto Corp, TVS Motors. |
| Bank | Goldman Sachs, Credit Suisse, Barclays, Deutsche Bank, Citi Corporation |
| Communication | Idea cellular, Reliance JIO |
| Consulting | ZS Associates, DAR Group, Toyo Engineering, Aker Solutions |
| Financial | D. E. Shaw & Co., Arcesium, FinIQ |
| IT | Tata Consultancy Services, Infosys, Cognizant Technology, Accenture |
| IT (R&D) | Infosys, Tata Consultancy Services, Capgemini |
| Engineering | Siemens Technology, Siemens Ltd., L & T Ltd., Honeywell, Whirlpool, Avaya, Bosch, Cummins Ltd, ION Trading, IDEAs, Amura Technologies, Tata Steel, ABB, Samsung India, Veritas LLC, Finiq, Bharat Forge, Eaton, L & T Construction, EQ Technologies, Alepo Technologies, Oracle, Mastercard, Siemens PLM Software, NICE, Parallel Wireless, Johnson Control, Wipro Technologies, 3 D PLM Software, Thermax, Varroc Group, Faurecia, Famitech Technologies, Air Products, Emerson, , Caterpillar, Persistent, Reliance Industries, Cadence, Reliance retail, Reliance IT, Reliance Jio, Kay Bouvet Engineering, Sedemac, Hinduja, Autocop, Relyon Solar, Rockwell Automation, Alfa Laval, Godrej, Hyundai Construction, NFIL, Isuzu India, Flight Case, L & W Construction, Mini Orange, NXP Semiconductor, Tata Digital, Accolite, Icertis, Toshiba, T&I ,Asian Paints, Hyster Yale, Forbes Marshal, |
| PSU (Navratna) | GAIL India Ltd |
| International Placement | Ebara Corporation |

❖ ACHIEVEMENTS AND HONORS**➤ On Faculty Front****🏗 Department of Civil Engineering****• Dr. M. S. Ranadive**

- ✓ Nomination as member of Board of Studies of Civil Engineering department (Government College of Engineering Amravati)
- ✓ Nomination as member of Board of Studies of Civil Engineering and Applied Mechanics Dept. of S.G.S.I.T.S., Indore
- ✓ Nomination as member of Board of Studies of Civil Engineering department (Government College of Engineering Aurangabad)
- ✓ Nomination as member of Board of Studies of Civil Engineering department (Kolhapur Institute of Technology's College of Engineering, Kolhapur)
- ✓ Nomination as member of Board of Studies of Civil Engineering department (Tatyasaheb Kore Institute of Engineering and Technology, Warananagar)
- ✓ Nomination as member of Board of Studies of Civil Engineering department (Pimpri Chinchwad College of Engineering Pune)

• Dr. Suhasini N. Madhekar

- ✓ A Silver medal certificate for successfully completing the NPTEL online course on Natural Hazards with score of 83%.

• Dr. S. M. Nawghare

- ✓ Selected for the "Alumni Distinguished Faculty Fellow Award"- Civil for the year 2020-23
- ✓ Awarded Ph.D. from IIT Bombay

• Dr. S. K. Goudar

- ✓ Awarded Ph.D. from SVNIT, Surat

• Prof. Pratap Raval

- ✓ ASEM-DUO India Fellowship to visit Norwegian University of Science and Technology Trondheim, Norway 2020

🏗 Department of Computer Engineering and Information Technology**• Dr. (Mrs.) V Z Attar**

- ✓ Elevated to IEEE Senior Member Grade for significant contributions to the profession in June 2020.

- **Dr. Sachi Nandan Mohanty**

- ✓ Received Institutional Award on 62nd Annual Technical Session & 19th Prof. Bhubaneswar Behera Lecturer on 28th March 2021 from The Institution of Engineers (India) Odisha State Center, Bhubaneswar.
- ✓ Rewarded as, Editorial Board Member of Journal Frontiers in Big Data Recommender System,
- ✓ Received Fellowship, from Nikhil Bharat Shiksha Parisad, Ministry of Corporate Affairs Govt of India, on 19th Jan 2021 also from The Institute of Engineers (India), in 2021.

- ✚ **Department of Electronics and Telecommunication Engineering**

- **Prof. Mukul Sutaone**

- ✓ Guest Editor, Journal of Institution of Engineers-J-IEI (Series-B) for a special issue on 'Pervasive Impact of Pandemic: A Scientific Analytical Study.'

- ✚ **Department of Instrumentation and Control Engineering**

- **Dr. Mrs. Amruta Deshpande**

- ✓ Awarded Ph.d Degree

- ✚ **Department of Mathematics**

- **Dr. J. T. Majithia**

- ✓ Awarded Ph.d Degree

- ✚ **Department of Manufacturing Engineering and Industrial Management**

- **Jayant S. Karjgikar**

- ✓ Awarded Ph.d Degree

- **Dr. B Rajiv**

- ✓ Organised 3-days Workshop on Quality and Reliability Management from 22nd Dec to 24th Dec 2020 for Officers of Ammunition Factory.
- ✓ Organized AICTE Sponsored ATAL Online FDP on Systems Engineering from 1st Feb to 5th Feb 2021.

- **Dr. M. D. Jaybhaye**

- ✓ Organized AICTE Sponsored ATAL Online FDP on Robotics for CBSE Teachers from 23rd Nov -27th Nov 2020.

- ✚ **Department of Mechanical Engineering**

- **Dr. Sujit S. Pardeshi**

- ✓ Best paper award at International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), VIT Vellore.

- **Mr. Abhishek D. Patange**

- ✓ Best paper award at International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), VIT Vellore.

- ✚ **Department of Metallurgy and Materials Science**

- **Dr. N. B. Dhokey**

- ✓ Indian Institute of Metals Fellowship was conferred on 24 Feb in virtual mode at IITB during 58th NMD award ceremony and 74th Annual Technical Meeting.

- **Mr. V. T. Thavale**

- ✓ Best Paper award at Advances in Advances in Materials Processing & Manufacturing Applications (iCADMA 2020).

- **Ms. Rishika Verma**

- ✓ Best Oral Presentation at the International Conference on “Cutting-edge Research in Material Science and Chemistry (CRMSC-2021)” organized by Department of Chemistry and Biosciences, School of Basic Sciences, Manipal University Jaipur.

- **Dr. (Mrs.) V. S. Poddar**

- ✓ Best Oral Presentation at the International Conference on “Cutting-edge Research in Material Science and Chemistry (CRMSC-2021)” organized by Department of Chemistry and Biosciences, School of Basic Sciences, Manipal University Jaipur.
- ✓ 1st Position in Suraksha: Sheeraz & Kaushik Memorial Safety Quiz 2021.

➤ **On student's Front**

✚ **Department of Civil Engineering**

• **Mr. Gaurav Pawar**

- ✓ Late Ashok Bapat Prize for M. Tech Dissertation' for year 2020-21 by Alumni Association of COEP.

• **Mr. Sandesh Barbole, Mr. Prashant Sudani, Mr. Suyog Nikam, Mrs. Manisha Waghmare, Mr. Raobahadur Patil, and Vijay Wairagde**

- ✓ best paper award in an Online International Conference ACTM-2021.

• **Ishika Pal**

- ✓ Won Best Presentation Award at IIT Roorkee SPARC Summer Internship 2020.

• **Kaveri Gaikwad**

- ✓ NOSPLAN 2021-1st position in Live Debate Competition.

• **Chidambari Kulkarni**

- ✓ NOSPLAN 2021- 2nd position in Kar keDikhao (Drama) competition.

• **Ms.Harshali Patil and Ms.Ishika Pal**

- ✓ Most innovative award for "The Resilient Cities We Need" at Urban Lab Competition organised by National Institute of Urban Affairs.

• **Ambadas B Maske, Vaishnavi Uday Honap**

- ✓ Research Paper Published in the International Journal "Natural Resources Forum" a United Nations Sustainable Development Journal.

• **Vaishnavi Honap**

- ✓ Paper published in 68th National Town and Country Planners Congress on Urban and Regional Planning implementation initiatives.

• **Sreekar Maddala**

- ✓ Wrote an article on the topic "city as a financial institution." Which was published on international site Medium.com.

• **Siddhi Shisode**

- ✓ Top 4 finalists in nonschools category in PAN London Novice International Debate Tournament.

🚩 Department of Computer Engineering & Information Technology

- **Ved Dandekar, Naman Modi, Pranav Jogalekar, Vasu Sharma, Anup Nair, Savan Nahar**
 - ✓ Successfully developed "A mobile based video conferencing app". The Team won the National Level completion conducted by the NGO "Research for Resurgence Foundation, Nagpur" and "IIT, Ropar" bagging First prize of Rs. 5.00 lacs, in August 2020.

- **Kartik Naresh Mandhan**
 - ✓ Bagged trophy of Jr. Winner in Codequest held by CSI COEP.

- **Atharva Lohangade**
 - ✓ Published his research work in International Astronautical Congress (IAC 2020) organized by IAF (Oct 2020.)

- **Akanksha Sanjay Mahajan**
 - ✓ Winner at Geek-o-code Competition National level competition on 22nd June 2021.

- **Mayank Vardhaman Jain and Naman Dhiren Modi**
 - ✓ National Winners for Techzards - Vista, IIM Bangalore held on 1st Nov 2020.

- **Dhruv Piyush Shah**
 - ✓ Gate Score 740 , AIR 465 (Gate Computer science 2021.)

- **Naman Dhiren Modi**
 - ✓ Judge & Mentor (Microsoft Azure Champ Prize - Hack for Good category) at University of Waterloo's Hack the North Hackathon - Canada's Largest Students Hackathon - Jan 2021.

- **Yash Gajanan Manjulkar**
 - ✓ Ranked 19th Globally in NULLCON International CTF Competition in March 2021.

- **Rohit Chaudhari, Viraj Jadhav, Prajwal Adsul**
 - ✓ Bagged Runner Up trophy in Inerve 2021 Hackathon, AIT, Pune also received 2nd Runner Up position at HackEd 2021 Hackathon, Christ College of Engineering.

- **Rohit Chaudhari, Viraj Jadhav, Prajwal Adsul**
 - ✓ 2nd Runners up, HackEd 2021 Hackathon, Christ College of Engineering, 6th Feb 2021.

- **Naman Modi, Shreya Singhal, Ved Dandekar**

- ✓ 1st runner up in Technical Paper Presentation competition at National Level Technical Symposium "Technocrats 2021".

- ✚ **Department of Electrical Engineering**

- **Pritam Waghode**

- ✓ Formula Bharat 2020 - Overall 2nd in Electric Vehicle Category (Team Octane Racing Electric),
- ✓ Formula Green 2020- Overall 2nd in India, 1st in Design and Cost event (Team Octane Racing Electric)
- ✓ Formula Bharat 2021 - Overall 7th in Electric Vehicle Category (Team Octane Racing Electric)

- **Pravin Maragale**

- ✓ Received Gold Honour and was placed among the top 3% participants from all over the world at the IAAC 2020 (International Astronomy and Astrophysics Competition.)
- ✓ Received Gold Honour and was placed among the top 2% participants from all over the world at the IYMC 2020 (International Youth Math Challenge.)

- ✚ **Department of Electronics and Telecommunication Engineering**

- **Manasi Diwate**

- ✓ IdeaS Academic Excellence Award 2020.

- **Swati Bidwalkar**

- ✓ first prize in table tennis competition held by Army Institute of Technology.

- **Subhojit Halder**

- ✓ Silver Honour in International Astronomy Olympiad and Gold Honour and world ranking 136 in international Maths Competition.

- **Anushka Kadam**

- ✓ winner of Hackathon competition at Government College of Karad.

- **Ankita Mahajan**

- ✓ 1st prize in project competition at SGGS college Nanded and MGM polytechnic Aurangabad.

- **Anirudh Gaikwad, Mihir Kulkarni and Mihir Deshmukh**

- ✓ Judge's Special award in National Robocon 2021.

- **SakshiMalu and Daksha Kasliwal**
 - ✓ First in the Gilbarco Veeder Root Innovathon 2020
- **Mohit Bhaiyya**
 - ✓ Best prop dance award in Firodia Karandak 2020

Department of Instrumentation and Control Engineering

- **Devang Pingale, Rohan Ghadge**
 - ✓ got elected as team member for event management by IEEE Pune student council 2021
- **Chetan Patrabe**
 - ✓ Winner at 'Electrade' event, Mindspark 21.
- **Aditya Patil**
 - ✓ Winner at 'Circuit fixer' Minspark 21.
- **Krishna Saboo, Rucha Mangsule**
 - ✓ Published a research paper in IEEE International Conference on Emerging Smart Computing and Informatics, 12-14 March 2021, Pune.
- **Satyam Ghogre**
 - ✓ Published a research paper in 6th International conference for Convergence in Technology, 2021.
- **Manali Durgule**
 - ✓ Accepted a research paper in Global Conference on Space Exploration (GLEXP 2021).

Department of Manufacturing Engineering and Industrial Management

- **Ms. Mrunali Panzade**
 - ✓ 2nd Runner Up for STAR Hackathon (Science & Technology for agriculture and Rural Development) organised by Vishwakarma institute of information technology, Pune.

Department of Mechanical Engineering

- **Ameya Zarkar**
 - ✓ Best paper award to International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), VIT Vellore.
- **Kshitiz Verma**

- ✓ Best paper award to International Virtual Conference on Intelligent Robotics, Mechatronics and Automation Systems (IRMAS 2021), VIT Vellore.
- **Sohel Shaikh, Salman Shaikh**
 - ✓ Won 1st prize in Undergraduate Presentation Skill Contest (UPSC) organized by SOMME.
- **Aayush Kaul, Juber Shaikh**
 - ✓ Selected till penultimate round in SOMME Undergraduate Presentation Skill Contest 2020.
- 🚩 **Department of Metallurgy and Materials Science**
 - **Shaunak Dhekane**
 - ✓ 2nd prize at the English Essay Writing Competition organized by COEP Debate and Quiz Club on 2nd April 2021.

❖ **FACULTY DETAILS**

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---------|----------------------------|--|-----------------------------------|---|
| 1 | Dr. (Mrs.) M. Y. Khaladkar | Ph D (Chemistry) | Associate Professor of Chemistry | Analytical Instrumentation, Electronic Materials, Waste of Energy, Sustainable development |
| 2 | Mrs.Nandini V. Iyer | M.Sc (Biochemistry), B.Ed | Assistant Professor of Chemistry | Conducting Polymers, Material Chemistry, Polymers, Environmental Chemistry |
| 3 | Dr. Mahesh Shindikar | Ph.D. (Botany) | Assistant Professor of Biology | Environmental analysis, waste management, Policy issues |
| 4 | Dr. (Mrs.) Kavita Suranje | Ph.D. (Chemistry) | Assistant Professor of Chemistry | Non-conventional energy devices, Sustainable material development |
| 5 | Dr. Ganesh Agawane | PhD (Materials' Chemistry) | Assistant Professor of Chemistry | Thin film solar cells, Photonics, Photovoltaics, Nanotechnology, Green Chemistry, Ceramics, Metallurgy |
| 6 | Dr. Chandan Patel | PhD (Chemistry) | Adjunct Faculty of Chemistry | Computational Investigations of Chemical Reactions, Protein-Ligand Interactions |
| 7 | Dr. (Mrs.) Ketaki Kamble | PhD (Life science) | Assistant Professor of Biology | Biomechanics, immunology, environment management technologies and systems |
| 8 | Dr. (Mrs.) Kshipra Moghe | Ph.D. (Psychology) | Assistant Professor of Psychology | Mental Health related issues, Inter-personal relationship studies, Cognition, Youth study |
| 9 | Mrs. Tanuja Kher | M.Phil. | Assistant Professor of Psychology | Life Skills, Counselling Skills |
| 10 | Mr. Anvay Aher | MA (Psychology), NET | Assistant Professor of Psychology | Mental disorders, art therapies, |
| 11 | Mrs. Aparna Khandekar | MPhil English (Pursuing); MPM; NET in Management | Adjunct Professor | Language Teaching and Training, Material Development and Testing in English Language, Business English and ESP, HRM and OB, |
| 12 | Dr. (Mrs.) Leena Jadhav | Ph.D (Applied Linguistics), SET (English) | Adjunct Faculty | Syntax, Morphology, Phonetics, Second Language Acquisition, ESP, Business English, ELT, Training & Assessment |
| 13 | Mr. Avinash Khandizod | MPhil (Applied Linguistics) | Adjunct Professor of English | Applied Linguistics, English Language Teaching, |
| 14 | Mrs. Viveka Singh | M.A (English) | Adjunct Faculty of English | ELLT, Applied Linguistics, Communication and Soft Skills |

| 15 | Mrs. Shalaka Deshpande | LLM | Adjunct Professor | Intellectual Property Rights |
|--|---------------------------|--------------------------------|-------------------------------|---|
| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
| Department of Civil Engineering | | | | |
| 16 | Dr. M. S. Ranadive | Ph.D. | Professor | Transportation Engineering |
| 17 | Prof. Dilip M. Bhat | M.E. | Professor in Practice | Rail and Metro Engineering |
| 18 | Dr. P. A. Sadgir | Ph.D. | Professor | Environmental Engineering |
| 19 | Mr. A. R. Akhare | Ph.D. Structural Engg. Ongoing | Asst. Prof. Applied Mechanics | Structural Engineering |
| 20 | Mr. D. L. Patil | M.E. | Adjunct Professor | Construction Management |
| 21 | Dr. S. M. Nawghare | Ph.D. | Adjunct Faculty | Waste Materials, Ground improvement, soil stabilization, lightweight material |
| 22 | Dr. I. P. Sonar | Ph.D. (Civil Engineering) | Assistant Professor | Structural Engineering. Design of steel and concrete structures Structural Audit |
| 23 | Dr. K.K. Tripathi | Ph.D. | Assistant Professor | Geotechnical Engineering |
| 24 | Dr. R. K. Suryawanshi | Ph.D. | Emeritus Professor | Hydrology and Water Management |
| 25 | Dr. M. U. Khobragade | Ph.D. | Assistant Professor | All issues relayed with Environmental Engineering |
| 26 | Dr. (Mrs.) S. N. Madhekar | Ph.D. | Professor | Structural Engineering |
| 27 | Mrs. Y. T. Lomtepatil | M. E. Ph.D (Pursuing) | Assistant Professor | Structural Engineering |
| 28 | Dr. R. R. Joshi | Ph.D. | Professor | Structural Engineering |
| 29 | Prof. B. G. Birajdar | M.E. | Professor | Structural Engineering |
| 30 | Dr. S. S. Bhosale | Ph.D. | Professor | Geotechnical Engineering |
| 31 | Dr. K. A. Patil | Ph.D. | Professor | Water Resource Engineering |
| 32 | Dr. (Mrs.) A. D. Thube | Ph.D. | Associate Professor | Water Resource Engineering |
| 33 | Dr. Y. A. Kolekar | Ph.D. | Associate Professor | Geotechnical Engineering |
| 34 | Dr. N. A. Hedao | Ph.D. | Associate Professor | Construction Management |
| 35 | Dr. R. S. Dalvi | Ph.D. | Professor | Geotechnical Engineering |
| 36 | Dr. (Mrs.)V. B. Dawari | Ph.D. | Assistant Professor | Structural Engineering |
| 37 | Dr. (Mrs.)H. K. Munot | Ph.D. | Assistant Professor | Structural Engineering |

| | | | | |
|----|----------------------|-------|---------------------|-------------------------|
| 38 | Dr. (Mrs.)G. S. Vyas | Ph.D. | Assistant Professor | Construction Management |
|----|----------------------|-------|---------------------|-------------------------|

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|--|---------------------------------|-------------------------------------|---|---|
| 39 | Dr. N. M. Mohite | Ph.D. | Professor | Water Resource Engineering |
| 40 | Dr. V. D. Katare | Ph.D. | Adjunct Faculty | Construction Management |
| 41 | Dr. S. K. Goudar | Ph.D. | Adjunct Faculty | Structural Engineering |
| Planning Section, Department of Civil Engineering | | | | |
| 42 | Prof. Pratap Raval | PhD | Professor | Smart Densification, Planning and Developing Context Sensitive Urban Thoroughfares, Active transport safety on urban streets, Evaluation of Development Plan |
| 43 | Dr. Sanjaykumar G. Sonar | PhD | Assistant Professor & Controller of examination | Town Planning |
| 44 | Dr.(Mrs.)Arati Siddharth Petkar | PhD | Assistant Professor | Geographic Information System Applications, Transportation Planning, Spatial Analysis, Urban Resilience, Issues related to Housing |
| 45 | Mr.Yogesh M. Keskar | M.Tech in Town and Country Planning | Assistant Professor | Housing and Real Estate, Area Planning,Infrastructure Planning, Planning Legislation,Smart Cities and Smart Neighbourhoods |
| 46 | Mrs. Amruta Deshpande Kakirde | M.Plan | Assistant Professor | Sustainable Transportation Policies, Interrelation of Non motorized Transportation and Livability, Green Mobility, Urban Design Role of Electric mobility in Sustainable Urban Mobility Planning |
| 47 | Mrs. Neha Verma | Masters in Regional Planning (MRP) | Assistant Professor | Public health, Housing, Real Estate, Government Schemes |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---------|----------------------------|-------------------------------------|---------------------|--|
| 48 | Mrs. Snehal Bansode | M.Tech in Town and Country Planning | Adjunct Faculty | Traffic and Transportation Planning, Rural Development and Planning, Solid Waste Management, Open Space Planning, Land Valuation, Tourism Planning, Infrastructure Planning |
| 49 | Mrs.Prajakta Sonar | M.Plan | Assistant Professor | Sustainable Urban Planning, Transport Planning, GIS Applications in Planning Urban Transformation Regional Planning |
| 50 | Ms.Pooja Gandhile | M.Tech in Town and Country Planning | Adjunct Faculty | Ecology & Environment, Land use Planning, Facility Planning, Housing |
| 51 | Mrs.Shubhangi M. Thakre | M.Tech in Town and Country Planning | Adjunct Faculty | Town & Country Planning |
| 52 | Ms.Isha P. Panse | M.Tech in Town and Country Planning | Adjunct Faculty | Social Sustainability Informal sector and their Activities, Application of Design Thinking in Planning Urban Aesthetics |
| 53 | Mr.Jaysing Mahadeo Jadhav | M.Tech in Town and Country Planning | Adjunct Faculty | Traffic & Transportation planning, Geo-informatics for planning. Physical planning, Disaster Management |
| 54 | Mr.Bhalsing Suresh Shivaji | M.Tech in Town and Country Planning | Adjunct Faculty | Environmental Planning, Infrastructure Planning, Solid Waste Management, Transportation Planning, Policy Planning (Government schemes/ Yojana) Housing, Urban Governance |
| 55 | Ms.Lisha Bendre | M.Plan | Adjunct Faculty | Housing & Real Estate Land use, Environment (Urban resilience, Climate Change & Disaster management), Urban Infrastructure (Solid waste management & water supply), Smart Cities |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|--|----------------------------|-----------------------|---------------------|--|
| Department of Computer Engineering & Information Tehcnology | | | | |
| 56 | Mr.A.A.Sawant | M E | Professor Emeritus | Microprocessors, Computer Organizations |
| 57 | Prof. (Mrs.) Jibi Abraham | Ph. D. | Professor | Cloud, networking, security |
| 57 | Dr. (Mrs.) V.S. Inamdar | Ph. D. | AssociateProfessor | Machine learning, Deep learning for Image proceesing, computer vision |
| 58 | Dr. (Mrs.) V. Z. Attar | Ph. D. | Associate Professor | Data mining, Machine Learning |
| 59 | Dr. V.K. Pachghare | Ph. D. | Associate Professor | Network Security, cryptography/ Cloud Security |
| 60 | Dr. (Mrs.) Y.V. Haribhakta | Ph. D. | Associate Professor | Natural Language Processing, Deep Learning, Computer Vision |
| 61 | Dr. S. B. Mane | Ph. D. | Associate Professor | Data Security, Security Issues in Cloud Computing (Database as a Service) |
| 62 | Dr.S.N.Mohanty | Ph. D. | Associate Professor | Deep Learning, Machine Learning |
| 63 | Mr. S. P. Gosavi | M Tech | Assistant Professor | Computer Algorithms, Graph Theory |
| 64 | Mr. S. N. Ghotkar | B. E. | Assistant Professor | System Programming, Operating System |
| 65 | Dr. D.D. Kshirsagar | Ph.D | Assistant Professor | Information and Cyber Security |
| 66 | Mr. S. K. Gaikwad | M Tech | Assistant Professor | Computer network, Mobile Computing |
| 67 | Mr. S.S. Kumbhar | M. Tech. | Assistant Professor | Data Mining /Machine/Deep learning, Virtualization and Networking, Block Chain |
| 68 | Mr. Abhijit. A. M. | M.E. | Assistant Professor | Computer Networks, Cyber Security, Operating Systems, Web Technologies, Databases, Data Privacy |
| 69 | Mr. A.D.Joshi | M Tech | Assistant Professor | Parallel and Distributed Computing |
| 70 | Ms. A.B. Patil | M Tech | Assistant Professor | Data Mining, Machine Learning, Deep Learning |
| 71 | Smt. A. S. Biswas | M Tech | Assistant Professor | Artificial Intelligence, Machine Learning, Deep Learning, Pattern Recognition, Computer Vision, Image Processing |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---------|-------------------------|-----------------------|---------------------|--|
| 72 | Mrs. T. R. Pattanshetti | M Tech | Assistant Professor | Machine learning |
| 73 | Mrs.S.N.Ghosh | M Tech | Assistant Professor | Enhancing QoS in memory hierarchy especially cache memory |
| 74 | Mr. S. T. Sawant | M Tech | Assistant Professor | Machine Learning, Deep Learning, Geospatial Technologies, Remote Sensing, Satellite data analytics and Computer Vision |
| 75 | Mr. V. K. Khatavkar | M E | Assistant Professor | Natural Language Processing and understanding |
| 76 | Mr. V. M. Khadse | M E | Assistant Professor | Machine learning for data Analytics |
| 77 | Mr. A. R. Khobragade | M Tech | Assistant Professor | AI, Deep Learning, Machine Learning |
| 78 | Mrs. P. R. Deshmukh | M Tech | Assistant Professor | Natural Language Processing, Machine Learning |
| 79 | Mr. H. D. Gadade | M Tech | Assistant Professor | Data Mining, Machine Learning, Networking |
| 80 | Mrs. T. V. Ugale | M Tech | Assistant Professor | Informations Systems and Security |
| 81 | Mrs. V. V. Kamble | M E | Assistant Professor | Natural Language Processing. |
| 82 | Mr. R. B. Adhao | M Tech | Assistant Professor | Feature selection using machine learning |
| 83 | Mrs. R. Y. Sarode | M Tech | Assistant Professor | networking and network security |
| 84 | Mrs. S. D. Rathod | M Tech | Assistant Professor | Embedded systems, Computer Graphics |
| 85 | Mrs. Nikita Mahajan | M Tech | Assistant Professor | Cloud computing and Big Data |
| 86 | Mr. P. F. Pawar | M Tech | Assistant Professor | Object oriented programming, Theory of Computation |
| 87 | Mrs. J. R. Waykole | ME | Assistant Professor | Object oriented programming |
| 88 | Mr. S. A. Hirve | M Tech | Assistant Professor | Cyber Security, Distributed System, Network & Information Security |
| 89 | Ms. K. V. Pawar | ME | Assistant Professor | AI, Deep Learning, Machine Learning |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---|-------------------------|------------------------------------|---------------------|--|
| 90 | Mr. S. D. Patil | PhD | Assistant Professor | System Programming, Networking |
| 91 | Mr. P. R. Chandore | M Tech | Adjunct Faculty | OOP, Deep Learning, Machine Learning |
| 92 | Mrs. A. S. Matange | M Tech | Adjunct Faculty | Data Structures, OOP |
| 93 | Mrs. S. P. Kalamkar | ME | Adjunct Faculty | Deep Learning, Machine Learning, Data Structures |
| 94 | Mrs. S. P. Tidke | M.E. | Adjunct faculty | Database, Web Technologies |
| 95 | Mr. Khushal Khairnar | ME | Adjunct faculty | Image Processing, Deep Learning, Augmented Reality, Data Science and Analytics |
| Department of Electrical Engineering | | | | |
| 96 | Mrs. V. B. Bhole | M. E. (Control System) | Assistant Professor | Control System |
| 97 | Dr. S. S. Damhare | Ph. D. (Electrical Engineering) | Professor | Power Systems, Protection, Smart Grid |
| 98 | Dr. A. P. Deshpande | Ph. D. (Electrical Engineering) | Associate Professor | Power electronics, Wind and Solar Energy, Measurement and Instrumentation |
| 99 | Mrs. S. P. Ghanegaonkar | Ph. D. (Electrical Engineering) | Associate Professor | Power Systems, Protection, Distribution Systems, Optimization |
| 100 | Dr. (Mrs.) S. V. Jadhav | Ph. D. (Electrical Engineering) | Associate Professor | Control Systems, Electric Drives |
| 101 | Mr. S. M. Kakade | M. Tech. (Electronics - Computers) | Assistant Professor | Computational Haptics, Image Processing, Video Processing, Embedded Systems |
| 102 | Dr. (Mrs.) S. R. Kurode | Ph. D. (Electrical Engineering) | Associate Professor | Robust Control and Estimation, Control of under actuated systems, Motion control system, Control of converters, solar energy, biological systems |
| 103 | Dr. (Mrs.) U. M. Mate | Ph. D. (Electrical Engineering) | Associate Professor | Wind and Solar Energy, Power Systems, Control of converters |
| 104 | Dr. (Mrs.) Meera Murali | Ph.D. (Electrical Engineering) | Assistant Professor | Power Electronics, Power Systems, FACTS, Electric Vehicle |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|--|--------------------------|---------------------------------|---------------------|---|
| 105 | Dr. V. N. Pande | Ph. D. (Electrical Engineering) | Associate Professor | Power System |
| 106 | Dr. (Mrs.) V. S. Rajguru | Ph. D. (Electrical Engineering) | Associate Professor | Control Systems, Control of converters |
| 107 | Mrs. A. V. Tare | M. E. (Electrical Engineering) | Assistant Professor | Control Systems, Fractional order control, power system stability |
| 108 | Dr. (Mrs.) A. G. Thosar | Ph. D. (Electrical Engineering) | Professor | Control Systems, Renewable Energy Sources |
| 109 | Dr. R. T. Ugale | Ph.D. (Electrical Engineering) | Assistant Professor | Electrical Machines, Drives, Power distribution systems |
| 110 | Dr. (Mrs.) S. V. Unde | Ph. D. (Electrical Engineering) | Assistant Professor | Power Systems, Protection, Smart Grid |
| 111 | Dr. P. N. Gawande | Ph. D. (Electrical Engineering) | Assistant Professor | Power Systems, Power System Dynamics. |
| 112 | Mr. M. D. Bagewadi | M. Tech. | Adjunct Faculty | Power Electronics and Drives and control systems Engineering |
| 113 | Mr. R. S. Kulkarni | M. Tech. (Control System) | Adjunct Faculty | Renewable Energy Sources |
| 114 | Mr. A. S. Salvi | M. Tech. (Power Systems) | Adjunct Faculty | Power Electronics, Machines |
| Department of Electronics and Telecommunication Engineering | | | | |
| 115 | Prof. (Mrs.) P.P.Rege | PhD | Professor | Image Processing |
| 116 | Prof. M.S.Sutaone | PhD | Professor | Image Processing |
| 117 | Dr. S.P.Mahajan | PhD | Associate Professor | Speech Processing |
| 118 | Dr. P.P.Bartakke | PhD | Associate Professor | Embedded Signal Processing |
| 119 | Dr. R.A Patil | PhD | Associate Professor | Computer Network |
| 120 | Mr. G.K.Andurkar | ME | Associate Professor | Microprocessor and Embedded System |
| 121 | Dr. (Mrs.) V.S.Vyas | PhD | Associate Professor | Image Processing |
| 122 | Dr. (Mrs.) R.D.Joshi | PhD | Associate Professor | Wireless Sensor Network |
| 123 | N. R. Kolhare | ME | Associate Professor | Signal Processing and Communication |
| 124 | Dr. (Mrs.) V.V. Ingale | PhD | Associate Professor | VLSI design |
| 125 | Mrs. A G Andurkar | ME | Assistant Professor | Communication |
| 126 | Dr. (Mrs.) P.P.Shingare | PhD | Assistant Professor | Image Processing |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|--|------------------------------|-----------------------|---------------------|---|
| 127 | Dr. (Mrs.) S.P.Metkar | PhD | Assistant Professor | Video processing |
| 128 | Dr. (Mrs.) V.N.More | PhD | Assistant Professor | Pattern Recognition |
| 129 | Mrs. Y.M.Vaidya | M.Tech | Assistant Professor | Embedded System |
| 130 | Mrs. D.V.Niture | M.Tech | Assistant Professor | Antenna design |
| 131 | Dr. (Mrs.) V.S.Agarwal | Ph.D | Assistant Professor | VLSI Design |
| 132 | Mr. S.G.Mali | M.Tech | Assistant Professor | Audio Processing |
| 133 | Dr. (Mrs.) R.K.Patole | M.Tech | Assistant Professor | Audio Processing |
| 134 | Dr. Abhishek Bhatt | Ph.D | Associate Professor | Signal Processing and Machine Learning |
| 135 | Mr. R.V.Sadakale | M.Tech | Adjunct Faculty | Computer Network |
| 136 | Dr. (Mrs.) R.C.Mahajan | Ph.D | Adjunct Faculty | Communication, Antennas |
| 137 | Mrs.A.A.Kulkarni | M.E. | Adjunct Faculty | VLSI |
| 138 | Dr. A.D.Gupta | Ph.D | Adjunct Faculty | Image processing, Biomedical Signal processing |
| Department of Instrumentation and Control Engineering | | | | |
| 139 | Dr. D. N. Sonawane | PhD, Post doc | Associate Professor | Embedded Systems and Embedded Control |
| 140 | Dr. S. D. Agashe | PhD | Professor | Process Instrumentation and Industrial Automation |
| 141 | Dr. S. L. Patil | PhD | Professor | Power Electronics and DC-DC Convertors |
| 142 | Dr. C. Y. Patil | PhD | Professor | Digital Signal Processing |
| 143 | Dr. P. D. Shendge | PhD | Associate Professor | Control System |
| 144 | Dr.(Mrs.) R. P. Mudhalwadkar | PhD | Asst. Pprofessor | Sensor Design and Analytical Instrumentation |
| 145 | Dr. U. M. Chaskar | PhD | Asst. Pprofessor | Image Processing and Biomedical Instrumentation |
| 146 | Dr. (Mrs.) KalyaniBhole | PhD | Asst Professor | Biomedical Signal Processing |
| 147 | Mrs. MeeraKhandekar | PhD (Pursuing) | Asst Professor | Process Instrumentation |
| 148 | Mrs. KetakiGhodinde | PhD (Pursuing) | Asst Professor | Building Automation, Sensor Development |
| 149 | Dr. (Mrs.) Amruta Deshpande | PhD | Asst Professor | Solar Energy and Control Systems |
| Sr. | Name of the Faculty | Highest | Designation | Area of Interest |

| No. | | Qualification | | |
|--|----------------------------|--------------------------|------------------------|--|
| 150 | Dr. Girish Lakhekar | PhD | Asst Professor | Control System |
| 151 | Ms. NikhilaPatil | M Tech | Asst Professor | Analytical Instrumentation |
| 152 | Dr. Sandeep Hanwate | PhD | Asst Professor | Control Systems |
| Department of Mathematics | | | | |
| 153 | Dr. K. V. Dalvi | Ph.D | Associate Professor | Graph Theory and Matroid Theory |
| 154 | Dr. (Mrs.) M. S. Dhande | Ph.D | Professor Emeritus | Information Theory |
| 155 | Dr. (Mrs.) C. M. Deshpande | PhD | Associate Professor | Discrete Maths, Graph Theory |
| 156 | Mrs. R. S. Kulkarni | MSc, MCA | Assistant Professor | Computational Mathematics Algorithms |
| 157 | Dr. (Mrs.) S. P. Kavishwar | PhD | Assistant Professor | Lattice Theory, Integral Transform |
| 158 | Mrs. A. B. Dhere | M.Sc. | Assistant Professor | Differential Equations and Transforms Technique |
| 159 | Mrs. N. V. Shinde | M.Sc. | Assistant Professor | Graph Theory and Coding Theory |
| 160 | Dr. Y. M. Mahatekar | PhD | Assistant Professor | Fractional Calculus, Numerical Analysis |
| 161 | Dr. J. T. Majithia | PhD | Assistant Professor | Commutative Algebra |
| 162 | Dr. P. M. Shinde | PhD | Assistant Professor | Cryptography, Coding theory, Spectral graph theory, Group divisible covering designs |
| 163 | Dr. P. U. Shikhare | PhD | Assistant Professor | Integral Differential Equations |
| 164 | Dr. D. N. Ghayatadak | MSc. | Adjunct Faculty | Probability Theory and Statistics |
| 165 | Dr. S. A. Tapadia | PhD | Adjunct Faculty | Discrete Mathematics, Graph Theory |
| Department of Manufacturing Engineering& Industrial Mangement | | | | |
| 166 | Dr. P. P. Chikate | Ph.D. (Mech. Engg.) | Professor Emeritus | Manufacturing, non-conventional manufacturing, metal forming, |
| 167 | Dr. H. Bagchi | Ph.D. (Mech. Engg.) | Professor Emeritus | Tribology, Metal cutting, machine tool |
| 168 | Dr. B. B. Ahuja* | Ph.D. (Mechanical Engg.) | Professor and Director | Robotics, Manufacturing Systems, Additive Manufacturing |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---------|--------------------------|-------------------------------|-----------------------------|---|
| 169 | Dr. P. D. Pantawane | Ph.D. (Production Engg.) | Associate Professor and HoD | Manufacturing Engineering, Metrology & Quality Control |
| 170 | Dr. (Mrs.) N. R. Rajhans | Ph.D. (Production Engg.) | Professor | Optimization and ergonomics |
| 171 | Dr. B. Rajiv | Ph.D. (Production Engg.) | Associate Professor | Non Conventional, Manufacturing |
| 172 | Dr. (Mrs.) A. V. Mulay | Ph.D. (Production Engg.) | Associate Professor | Reverse Engineering, Rapid Prototyping |
| 173 | Mr. Narendra Pawar | M.Tech. (Mechanical) | Professor of Practice | Product Design |
| 174 | Dr. M. D. Jaybhaye | Ph.D. (Mech. Prod. Engg.) | Associate Professor | Robotics, Reliability Engg. Manufacturing Automation |
| 175 | Dr. B. U. Sonawane | Ph.D. (Production Engg.) | Associate Professor | Tribology and Reliability Engineeing |
| 176 | Dr. S. S. Anasane | Ph.D. (Production Engg.) | Assistant Professor | Manufacturing Engineering, Product design, Electrochemical Micromachining |
| 177 | Dr. M. R. Dhanvijay | Ph.D. (Mech. Engg.) | Associate Professor | Mechatronics, Supply Chain Mgmt. MEMS |
| 178 | Dr. S. M. Patil | Ph.D. (Production Engg.) | Associate Professor | Manufacturing Engineering and Automation, Mechatronics |
| 179 | Mr. M. N. Shaikh | M.Tech. (Production Engg.) | Assistant Professor | Additive Manufacturing, Rapid Tooling |
| 180 | Dr. J. S. Karajagikar | Ph.D. (Production) | Assistant Professor | Maufacturing Engineering and Automation, Manufacturing. |
| 181 | Dr. Kishore Jawale | PhD | Assistant Professor | Metal forming, scientific computing, FEA, Manufacturing |
| 182 | Dr. Vikas Sisodia | Ph.D. (Mech. Engg.) | Assistant Professor | Advance Sheet metal forming, Advance manufacturing processes |
| 183 | Mr. S. U. Ghunage | M.Tech. (Production Engg.) | Assistant Professor | Manufacturing Engineering, Metrology & Quality Control |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---|------------------------------|-------------------------------------|---------------------|---|
| 184 | Mrs. Tripta Nair | M. Com., PGDBA, SAP Certified | Assistant Professor | ERP |
| 185 | Mrs. Vaishali Gaikwad | M. Com., PGDBA, SAP Certified | Assistant Professor | ERP |
| 186 | Dr. (Ms.) Ashwini M. Ramteke | PhD | Adjunct Faculty | Rapid Machining, Finite Element Analysis, CAD/CAM, Jig and Fixture design |
| 187 | Dr. Mayur Sawant | Ph.D. (Mech. Engg.) | Adjunct Faculty | Additive Manufacturing, Surface Coating, Welding |
| 188 | Mr. Sagar Shinde | M.Tech. (Production) | Adjunct Faculty | Machining of difficult-to-machine materials, Robotics |
| 189 | Mr. Jameer Bagwan | M.Tech. (Production) | Teacher Trainee | Manufacturing, Biomedical |
| Department of Mechanical Engineering | | | | |
| 190 | Dr. M. R. Nandgaonkar | Ph.D. (Mech. Engg.) | Professor | ICEngines, Computational Fluid Dynamics |
| 191 | Dr. S. N. Sapali | Ph.D. (Mech. Engg.) | Professor | Refrigeration, air conditioning and cryogenics |
| 192 | Dr. S. S. Mohite | Ph.D. (Mech. Engg.) | Professor | Vibration, Controls, MEMS |
| 193 | Dr. M. J. Sabale | Ph.D. (Mech. Engg.) | Professor | Heat Transfer, Gas Turbine, Thermodynamics |
| 194 | Dr. D. N. Malkhede | Ph.D. (Mech. Engg.) | Professor | IC Engines and control |
| 195 | Dr. R. M. Warkhedkar | Ph.D. (Mech. Engg.) | Associate Professor | Refrigeration, air conditioning |
| 196 | Dr. R. N. Ladhwe | Ph.D (Mech.Engg.) | Associate Professor | Theory of machine, Design |
| 197 | Dr. M. P. Khond | Ph.D. (Mech. Engg.) | Associate Professor | Quality Engineering, Fluid Machines and Power |
| 198 | Dr. V. K. Haribhakta | Ph.D (Mech.Engg.) | Associate Professor | Theory of machine, Design |
| 199 | Dr. P. R. Dhamangaonkar | Ph.D (Mech.Engg.) | Associate Professor | Heat Transfer, Steam Engineering |
| 200 | Dr. A P. Bhattu | Ph.D (Mech.Engg.) | Associate Professor | Vibrations and Acoustics |
| 201 | Dr. (Ms.) S. S. Bhavikatti | Ph.D (Mech.Engg.) | Associate Professor | Theory of machine, Dynamics |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---------|-----------------------------|------------------------|---------------------|--|
| 202 | Dr. N. K. Chougule | Ph.D (Mech.Engg.) | Associate Professor | Simulation, Fluid Mechanics, CAE –CAD |
| 203 | Dr. (Mrs.) Madhuri G Karnik | Ph.D. (Mech.Engg.) | Associate Professor | Design and Manufacturing |
| 204 | Dr. S. S. Pardeshi | Ph.D. (Mech.Engg.) | Associate Professor | Micro manufacturing, Mechanism |
| 205 | Dr. S. S. Ohol | Ph.D. (Mech.Engg.) | Associate Professor | Robotics |
| 206 | Dr. S. B. Patil | Ph.D. (Mech.Engg.) | Associate Professor | Micromachining, Laser welding |
| 207 | Dr. Shankar Durgam | Ph.D. (Mech.Engg.) | Associate Professor | Heat Transfer, Energy |
| 208 | Dr. S. V. Lahane | Ph.D. (Mech.Engg.) | Associate Professor | Heat Transfer, Energy, IC Engine |
| 209 | Dr. (Mrs.) P. H. Selmokar | Ph. D (Mech. Engg.) | Assistant Professor | Mechatronics |
| 210 | Mr. N. P. Dale | B.E. (Mech) | Assistant Professor | IC Engine |
| 211 | Mr. N. D. Dhote | M.E. (Design.) | Assistant Professor | Design and Manufacturing |
| 212 | Mr. S. V. Wagh | M.TECH. | Assistant Professor | Design and Manufacturing |
| 213 | Dr. P. S. Shinde | Ph.D (Mech.Engg.) | Assistant Professor | Modeling, Stress analysis |
| 214 | Mr. H. P. Shinde | M.Tech. (Design) | Assistant Professor | Composites, CAD-CAM-Design Analysis |
| 215 | Mrs. S. S. Mundra | M.E (CIM) | Assistant Professor | CAD_CAM |
| 216 | Mr. S.M. Kadam | M. E. (Heat Power) | Assistant Professor | IC Engines |
| 217 | Dr. N. D. Shikalgar | Ph.D. (Mech. Engg.) | Assistant Professor | Refrigeration, air conditioning, Fluid Power |
| 218 | Dr. Vishal Bhalla | Ph.D. (Mech. Engg.) | Assistant Professor | Solar Energy, Thermal |
| 219 | Ms Priyanka Suryawanshi | M.Tech. Mechanical | Assistant Professor | Design and Vibration |
| 220 | Dr. Prashant Deshmukh | Ph.D. (Mech.Engg.) | Adjunct Professor | CFD, Fluid Dynamics |
| 221 | Mr. Abhishekh Patange | M.Tech. Mechanical | Adjunct Professor | Design, Micro Machining |
| 222 | Mrs Nikita Gawai | M.Tech. (Design) | Adjunct Professor | Design and FEM |
| 223 | Mr. S. N. Tapase | M. Tech (Thermal) | Adjunct Professor | Fluid Machinery, Thermal |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|---|----------------------|--------------------------|---------------------|---|
| 224 | Dr. Prashant Kumar | Ph.D. (Mech.Engg.) | Professor Emeritus | Composites, Stress analysis |
| 225 | Dr. Dhanajay Kumar | Ph.D. (Mech.Engg.) | Professor Emeritus | Electric Mobility |
| 226 | Dr. J. B. Doshi | Ph.D. (Nuclear Engg.) | Professor Emeritus | Nuclear Engineering |
| Department of Metallurgy and Materials Science | | | | |
| 227 | Dr. S. P. Butee | Ph.D. | Professor & Head | Electro-Ceramics, Characterization techniques |
| 228 | Dr. N. B. Dhokey | Ph.D. | Professor | Tribology, Powder metallurgy, Energy Materials, Soft Magnetic materials, Cryotreatment of materials |
| 229 | Dr. M. J. Rathod | Ph.D. | Professor | Material joining and Laser material processing |
| 230 | Dr. S. T. Vagge | Ph.D. | Professor | Corrosion and Surface Engg. |
| 231 | Mrs. S. U. Dangrikar | M.E. | Associate Professor | Heat Treatment, Metal Working |
| 232 | Dr. P. P. Deshpande | Ph.D. | Associate Professor | Conducting polymers and corrosion control of Steels |
| 233 | V. T. Thavale | M.E. (Metallurgy) | Assistant Professor | Powder Metallurgy, Nuclear Materials, Foundry Technology |
| 234 | Mrs. M. G. Kulthe | M.E. (Metallurgy) | Assistant Professor | Polymer matrix micro and nano composites |
| 235 | R. S. Ranade | M.E. (Metallurgy) | Assistant Professor | Foundry Technology, Extractive Metallurgy, Non-Destructive Testing |
| 236 | Dr. A. M. More | M. Tech. | Assistant Professor | Physical Metallurgy, Metal Forming |
| 237 | Mr. K. Kamble | M.Tech | Assistant Professor | Ceramic processing, Electroceramics, ionic conductors, composite materials |
| 238 | Dr. S. B. Sarkar | Ph.D. | Emeritus Professor | Fatigue and Fracture Study, Advanced Steel Making |

| Sr. No. | Name of the Faculty | Highest Qualification | Designation | Area of Interest |
|------------------------------|-------------------------------|-----------------------|---------------------|---|
| 239 | Dr. Madhu Ranjan | Ph.D. | Emeritus Professor | Forging Technology, Solidification Processing and Materials Joining, Mechanical Behaviour of Materials. |
| 240 | Dr. (Mrs.) V. S. Poddar | M.Tech | Associate Professor | Wire Tech, Electronic and Magnetic Materials, Materials Characterization |
| 241 | Dr. P. G. Ranaware | Ph.D. | Adjunct Faculty | Heat Treatment, Mathematical modeling of materials |
| 242 | Mrs. Rishika Verma | M.Tech | Adjunct Faculty | Nanomaterials, Polymer composites |
| 243 | Mr. Appasaheb Pacharne | M. Tech | Adjunct Faculty | Heat Treatment, Wire Drawing, Biomedical material, Corrosion Protection |
| 244 | Dr. P. R. Khangaonkar | Ph.D. | Visiting Faculty | Physical Metallurgy |
| Department of Physics | | | | |
| 245 | Dr. Ramesh B Kamble | Ph. D. | Assistant Professor | Metal oxide nano composites |
| 246 | Dr. (Mrs.) Lata V Ekhande | Ph. D. | Assistant Professor | Nano-materials, Oxides, magnetism |
| 247 | Mrs. Neelima A Patil | M. Phil. | Assistant Professor | Solar cell study |
| 248 | Dr. Jagdish W Dadge | Ph. D. | Assistant Professor | Laser & materials interaction |
| 249 | Dr. (Mrs.) Shweta N Chuare | Ph. D. | Assistant Professor | Solar cell study |
| 250 | Dr. (Mrs.) Rohini S Chhatrala | Ph. D. | Assistant Professor | Multiferroics |
| 251 | Mr. Vivek C Mandake | M. Sc. | Assistant Professor | Condensed Matter |
| 253 | Mr. Yatin J Pitkar | M. Sc. | Assistant Professor | Non-equilibrium statistical mechanics |

❖ ACCOUNTS AT GLANCE

| College of Engineering Pune | | | |
|--|-----------------|-------------------------|-------------------------|
| Balance Sheet as on 31 March 2020 | | | |
| Sources of Funds | Schedule | Current Year | Previous Year |
| | | 2019-20 | 2018-19 |
| Trust Funds or Corpus | 1 | 1,002,265,407.63 | 1,002,265,406.63 |
| Other Earmarked Funds | 2 | 9,364,336.00 | 15,229,334.00 |
| Liabilities | 3 | 217,925,230.07 | 197,046,411.52 |
| Surplus | | 1,228,713,524.01 | 1,095,666,764.91 |
| Total | | 2,458,268,497.71 | 2,310,207,917.06 |
| Application of Funds | Schedule | Current Year | Previous Year |
| | | 2019-20 | 2018-19 |
| Immovable Property | 4 | 296,498,869.00 | 292,922,613.00 |
| Investments | 5 | 1,230,403,944.00 | 1,110,046,493.00 |
| Furniture Fixture & Assets | 6 | 611,070,291.00 | 626,603,645.87 |
| Advances | 7 | 44,182,289.44 | 40,412,442.44 |
| Income Outstanding | 8 | 108,039,778.14 | 96,957,484.52 |
| Cash & Bank Balances | 9 | 168,073,326.13 | 143,265,238.23 |
| Total | | 2,458,268,497.71 | 2,310,207,917.06 |

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| College of Engineering Pune |
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| Income & Expenditure Statement for the Period 31 March 2020 | | | |
|--|-----------------|-------------------------|-------------------------|
| Particulars | Schedule | Current Year | Previous Year |
| | | 2019-20 | 2018-19 |
| Income | | | |
| Interest | 13 | 81,840,639.50 | 73,875,722.50 |
| Donation | 14 | 42,564,752.00 | 54,789,562.00 |
| Grants | 15 | 321,657,892.34 | 261,028,983.50 |
| Other Sources | 16 | 683,071,281.98 | 656,832,874.84 |
| Total | | 1,129,134,565.82 | 1,046,527,142.84 |
| Expenditure | | | |
| Particulars | | | |
| Particulars | Schedule | Current Year | Previous Year |
| | | 2019-20 | 2018-19 |
| Expenditure in Respect of Property | 10 | 25,071,875.00 | 28,222,415.00 |
| Legal Fees | - | 2,960,800.00 | 230,788.00 |
| Audit Fees | 11 | 1,121,000.00 | 1,947,000.00 |
| Amount Written Off | - | 0.00 | 6,049,605.84 |
| Depreciation | 6 | 50,798,836.00 | 53,421,712.00 |
| Reserve of Specific Fund | - | 0.00 | 6,000,000.00 |
| Expenditure on Objects of Trust | 12 | 916,135,295.72 | 794,354,798.26 |
| Surplus Carried Over to Balance Sheet | - | 133,046,759.10 | 156,300,823.74 |
| Total | | 1,129,134,565.82 | 1,046,527,142.84 |