



Matoshri Education Society's Matoshri College of Engineering and Research Centre, Nashik

Approved by All India Council Of Technical Education (AICTE)
Affiliated to Savitribai Phule Pune University, Pune.
Recognition of 2(F)/12(B) from University Grant Commission (UGC).



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Vision

To Establish Omnipotent Learning Centre Meeting the Standards to Evolve as a Lighthouse for the Society.

Mission

- Setting up state-of-the-art infrastructure.
- Instilling strong ethical practices and values.
- Empowering through quality technical education.
- Tuning the faculty to modern technology and strong liaison with industry.
- Developing the institute as prominent center for Research and Development.
- Establishing the institute to serve a Lighthouse for the society.



Editorial

- Dr.G.K.Kharate-Principal
- Dr.Varsha Patil-Vice Principal
- Ghuge Nilesh C.-Editor
- Mr.Pratik Sonawane
- Mr.Vishwas Wadekar
- Mr.Shilpa Adke
- Mrs.Poonam Dholi
- Mr.Hiralal Pawar
- Mr.Somanth Hadpe

Expert Lectures/Seminar

- Mechanical Engineering department conducted an expert lecture on “Scope in thermal Engineering after Graduation” for final year students by Dr.D.D.Palande on dated 20/09/2021.
- IBM Skill Build organized an orientation session for SE Students on dated 17/9/2021.
- IBM Skill Build organized an orientation session for TE Students on dated 23/9/2021.
- IBM Skill Build organized an orientation session for BE Students on dated 30/9/2021.
- Mahindra pride Classroom Training was conducted on 16/8/2021 to 31/8/2021 by Naandi Foundation Pune Head office, for All Final Year students.
- Online expert talk on Spirituality for productivity is conducted on 24.09.2021 for BE, TE Electrical students by Shri Krishna Dhana Das Prabhu, President ISKCON Nashik.

Departmental Activities (Club Activities)

- Teachers day celebrated on 5th Sept 2021 to mark the birthday of the country's former President, scholar, philosopher and Bharat Ratna awardee, Dr Sarvepalli Radhakrishna. During event Mr. D.D. Dighe head of E&TC department address to students and Mr. D.D. Ahire gives vote of thanks on the behalf of all E&TC department staff

Staff/Students Participation/publication

- Y.S. Khadke, AherAtul, Bagul Rahul, Bhamare Anirudha, Bharambe Varsha, published paper entitled “Design of Fixture to Reduce Loading Time on VMC Machine” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no.1006-1011, July 2021.
- G. D. Katala, Dabe Prashant, Derle Samadhan, Dethe Sandesh, Deshmukh Bhushan, published paper entitled “Development of Process of Removing Moisture from Solution by Using Layer Freezing Process” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no.1041-1045, July 2021.
- Yogesh K. Mogal, Sachin S. Dheringe, Lalit S. Dhikale, Praful M. Donde, Tejas B. Firke, published paper entitled “Design and development of E bike” in International Journal of Creative Research Thoughts, ISSN no. 2320-2882, Vol 9, Issue 6, page no.260-267, July 2021.
- Yogesh K. Mogal, Gadge Mayur, Gaidhani Akshay, Gaidhani Prathmesh, GawaliShubham, published paper entitled “Door Operated Automatic Sanitizing Machine with Temperature sensor” in International Journal of Advanced



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Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 7, Issue 1, page no.426-431, July 2021.

- T. R. Patil, GawliArun, GaykeAkshay, Ghumre Roshan, GodsePrachi, published paper entitled “Bike Wastage Heat Recovery” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 7, Issue 1, page no.426-431, July 2021.
- Y.S. Khadke, Aditya Kapadnis, Ajinkya Khairnar, Aniket Kumbhar, published paper entitled “Automatic Seat Belt Integrated Parking in a Car” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no.225-229, July 2021.
- Ganesh Suradkar, Kiran Narkhede, Vaibhav Sontakke, Surendra Ingle, published paper entitled “Healthcare Prediction System Using Machine learning” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no.1463-1466, July 2021.
- S.B. Thakare, HandoreSatvik S,Gurgude Bhushan B,HirayTusharAmbadas, published paper entitled “An implementation on Design & Development of Tuber Root Cleaning Machine” in IJARIE, ISSN no. 2395-4396, Vol 7, Issue 3, page no.2098-2101, July 2021.
- S.B. Thakare, Jadhav Akash Balasaheb, JadhavRohit Navnath, Jadhav Sidhant Subhash,Kakade Hrutvik Bhausahab, published paper entitled “Design and Development of Pneumatic Bumper” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no.1028-1033, July 2021.
- V.S.Daund, MahaleShubham, More Dinesh, More Harshad, published paper entitled “Design and Manufacturing of MultiutilityAgriculture Machine” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no.1022-1027, July 2021.
- V.S.Daund, Pravin Dilip Nikam, Yash S Nikam,Harshal A More, Roshani More, published paper entitled “Design and Development of Step RollerGrading Machine” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no.37-41, July 2021.
- R.S. Patil, Deshmukh Pankaj, Pathan Naim,NiphadeMayur, Parse Mohan, published paper entitled “High Pressure Die Casting Cold Chamber Process” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no 1243-1253, July 2021.
- Prof. Jayant H Bhangale, AbeerSayed, Ashpak Shaikh, Ashish Sancheti, Swikar Sangamner,published paper entitled “Desktop Assistant AI Using Python” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 2, page no1327-1335, July 2021.
- Prof. N.C. Ghuge, Rahul S. Chavan, Rushikesh A. Rajole, Pranit G. Pingale,Shree krishna A. Rohom,published paper entitled “Metal Pipe Bending Machine by Using Toggle Jack” in IJARIE, ISSN no. 2395-4396, Vol 7, Issue 3, page no3357-3364, July 2021.
- Pratap R. Sonawane, Shaikh Mohammad Javed, Shaikh SharimA,Shankhapal Akshay A,
 - Sharanagat Sachin Govind, published paper entitled “Analysis of Turning by using Natural Oil and Nanofluids” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 2, page no1470-1477, July 2021.
- Pratap R. Sonawane, Shelke Dipak,Shinde Mangesh, ShindeNiraj, Shinde Nitin, published paper entitled “Experimental Analysis on Lathe Machine for Alternative Lubricants” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 2, page no1285-1295, July 2021.
- P. K. Sonawane, Sanjay Sonawane,Kartik Taralkar,Sankat Tathe, Kishor Thore, published paper entitled “Design and Fabrication of Over Steer Preventionand Stability Control System in Automobile” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no836-842, July 2021.



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- T. T. Kapade, P. V. Wakchaure, S. N. Walekar, D. A. Wani, published paper entitled “Experimental Analysis of Refrigeration Ejector System by using Different Organic Refrigerants” in International Journal for Research in Applied Science & Engineering Technology, ISSN no. 2321-9653, Vol 6, Issue 7, page no 281-288, July 2021.
- H.B.Wagh, Dalvi Piyush, Yevlekar Gaurav, Jadhav Akash, published paper entitled “Design analysis and performance of Greenhouse based on solar dryer” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no 310-315, July 2021.
- P. K. Sonawane, Ritesh Sonawane, Ajit Sonawane, Shubham Pawar, Anuj Shirsath, published paper entitled “Design and numerical analysis of steering knuckle for ATV” in IJARIE, ISSN no. 2395-4396, Vol 7, Issue 3, page no 3090-3096, July 2021.
- V.K Dhattrak, Rohan Bhosale, Pravin Patil, Gaurav Pawar, Sanket Ravate, published paper entitled “Structure optimization of control panel” in IJSREM, ISSN no. 2582-3930, Vol 5, Issue 6, July 2021.
- Pratap R. Sonawane, Jadhav Vaibhav, Shreyash Joshi, Mahesh Joshi, published paper entitled “Novel use of hybrid nanoparticles additives for improved properties of lubricant in turning operation” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 7, Issue 1, page no 131-134, July 2021.
- D.P.Patil, Jadhav Ashish, Khairnar Sameer, Aware Shubham, published paper entitled “Application and analysis of various insulation for Hot air pipe considering cost effectiveness” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 7, Issue 1, page no 363-368, July 2021.
- Satish S. Bachhav, Kolhe Darshan, Khalkar Niraj, Kothawade Piyush, published paper entitled “Design and Fabrication of Sugarcane Bud Chipper Machine” in IJARIE, ISSN no. 2395-4396, Vol 7, Issue 3, page no 2343-2348, July 2021.
- L.G.Kamde, Sachin Badgular, Rohan Shinde, Rushikesh Ambekar, Nilesh Sanap, published paper entitled “Solar Powered Intelligent IOT based car cabin cooling system” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no 310-315, July 2021.
- L.G.Kamde, Prajwal Gosavi, Bhushan Tile, Yadnesh Ghodke, Akshay Borade, published paper entitled “Design and Development of Pneumatic Operated Fixture for Spot Gun” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9430, Vol 7, Issue 1, page no 484-491, July 2021.
- S.B. Thakare, Mandalik Gaurav Nandkumar, Gujar Mahesh Mangilal, Dolas Indrajeet Sunil, Dukare Ganesh Pandurang, published paper entitled “Development and Performance Analysis of Gasifier For Biomass” in IJARIE, ISSN no. 2395-4396, Vol 7, Issue 4, page no 453-459, July 2021.
- R.S. Patil, Pushpak Kalokhe, Varun Rajjade, Piyush Patil, Vikas Patil, published paper entitled “Design and Analysis of Piercing Tools” in International Research Journal of Modernization in Engineering Technology and Science, ISSN no. 2582-5208, Vol 3, Issue 7, page no 01-05, July 2021.
- H.B.Wagh, Ahire Shubham Narayan, Amol Gorakshanath Purkar, Ashish Vivek Hiwarkar, published paper entitled “Corona Warrior Robot” in IJARIE, ISSN no. 2395-4396, Vol 7, Issue 3, page no 2629-2634, July 2021.
- G. D. Katala, Rumane Sanket, Sabne Mayuresh, Salve Sahil, Sahane Jaykrishna, published paper entitled “Solar Based Smart Agriculture System Using IoT Technology” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 1, page no 965-968, July 2021.
- P. K. Sonawane, Rushikesh N. Shinde, Rahul S. Shinde, Mahesh R. Shirsath, Akshay H. Shisode, published paper entitled “Design and Development of Vertical Lifting Bridge” in IJARIE, ISSN no. 2395-4396, Vol 7, Issue 3, page no 2621-2628, July 2021.
- Dr Devidas D. Dighe has contributed as a “Session Chair” for Digital System Track at eGPPEX-2021 organized by Board of Studies E&TC in association with Amrutvahini College of Engineering Sangamner on 18th June 2021.
- Dr. Devidas D. Dighe has attended a workshop on “Covid-19 awareness” organized by Pimpri Chinchwad College of Engineering Pune from 4-9th July 2021.



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- Dr.Devidas D. Dighe has participated as a “Resource Person” for a three days faculty orientation workshop on TE (E&TC) revised syllabus (2019 course) under the aegis of Board of Studies E&TC, Savitribai Phule Pune University, Pune organized by Dept. of E&TC Pune Institute of Computer Technology From 22/07/2021 to 24/07/2021
- Dr.Dnyaneshwar D. Ahire has contributed as a Session Chair at the International Conference on Emerging Trends in Engineering and Technology (ICETET-2021) Organized by Department of Mechanical Engineering , Sandip Institute of Engineering and Management , Nashik held on 07th & 08th July 2021
- Dr.Dnyaneshwar D. Ahire has attended Faculty Orientation Workshop on TE(E&TC) revised syllabus (2019C) under the aegis of Board of Studies (E&TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering, STES, Sinhgad Institute of Technology, Lonavala from 22/07/2021 to 24/07/2021.
- Dr.Dnyaneshwar D. Ahire attended Faculty Development Program on FDP on “ Teaching- Learning Beyond Syllabus : Post Covid “Organized by the IQAC Department of Matoshri College of Management & Research Centre, Eklahare, Nashik on 27th August & 28th August 2021
- Asst.Prof.Vishwas R.Wadekar has attended Faculty Orientation Workshop on TE(E&TC) revised syllabus (2019C) Digital Communication under the aegis of Board of Studies (E&TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering, STES, Army Institute of Technology, Lonavala from 22/07/2021 to 24/07/2021.
- Asst.Prof.Vishwas R.Wadekar has attended Faculty Orientation Workshop on TE(E&TC) revised syllabus (2019C) Computer Network under the aegis of Board of Studies (E&TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering, STES, AISSMS Institute of Information Technology, Pune from 26/07/2021 to 28/07/2021.
- Asst.Prof.Pankaj A.Nawale has attended Faculty Orientation Workshop on TE(E&TC) revised syllabus (2019C) under the aegis of Board of Studies (E&TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering, STES, Sinhgad Institute of Technology, Lonavala from 22/07/2021 to 24/07/2021.
- Asst.Prof.Mayuri R.Hire attended Faculty Development Program on FDP on “ Teaching- Learning Beyond Syllabus : Post Covid “Organized by the IQAC Department of Matoshri College of Management & Research Centre, Eklahare, Nashik on 27th August & 28th August 2021
- Asst.Prof.Mayuri R.Hire attended Faculty Orientation Workshop on SE (E&TC/Electronics) Revised Syllabus 2019 Course for the Subject Control Systems Organized by Department of E&TC Engineering, Zeal College of Engineering and Research, Pune.18-20 Jan 2021
- Asst.Prof.Mayuri R.Hire attended AICTE Funded Online Short Term Training Program (STTP)has attended One week Online Short Term Training Program on “Digital Skill Development for professionals by Bhivarabai Sawant Institute Of Technology And Research, Wagholi Pune-412207 (BSIOTR)”from 08/02/2021 to 13/02/2021.
- Asst.Prof.Bhagwan S.Bodke attended Faculty Development Program on Research Funding Projects and IPR organized by R & D Cell,IQAC and Department of E&TC ,Computer and IT KCCOE Mumbai from 7/06/2021 to 9/06/2021
- Asst.Prof.Bhagwan S.Bodke attended faculty orientation workshop on Electromagnetic Field Theory by E&TC Engineering Pune Institute of Computer Technology from 22/07/2021 to 24/07/2021
- Asst.Prof.Bhagwan S.Bodkeattended faculty orientation workshop on Fundamental of Java Programming by E&TC Engineering AISSMS COE Pune from 26/07/2021 to 28/07/2021
- Asst.Prof.Bhagwan S.Bodke attended Faculty Development Program AICTE Training and Learning Academy on RF Energy Harvesting Antenna Design for Wireless Body Area Networks: Design Development and Challenges from 23/08/2021 to 27/08/2021
- Asst.Prof.Bhagwan S.Bodke attended faculty orientation workshop on Revised TE Syllabus 2019 Course for subject “ Robotics” by Department of E&tc Engineering, D.Y.Patil Institute of Technology Pimpri,Pune from 30/07/2021 to 31/07/2021



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- Asst.Prof.Pranali R.Kaiche has actively participated in Three Days Online Faculty Development Program on " Industry 4.0" Organized by Department of Electronics & Telecommunication Engineering, in association with IQAC and IETE during 20 to 22nd May 2021
- Asst.Prof.Pranali R.Kaiche has attended Faculty Orientation Workshop on TE E&TC revised syllabus 2019 for the subject Computer Network under the aegis of Board of Studies E&TC, Savitribai Phule Pune University, Pune organized by Dept. of E&TC, AISSMS Institute of Information Technology, Pune from 26/07/2021 to 28/07/2021
- Asst.Prof.Pranali R. Kaiche has attended Faculty Development Program on FDP on " Teaching- Learning Beyond Syllabus : Post Covid "Organized by the IQAC Department of Matoshri College of Management & Research Centre, Eklahare, Nashik on 27th August & 28th August 2021
- Asst.Prof.Pranali R. Kaiche has participated in the two day Faculty Development Programme on "Impact of Research during Pandemic" under UGC funded Paramarsh Scheme conducted by The Kaypeeyes College of Arts and Science, Kotagiri in association with Nirmala College for Women, Coimbatore from 14-09-2021 to 15-09-2021
- Asst.Prof.Madhuri S. Nimse has attended "Faculty Orientation Workshop on TE (E&TC) Revised Syllabus 2019 Course" under the aegis of Board of Studies Electronics & Telecommunication, Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering, Modern Education Society's College of Engineering, Pune from 26/7/2021 to 28/7/2021.
- Asst.Prof.Chetana S.Ahira has attended Online Faculty Orientation Workshop under the Aegis of BoS (E&TC), SPPU, Pune on Fundamentals of Java Programming during July 26-28, 2021.
- Asst.Prof.Chetana S.Ahira has attended Online Faculty Orientation Workshop under the Aegis of BoS (E&TC), SPPU, Pune on Revised Syllabus 2019 Course for the Subject "Database Management "during 22-24 July 2021.
- Asst.Prof.Chetana S.Ahira attended Faculty Development Program on FDP on "Teaching- Learning Beyond Syllabus : Post Covid "Organized by the IQAC Department of Matoshri College of Management & Research Centre, Eklahare, Nashik on 27th August & 28th August 2021
- Pawar Nikita, Sonawane Manjusha, Borse Priyanka, Ahire Rutuja published paper entitled on "Heart Disease Prediction Using Machine Learning" in International Journal of Scientific & Engineering Research, ISSN no. 2229-5518,Page no.1-4,12,Issue 10.
- Deshmukh Abhishek , Aher Ajinkya , Patil Kundan , Gaikwad Surbhi published paper entitled on "Brain Tumour Detection Using X-Ray Images" in International Journal for Science and Advance Research in Technology,ISSN: 2395-1052, Vol 7,Issue 7.
- Dnyaneshwar Wagh , Chetan Kharate , Dipak Shivde , Kajol Bhuse published paper entitled on , "Sign Language Recognition Using CNN And SVM" in International Journal for Science and Advance Research in Technology, ISSN: 2395-1052, Vol 7,Issue 10
- Dr. R. G. Shriwastava Successfully completed AICTE Training and Learning (ATAL) Academy online FDP on titled ""Role of Renewable Energy Sources in Power System"" from 2021-07-05 to 2021-07-09at Government Engineering College, Patan.
- Dr. R. G. Shriwastava Successfully completed AICTE Training and Learning (ATAL) Academy online FDP on titled " Electrical Distribution System Analysis with Renewable Energy Sources (EDSARES-2021)" from 2021-07-12to 2021-07-16 at National institute of technology kurukshetra
- Dr. R. G. Shriwastava Successfully completed AICTE Training and Learning (ATAL) Academy online FDP on titled "Opportunity and Challenges for Electric Vehicles in the Automotive Industry" from 2021-07-26 to 2021-07-30 at National institute of technology Srinagar.
- Mr. S. S. Hadpe Successfully completed AICTE Training and Learning (ATAL) Academy online FDP on titled "Block Chain Technology: Current Trends and future aspects in Smart Grid" 2021-7-12 to 2021-7-16 at Gyan Ganga Institute of Technology and Sciences.
- Mr. Aditya Pawar student of BE electrical has successfully completed a 30 days Master class on Electric vehicle design using MATLAB from 23.08.2021 to 21.09.2021 at Pantech e learning Pvt Ltd, Chennai.



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- Ms. Kanchan Derle, student of BE electrical has successfully completed a 30 days Master class on Electric vehicle design using MATLAB from 23.08.2021 to 21.09.2021 at Pantech e learning Pvt Ltd, Chennai.
- Ms. Kunjal K. C. Completed ATAL FDP on Recent Trends in IoT of 5 days from 20th September 2021 to 24th September 2021, sponsored by Shri GS Institute of technology and Science, Indore.

• *Staff/Students Achievements-Awards*

- Vipul Patil, Final Year Student from Mechanical Engineering Department got selected in Infosys Limited, Pune as a Systems Engineer.
- Dr. Devidas D. Dighe, Head of the Electronics and Telecommunication department has awarded with PhD in Electronics and Telecommunication Engineering from Sant Gadge Baba Amravati University, Amravati, Maharashtra under the guidance of Principal Dr. Gajanan K. Kharate on 15th July 2021.
- Mohini Mahalle from BE Computer (2019-20) batch got placed in Robert Bosch.
- Radhika Sonar from BE Computer (2020-21) batch got placed in Infosys, Pune.
- Rushikesh Patil from BE Computer (2020-21) batch got placed in Torry Harris Business Solutions, Bangalore.
- Abhijit Chavan from BE Computer (2021-22) got placed in Hidden Brains Infotech.