



# 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).



April.2021-June 2021

## NEWS LETTER

Volume -7 Issue-2

### 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 “Placement Opportunities” for final year students by Dr.Nilesh Ghuge on dated 15/05/2021.
- Expert lecture on “Broadband Communication System” was conducted or B.E (Electronics and Telecommunication) students by Dr.Pravin Dhulekar on May 22nd 2021.
- Conducted guest lectures on “OOPS” for S.E(Electronics and Tele.) by Prof Tejaswini Deshmukh, KBTCOE, Nashik from May 22nd 2021.
- Conducted guest lectures on “IOT and its applications” for T.E(Electronics and Telecommunication) by Prof.R.J.Shimpi R.H.Sapat COE, Nashik from 19th may 2021.
- Conducted a Live webinar on “Power Electronics in Solar System” for T.E B.E(Electronics and Telecommunication) students by Dr.Shailendra Kumar Mittal ,G.H.Raisoni Institute of Engineering and Technology pune on May 27th 2021 organised by Samarth Group of Institutions, College of Engineering ,Pune
- Conducted guest lectures on “Calyxpod online test assesment” for all T.E(students from 28 to 30 june 2021

### Departmental Activities (Club Activities)

- A Free Online “Soft skill development and employability enhancement” training was conducted by Rubicon from 12 May 2021 to 21 May 2021 on Zoom platform for T.E students of Electronics and Telecommunication Department. In this training 36 students trained on Resume, Group discussion, Mock Interviews.
- A Free webinar on “How to start your own and scale up your Business and post Covid19 Government schemes” by Mr.Sunil Chandak ,Director of Udyogwardhini conducted on 27 April 2021 for B.E students of Electronics and Telecommunication Department on Zoom platform.
- A Free webinar on “Python Programming-Getting started”was conducted on 9 May 2021 for B.E students of Electronics and Telecommunication Department on Google meet platform.
- A Free webinar on “Placement assured Program”was conducted on 14 May 2021 by Careerlabs for B.E students of Electronics and Telecommunication Department on Google meet platform.
- A Free online workshop on “Guidance on Psychosocial Helpers and Support to Community during Pandemic” was conducted on 24 May 2021 by Mr.Mahesh Chopde MGNCRE for B.E students of Electronics and Telecommunication Department on Google meet platform.
- A Free Webinar on “Want to study in UK” was conducted on 7 June 2021 by StudySmart for B.E students of Electronics and Telecommunication Department.



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- Online expert talk on “Career opportunities in IT sector” was conducted on 19 June 2021 by Director and Speaker Mr.Mrunal Dahale NITS for B.E students of Electronics and Telecommunication Department on Google meet platform.

### • Staff/Students Participation/publication

- Y.S. Khadke, Amrutkar Ankush, Rajendra, Ahire, Trupti Hemant, Ahire Sanchit, published paper entitled “Analysis of vehicle crash box to improve passengers safety with shape and material optimization” in International Journal of Advances in Engineering and Management, ISSN no. 2395-5252, Vol 3, Issue 7, page no. 90-96, June 2021.
- N.B. Dole, T S Chaudhari, R V Chandrasahas, R RBidwe, R N Chaudhari published paper entitled “To Study the Effect of Compression Ratio and Additives on Performance and Emission Characteristics of Hybrid Methyl Ester” in International Journal of Innovative Research in Science, Engineering and Technology, ISSN no. 2320-6710, Vol 10, Issue 6, page no. 7670-7674, June 2021.
- T. R. Patil, Ingale Rahul, Gomsale Ravi, Jadhav Ravindra, Jadhav Vaibhav, published paper entitled “Agriculture Three In One Mechanism” in International Journal of Recent Advances in Multidisciplinary Topics, ISSN no. 2582-7839, Vol 2, Issue 6, page no. 35-38, June 2021.
- T. R. Patil, Darshan Kajale, Kalpesh Bhadane, Dinesh Joshi, Akash Kale, published paper entitled “Fabrication of Pneumatic Series Coupler for Belt Conveyor” in International Journal of Recent Advances in Multidisciplinary Topics, ISSN no. 2582-7839, Vol 2, Issue 6, page no. 125-130, June 2021.
- N.B. Dole, Kartik Deore, Shweta Karve, Aniket Khaire, Gopal Lokhande, published paper entitled “Emission Characterization of Micro-Algae Biodiesel using ZnO as an Additive & Diesel Fuel in Single Cylinder Diesel Engine” in International Journal of Multidisciplinary Research In Science, Engineering and Technology, ISSN no. 2582-7219, Vol 4, Issue 6, page no. 1153-1160, June 2021.
- Satish S. Bachhav, Abhishek P. Kadam, Prashant P. Kadam, Vikram B. Kale, Tejas N. Kangune published paper entitled “Design & Development of Automatic Washroom Cleaning System” in International Journal of Innovative Research in Science, Engineering and Technology, ISSN no. 2320-6710, Vol 10, Issue 7, page no. 9356-9358, June 2021.
- N.B. Dole, Akshay B. Katkade, Keshav B. Khaire, Ashutosh D. Khairnar, Ashutosh R. Khairnar, published paper entitled “The Study of Performance Parameter In Application Of Undi & Wco Methyl Ester With Egr In Single Cylinder Diesel Engine” in International Journal of Multidisciplinary Research In Science, Engineering and Technology, ISSN no. 2582-7219, Vol 4, Issue 6, page no. 1111-1116, June 2021.
- D.P. Patil, Vinayak S. Panchal, Ganesh B. Navale, Aditya A. Mahale, Sayan MD. Jamali, published paper entitled “Drying of Fruits & Vegetables by Using Solar Dryer” in International Journal of Innovative Research in Science, Engineering and Technology, ISSN no. 2320-6710, Vol 10, Issue 6, page no. 5865-5869, June 2021.
- D.P. Patil, Datkhile Omkar, Patil Dashan, Nikam Amit, Nere Rohit, published paper entitled “Performance analysis of multi chamber reactive silencer” in International Journal of Recent Advances in Multidisciplinary Topics, ISSN no. 2582-7839, Vol 4, Issue 6, page no. 35-38, June 2021.
- R. S. Patil, Saindane Ankit, Tile Suyog, Tajane Swapnil, Unawane Abhishek, published paper entitled “Comparison of the Performance of Refrigerant Fluids in Single Stage Vapour Compression Refrigeration System By Using Coolpack Software” in International Journal of Advanced Research in Science, Communication and Technology, ISSN no. 2581-9429, Vol 6, Issue 2, page no. 1146-1153, June 2021.
- N.B. Dole, Sachin S. Pawar, Rushikesh R. Pawar, Digambar S. Phade, Ashwini C. Phad, published paper entitled “Comprehensive Study of Nahar and Karanja Biofuel with EGR on Diesel Engine” in International Journal of Multidisciplinary Research In Science, Engineering and Technology, ISSN no. 2319-8753, Vol 10, Issue 6, page no. 7663-7668, June 2021.



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- L.G.Kamde, DangavahalShubham, Sonawane Prasad, Gaikwad Sujal, ShindeSumit, published paper entitled “To study of installation and commissioning of solar dual pump” in International Journal of Advanced Research in Science, Communication and Technology , ISSN no. 2581-9429, Vol 6, Issue 2, page no1513-1518, June 2021.
- T. T. Kapade, Bhushan B. Wagh, Sachin H. Ugale, Shivanand K. Vishwakarma, published paper entitled “Analysis of Tube in Tube Heat Exchanger Fittedwith Twisted Tape with Square Cut” in International Journal of Advanced Research in Science, Communication and Technology , ISSN no. 2581-9429, Vol 6, Issue 2, page no1448-1462, June 2021.
- Jadhav Monika, Kothule Nikita, Pekhale Tejaswini published a paper on “ Protection of crops from insects using Microwave frequency: A review”
- Shardul Sulekha V,Dr. Bhavsar Swati A. published paper entitled “A Review On Collaborative Filtering Based Sequential Modeling Of User Interest For Hotel Industries”, in International Journal of Innovative Research in Computer and Communication Engineering, ISSN: 2320-9801, DOI:10.15680/IJRCCE.2021.0905001
- Gayatri Laware, Mr. Ranjit Gawande published paper entitled “A Review on Risk Prediction Models for Colorectal Cancer” in IJRCCE, ISSN: 2320-9798, DOI: 10.15680/IJRCCE.2021.0905001.
- Abhijeet M. Tote, Ranjit M. Gawande published paper entitled,“Traffic Collision Analysis and Prediction”, in International Journal of Current Engineering and Technology INPRESSCO IJCET, P-ISSN 2347 – 5161.
- Ms. Deepali B.Vaidya, Ms. Poonam R. Dholi published paper entitled “A Review on Detection of Phishing Attacks on Websites Using Deep Learning” in International Journal of Innovative Research in Computer and Communication Engineering(IJRCCE), Volume 9, Issue 5,e-ISSN: 2320-9801, p-ISSN: 2320-9798, DOI: 10.15680/IJRCCE.2021.0905093
- Dr.Swati Bhavsar, Dr.Varsha H Patil, Abole H Patil, Radhika Deore published paper entitled “Recommendation System to Predict User Future Movement: A Survey” in Journal of Advanced Research in Power Electronics and Power System, ISSN: 2456-1401,
- Shardul Sulekha V,Dr. Bhavsar Swati A. published paper entitled “Collaborative Filtering Based SequentialModelling of User Interest for Hotel Industries” in International Journal of Advanced Research in Computer and Communication Engineering, ISSN: 2278-1021,DOI 10.17148/IJARCCE.2021.10
- Gayatri Laware, Mr. Ranjit Gawande published paper entitled “Classification of Colorectal Cancer” in IJRCCE, ISSN (Print) 2319-5940, DOI 10.17148/IJARCCE.2021.106120
- Ms. Deepali B.Vaidya, Ms. Poonam R. Dholi published paper entitled “Detection of Website Phishing Attack Based on Deep Learning” in International Advanced Research Journal in Science, Engineering and Technology(IARJSET), Vol. 8, Issue 6,ISSN (Online) 2393-8021, ISSN (Print) 2394-1588, DOI: 10.17148/IARJSET.2021.86143
- Kanchan Patil, Shraddha Rajguru, Snehal Papadkar,Nikita Gaikwad published paper entitled on “IoT Based Crop Safety From Anonymous Intruders Like Humans And Animals”,ISSN NO.: 2229-5518, Vol 12,Issue 10
- Aruna Kotangale , Shabnam Maniyar , Sayali Kadam , Vaishnavi Khalkar published paper entitled on “Fraud Detection and Location Tracking System in E-Commerce” in International Journal for Research Trends and Innovation, ISSN : 2456-3315, Vol 6,Issue 6.
- Sonawane Shivani , Ugale Pratiksha , Patil Kundan , Gaikwad Surbhi ,“Credit Endorsement Prdiction Dependent On ML Approach” ,in International Research Journal of Modernization in Engineering Technology & Science, ISSN: 2582-5208, Vol 03, Issue 06
- Mrs. S.A. Bhavsar organizes webinar on "Engineering Ethics" by Mr. Pavan Deshpande, Cognizant, Pune, on15th June 2021.
- Mrs. S.A. Bhavsar organizes webinar on "Technical Paper Writting" by Dr. Parikshit Mahalle, Professor , Smt. Kashibai Navale College of Engineering, Pune, on 31st May 2021.
- Mr. Hadpe S. S. Completed a FDP on Entrepreneurship of 15 days from 17 may 2021 to 31 may 2021, sponsored by department of Science and Technology, Govt of India.
- Dr. Rakesh G. Shriwastava, Mohan P. Thakre, Manoj D. Patil, Digamber R. Bhise “ Performance Analysis of CB-SVM Three-Phase Five-Level DCMLI Fed PMSM Drive”, published on23 May,2021(online mode) in Turkish Journal of Computer and Mathematics Education Vol.12 No.12 (2021), 887-897
- Dr. R. G. Shriwastava, Mr. S. S. Hadpe, Ms. S. B. Patil, Dr. M. P. Thakare “The architecture of a 24 dynamic Voltage restorer for voltage enhancement incorporating voltage vector methodologies”, Published on 28 June, 2021(online mode) in Elsevier Procedia(2021).



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### • *Staff/Students Achievements-Awards*

- Dhoot Transmission -Online Campus Drive for Engineering students was held on 3 June 2021,97 students were selected as a trainee engineer.
- Pranali Mali from BE Computer(2019-20) got placed in Zensar, Pune.
- Pranali Songire from BE Computer(2019-20) got placed in Cisco, Bangalore
- Vaishnavi Rajendra Khalkar,Dhananjay Balasaheb Tayade,Priyanka Borse, Rutuja Ahire, Nikita pawar, Sakshi Dhokale from BE Computer (2020-21) got selected from Dhoot Transmission, Aurangabad.
- Pankaj Aher from BE computer(2020-21) got placed in Infosys, Pune.