



K K Wagh Education Society's

K K Wagh Institute of Engineering Education and Research, Nashik.

Department of Mechanical Engineering

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Semester I of AY 2021-22

TECHNICAL NEWS LETTER

Semester I of AY 2021-22

■ Vision of the Department

To lead as a center of quality technical education and research in the field of Mechanical engineering to serve the needs of the society

■ Mission of the Department

M1: To integrate and apply scientific and engineering knowledge to develop innovative systems for sustainable development of the society

M2: To inculcate research culture amongst students by offering multidisciplinary projects from industrial and societal background

M3: To inculcate professional ethics along with contemporary technical skills for overall development of students

■ Expert Lectures

- Binu Thomus, Scientist at TCS Bangalore, delivered an expert talk on "Electric Vehicle" on 10th July 2021.
- Mr. Anuj Karnik, Robotics Test Engineer at Symbiotic Systems LLC, Wilmington, MA, delivered an expert talk on "Trends and Opportunities in Mechanical Engineering" on 16th July 2021.
- Mr. Paresh Gugale, Founder and Director of GATE I2E Imperial Nashik, delivered an expert talk on "Gate Awareness" on 1st August 2021.
- Mr. Vivek Nagose, R&D Engineer at Dassault Systèmes, Pune, delivered an expert talk on "Model Based Systems Engineering" on 14th August 2021.
- Er. Kaustubh Kulkarni, Co-Founder of Electroequip, delivered an expert talk on "Skill-Set for Electric and Autonomous Vehicle Industry" on 17th August 2021.
- Mrs. Kanchan Joshi, Chief Operating Officer at Step Up Training Solution Nashik, delivered an expert talk on "Career Planning" on 27th August 2021.
- Mr. Shoeb Mansuri, Sr. Engineer at Portescap India Pvt Ltd, Mumbai, delivered an expert talk on "The Role of GD&T in the Age of Smart Manufacturing" on 16th September 2021.
- Mr. Susheel Pote, Educational Head at InvensysCAD Solution Nashik, delivered an expert talk on "Fundamentals of Ansys for Mechanical Engineering Projects" on 1st October 2021.
- Dr. Vishwadeep Handlikherkar, Project Engineer at Monorail, Mumbai, delivered an expert talk on "Intelligent Rotating Machinery Health Maintenance in Industry 4.0" on 5th October 2021.

- Mr. Mayank Patidar, Research & Dev. Engineer at NMRL DRDO, Ambernath MH, delivered an expert talk on "Competitive Exam Preparation" on 9th October 2021.
- Er. Siddarth Aphale, Engineer at Sun Mobility, Bengaluru, delivered an expert talk on "Battery Systems for Electric Vehicles" on 9th October 2021.
- Dr. Sharad Bodake, Doctor at PREET Health & Wellness Centre, delivered an expert talk on "Doctor Free Family" on 9th October 2021.
- Er. Ajay Patil, Engineer at Cummins India Ltd, delivered an expert talk on "Packaging Sustainability" on 23rd October 2021.
- Prof. Raosaheb Ghegade, Patent Consultant and Facilitator at Sir Dr. M S Gosavi College of Pharmaceutical Education and Research Nashik, delivered an expert talk on "Means of Protecting Invention, Innovation, and Creativity Through an IP Perspective" on 28th October 2021.
- Prof. Sarvesh Sukhatme, Professor at KKWIEER Nashik, delivered an expert talk on "Emergence of New Area and Allies Career Path" on 30th November 2021.

■ FDP/STTP/Workshops Organized or Attended:

- One-day workshop on "Advanced Machine Design Techniques and Optimization" was conducted on 28th September 2021. Facilitators: Dr. V. M. Phalle (Professor, VJTI Mumbai) and Er. Dinesh Shirsat (Director, Hexagon Dynamics Nashik)..
- Two-day workshop on "Concepts and Practices for Energy Efficiency Improvement-2021" was conducted on 30th September and 1st October 2021. Facilitators: Dr. M. N. Shelar, Dr. S. D. Barahate, Dr. V. S. Patil, Prof. S. S. Kale (Professors and Associate Professors, KKWIEER Nashik).
- Workshop on "Role of Condition Monitoring in Industry 4.0" was conducted on 2nd October 2021. Facilitator: Er. Hemant Bari (Engineer, Board Member of Condition Monitoring Society of India).
- Two-day workshop on "Advanced Heat Transfer" was conducted on 13th and 14th October 2021. Facilitators: Dr. P. W. Deshmukh (Assistant Professor, IIT Bombay), Dr. S. L. Borse (Professor, IIT Bombay), Dr. Satyanand Abraham (Assistant Professor, NIT Warangal), Dr. S. V. Kasar (Assistant Professor, SITRC Nashik).

Department Faculties have attended around 47 online/offline FDP, STTP & Workshops at State, National and International level.

■ Publications in International Journals:

- Prof. R.D. Rakhade's paper on the "Selection of 3D Printer for Innovation Centre of Academic Institution Based on AHP and TOPSIS Methods" was published in the International Journal for Research in Applied Science & Engineering Technology, Volume 9, Issue XII, Dec 2021. ISSN: 2321-9653. IC Value: 45.98. SJ Impact Factor: 7.538. Available at www.ijraset.com.

■ Achievements :

- The patent 202121034877A, dated from August 3, 2021, to August 20, 2021, presents a "Spring-type Lower Limb Exoskeleton." The inventors listed are Prathamesh Desai, Amit Dashrath Bhagure, Krishna Khairnar, and Apurv Ratnaparkhi.



Ms. Shreeya Bhawe has created Guinness World Record for creating "World's Smallest Wooden Spoon" on 12th August 2021

