



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 II of AY 2021-22

TECHNICAL NEWS LETTER

Semester II 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 Organized

- Mr. Suraj Singh, Trainer at GATEFORUM, Nashik, delivered an expert talk on "Career Guidance and Opportunities Through GATE" on 24th January 2022.
- Dr. Sandeep Chattarjee, Director at Deloitte India, delivered an expert talk on "Scope of Lean Six Sigma in The Manufacturing Industry" on 27th January 2022.
- Mr. Ashish Rajguru, Chief Consultant at Lokyaz Energy Services, delivered an expert talk on "Industrial Steam System" on 10th March 2022.
- Mr. Aatmesh Jain, Deputy Manager at ARAI Pune, delivered an expert talk on "Fuel Cell Technology" on 10th March 2022.
- Mr. Yogesh Vidyadhar Phadtare, Consultant Psychologist in Clinical Psychology, delivered an expert talk on "Emotional Energy" on 10th March 2022.
- Mr. Kalpesh B. Bhalekar, Fitness Teacher at Nashik Royal Warrior, delivered an expert talk on "Self Defense" on 14th March 2022.
- Mr. Santosh Jadhav, Dy. Engineer at Volvo EICHER Commercial Vehicle Indore, delivered an expert talk on "Application of FEA in Automobile Industry" on 19th March 2022.
- Er. Akshay Sonandkar, Mechanical Design Engineer at Atomionics Singapore, delivered an expert talk on "Mechanical Engineering Career Opportunities" on 23rd March 2022.
- Mr. S. R. Bandhekar, formerly Chief Engineer at Nashik Thermal Power Plant Eklahare, delivered an expert talk on "Instruments of Power Plant" on 26th March 2022.

- Mr. Tejas Ahire, Marketing Manager at Amazon, Bengaluru, India, delivered an expert talk on "Business Model Canvas" on 16th April 2022.
- Mr. Ravi Jorigal, Manager Business Development at Asian Academy of Professional Training Pune, delivered an expert talk on "Career Opportunities in Piping Design Engineering & Construction" on 20th April 2022.
- Mr. Suraj Singh, Trainer at GATEFORUM, Nashik, delivered an expert talk on "Gate Awareness" on 21st April 2022.
- Dr. Prakash M. Gadhe, Associate Professor at MIT WPU, delivered an expert talk on "Recent Trends in Solar Thermal Energy Technology" on 28th April 2022.

■ FDP/STTP/Workshops Organized or Attended:

- Workshop on "Career Guidance" was conducted on 14th March 2022. Facilitator: Mr. Santosh Bachhav (Motivational Coach, Nashik).

Department Faculties have attended around 07 online/offline FDP, STTP & Workshops at State, National and International level.

■ Publications in International Journals:

- Prof. S.V. Kadbhane published a paper titled "Automatic Floor Cleaning Machine" in the International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 06, Issue 05, May 2022. Impact Factor: 7.185. ISSN: 2582-3930. Available at www.ijsrem.com.
- Prof. P.D. Pillai contributed to "Design, Analysis & Manufacturing Of Cv-Shaft & Combinational use of Tripod And R-Zeppa in (Rwdc) Quad Bike" published in the International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 04, Issue 05, May 2022. Impact Factor: 6.752. ISSN: 2582-5208. Available at www.irjmets.com.
- Prof. P.R. Beldar's work titled "Design and Development of SPM for Nut Sorting" was published in the International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 10, Issue V, May 2022. ISSN: 2321-9653. IC Value: 45.98. SJ Impact Factor: 7.538. Available at www.ijraset.com.
- Prof. V.D. Nichit's paper on "Garbage Collector Machine with Instant Reward" was published in the International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 06, Issue 01, Jan 2022. ISSN: 2582-3930.

- Prof. P.K. Kavale published two papers: "Design & Development of a Prototype of Automated Guided Vehicle (Agv) for Material Handling" in the International Research Journal of Modernization in Engineering Technology and Science, Volume 04, Issue 05, May 2022, and "Design & Development of a Self Balancing Platform" in the International Research Journal of Modernization in Engineering Technology and Science, Volume 4, Issue 05, May 2022. Both papers have an Impact Factor of 6.752 and an e-ISSN of 2582-5208.

■ Industrial Visits:

- An industrial visit to Jadhav Casting and Sagar Enterprises at D-1/24, MIDC, Ambad, Nashik, was organized for S.E. All students on 23-03-2022 to learn pattern making for casting and the casting process. P. S. Pillai and N. S. Dixit accompanied the students.
- An industrial visit to Sahyadri Farm in Mohadi, Nashik, was arranged for T.E. All students on 28-03-2022 to demonstrate the working and components of hydraulic and pneumatic operated mechanisms, as well as automation processes. S. V. Kadbhane and P. K. Kavale guided the students.
- An industrial visit to Shalaka Shaft Pvt Ltd at H-38, F-67 MIDC Ambad, Nashik 422010, was conducted for T.E. All students on 06-05-2022 to understand Coordinate Measuring Machine (CMM) technology. Beldar P.R. and M.V. Bhadak guided the students.
- An industrial visit to Kadwa Sugar Factory in Dindori, Maharashtra, was arranged for B.E. All students on 02-05-2022 to understand the actual working of a thermal power plant and the physical significance of power plant instruments. Dr. S. Barahate, B.G. Patil, Y.V. Borse, and M.R. Pardeshi accompanied the students.

■ Achievements:



Students of Team Brahmastra Racing received All India Rank 5th and Design Rank 2nd in SAE BAJA 2022 organized by SAE INDIA from 5th to 11th April, 2022 at Pithampur, Indore, MP.

