



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 2016-17

TECHNICAL NEWS LETTER

## Semester II of AY 2016-17

### ■ Vision of the Department

To impart quality education to the students in the areas of Mechanical Engineering and expose them to the world of work

### ■ Mission of the Department

M1: To impart analytical skills through adequate exposure to theory.

M2: To provide exposure to engineering practices.

M3: To inculcate professional ethics and provide necessary inputs for the development of overall personality.

It's a great pleasure to present our newsletter for the semester II of AY 2016-17. Department of Mechanical Engineering has been consistently endeavoring to upgrade the skills and performance of students and staff members through various ventures.

### ■ Expert Lectures:

- Reecha Padhe (Researcher at Texas University), delivered an expert talk on the topic "Study in Abroad" on 3<sup>rd</sup> Jan 2017
- Mr Shrikant Bidwai, delivered an expert talk on the topic "Design and Manufacturing Integration" on 6<sup>th</sup> Jan 2017.
- Chief Electoral Officer Maharashtra and Collector Nashik District, delivered an expert talk on the topic "Rules and Regulations of Election" on 13<sup>th</sup> Jan, 2017.
- Prof Pathak (IIT Bombay), delivered an expert talk on the topic "Hackathon Interaction 2017" on 16<sup>th</sup> Jan 2017.
- Mr Vadaje Yuvraj (CEO UVKlink Pvt Ltd Nashik), delivered an expert talk on the topic "CAD/CAM/CAE opportunities and facts" on 20<sup>th</sup> Jan 2017.
- Zibran Mirza, JKM NDT Services, delivered an expert talk on the topic "Introduction of NDT Methods" on 31<sup>st</sup> Jan 2017.
- Mr Kiran Bhagwat (MSPGCL), delivered an expert talk on the topic "Nashik Thermal Power Station" on 9<sup>th</sup> Feb 2017.
- Mr Jagdish Kulkarni Head of Video and film division YCMOU, delivered an expert talk on the topic "How to make Video Documentary Film" on 16<sup>th</sup> March 2017.

### ■ FDP/STTP/Workshops Organized or Attended:

- Technical Quiz Competition was organized by MESA for students on 7th Jan 2017.

- Two days workshop on "Mechanical Engineering Design: Trends and Practices" was organized from 27th to 28th Jan 2017. Resource Persons: Dr Vikas M. Phalle VJTI, Mumbai. Mr. S. R. Durugkar, L&T Hydrocarbon, Mumbai. Mr. Sanjeev Kamble, RCF, Mumbai.
- Spotlight-3 Presentation Competition was arranged from 6th Feb to 14th Feb 2017.
- Gear Box design competition was organized for TE Mechanical students on 25th Mar 2017. Resource Person for Evaluation: Mr. Sudhari Mutalik MD Positive Metering Pump, MIDC Ambad, Nashik.
- Prof.A.D.Bhagure attended STTP on "MATLAB & SIMULINK" at Kashibai Navale College, Sinhgad, Pune. From 5th Dec to 10th Dec 2016.
- Prof.N.S.Dixit attended STTP on "MATLAB & SIMULINK" at Kashibai Navale College, Sinhgad, Pune. From 5th Dec to 10th Dec 2016.
- Prof.N.S.Ahirrao attended STTP on "Recent advances in Nanomaterials ,Nanotechnology & Nanofabrication" at Smt.Kashibai navale COE,Pune .From 11th to 16th Dec 2016
- Prof.M.V.Bhadak attended Two Days State Level workshop on "Mechanical Engineering Design: Trends and Practices" at KKWIEER, Nashik. From 27th to 28th January 2017.
- Prof.N.V.Patil attended Two Days State Level workshop on "Mechanical Engineering Design: Trends and Practices" at KKWIEER, Nashik. From 27th to 28th January 2017.
- Prof.A.S.Patil attended Two Days State Level workshop on "Mechanical Engineering Design: Trends and Practices" at KKWIEER, Nashik. From 27th to 28th January 2017.
- Prof.M.R.Pardeshi attended Two Days State Level workshop on "Mechanical Engineering Design: Trends and Practices" at KKWIEER, Nashik. From 27th to 28th January 2017.
- Prof.M.P.Panchbhai attended Two Days State Level workshop on "Mechanical Engineering Design: Trends and Practices" at KKWIEER, Nashik. From 27th to 28th January 2017.
- Prof.S.D.Mate attended 2 Days Workshop on "Condition Monitoring of Rotating Machine" at NDMVP,Nashik. From 7th Feb to 8th Feb 2017.
- Prof.P.D.Ahire attended 2 Days Workshop on "Condition Monitoring of Rotating Machine" at NDMVP,Nashik. From 7th Feb to 8th Feb 2017.
- Prof.V.V.Khond attended "A State level workshop on DOE" at SITRC, Nashik. From 21st to 22nd March 2017.



- Prof.P.K.Kavale attended “A State level workshop on DOE” at SITRC, Nashik. From 21st to 22nd March 2017.
- Prof.S.V.Kadhbhane attended Faculty Development Training program on “Energy Efficiency” at Govt. Polytechnique Samangaon,Nashik. From 18th to 19th April 2017.
- Prof.S.V.Kadhbhane attended One week QIP Term Course on “Computational Fluid Dynamics: Development, Application & Analysis”at IIT Powai, Bombay. From 29th May to 2nd June 2017.



Two days workshop on “Mechanical Engineering Design: Trends and Practices”

#### ■ Publications in Journals:

- Prof. S.D.Mate published a paper entitled “Design and Mould flow analysis of injection mould for Luggage bag wheel” in IJSRSET/Vol02/ Issue 05 /Print ISSN: 2395-1990/Page 122-132

#### ■ Publications in Conferences:

- Prof. R.V.Bhandare published a paper entitled “To Investigate Effect of Misalignment on the Performance of Hydrodynamic Journal Bearing” at National Tribology Conference 2016 IIT (BHU) 8-20th Dec 2016.

#### ■ Industrial Visits:

Several industrial visits were organized during the semester for enhancing the conceptual understanding of the students. Industries like Patsons, B- Catma, Unique Heat Treatment, State Transport Workshop, Nilgiri baug Pumping Station, Nashik Thermal Power Station, etc. were visited. Prof. M.N.Shelar, P.R.Karmase, G.R.Rayjade, P.R.Rahane, S.S.Kale, V.S.Patil, P.S.Pillai, B.G.Patil, P.R.Beldar, P.B.Ranade, S.S.Kale, and S.D.Barahate assisted and guided the students during the visits.

#### ■ Achievements:

##### ■ Faculty:

Prof. G. G. Waghmare has completed Ph.D. Degree in Mechanical Engineering from SVNIT, Surat. The title of thesis is “Single and multi-objective design optimization using Teaching – Learning –Based Optimization Algorithm”

#### ■ Department Events:

A two day Technical Event “MEC HEAVEN 2017” was organised by Mechanical Engineering Department, KKWIEER, Nashik on 21<sup>st</sup> & 22<sup>nd</sup> March, 2017.



“MEC HEAVEN 2017”

