



K.K. Wagh Education Society's

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

Department of Production Engineering

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Semester I of AY 2016-17

TECHNICAL NEWS LETTER

Semester I of AY 2016-17

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

■ Expert Lectures Organized

- 9 expert lectures were organized on various topics during the semester to enhance the learning experience of students and staff members of the department.
- Mr. Gagare Santosh Babanrao, Principal, G.E. Society's Institute of Engineering & Technology, Nandgaon. (Polytechnic) delivered an expert talk on the topic "Entrepreneurship and Export Awareness" on 25.06.2016.
- Shri. D. S. Bhujbal, Scientist 'D', Vehicle Research and Development Establishment (VRDE), Vahannagar, Ahmednagar delivered an expert talk on the topic "Shock and Vibration Based Design" on 09.07.2016.



- Mr. Ravindra Rikame, Assistant Manager –R&D, Larsen & Toubro (L&T) Limited guided the students about Industrial Awareness & Communication on 16.07.2016.
- Mr. Rakesh Jadhav, Assistant Manager –HUV Quality Assurance, Mahindra & Mahindra spoke about Manufacturing Executive System on 30.07.2016.
- Mr. Vilas Daga HR Consultant Nashik guided the participants about Effective HR Techniques on 06.08.2016.

- Mr. Lohit Ravindra Chaudhary, Senior Officer (R&D Automation), iNNOVA Rubbers Pvt. Ltd delivered an expert talk on Industrial Automation on 20.08.2016.
- Mr. Sandeep Sambhaji Aher Co-founder of eLuminous Technologies, Nasik motivated the participants for entrepreneurship through his inspiring session on Startup India Standup India for Production Engineering on 27-8-2016.
- Mrs. Smita Bhamare, Owner of Step Ahead Study Abroad Consultancy informed the participants about study abroad opportunities through her session "Step Ahead Study Abroad" on 03-09-2016
- Mr. Anil Ambarsing Jadhav, Assistant Manager - Research & Development, CTR Manufacturing Ltd delivered an expert talkon "Tools for Manufacturing Industries " on 10/09/2016.
- Mr. Joseph Samson, Road Safety Expert & Trainer, Mahindra & Mahindra, Nashik guided and alerted the participants about "Road Safety" on 27/09/2016.

■ Industrial Visits:

Industrial 7 Industrial were organized during the semester to industries like Urwish Engineers, G-55, MIDC Ambad, Nashik, Kedar Enterprises, Plot No E-45, MIDC Ambad, Nashik, Atlas Copco, 90, MIDC Satpur, Nashik, Sharada Motors, 52/1, MIDC Satpur, Nashik, Sipra Engineers Pvt. Ltd., 34/C, MIDC Satpur, Nashik, Mitesh Auto Ancillary Pvt Ltd, E-31, MIDC Satpur, Nashik, Strama-Summit Machinery Pvt. Ltd., Plot No F-93, MIDC, Ambad, Nashik. Dr. P. J. Pawar, Prof. A. A. Sonawane and Prof. S. B. Gunjal assisted and guided the students to these industries.

■ Staff Activities

■ Publications in Journals:

- Dr. K. N. Nandurkar and Dr. P. J. Pawar published a paper entitled "Dynamic machine layout for press tool operations using real coded genetic algorithm" in the International Journal of Meta heuristics with doi.org/10.1504/IJMHEUR.2016.080254, Nov. 2016 (Publisher: Inderscience).
- Dr. P. J. Pawar published a paper entitled "Tool path planning of hole-making operations in ejector plate of injection mould using modified shuffled frog leaping algorithm" in the Journal of Computational Design and Engineering with DOI: 10.1016/j.jcde.2016.04.001, Vol. 3 (3), pp. 266-273 (Publisher: Elsevier).
- Dr. P. J. Pawar published a paper entitled "Parametric optimization of abrasive water jet machining of glass fibre reinforced plastic composite

using non-dominated sorting genetic algorithm-II" in the International Journal of Metaheuristics' with DOI: 10.1504/IJMHEUR.2017.10006782, Vol.6 (4), pp. 334-354 (Publisher: Inderscience, USA).

- Dr. P. J. Pawar published a paper entitled "Identification of factors influencing the performance of government organization's and undertakings in India using analytic hierarchy process" in the International Journal of Services Sciences with DOI: 10.1504/IJSSCI.2017.088754, Vol. 6, No. 2, pp.162-176.
- Dr. P. J. Pawar published a paper entitled "Parametric Optimization of Cold Backward Extrusion Process using Simulated Annealing Algorithm" in the . Bio-nano Frontiers, Vol. 9 (3), pp. 342-346. ISSN: 2320-9593.
- Dr. P. J. Pawar published a paper entitled "Optimal Sequence Of Hole-Making Operations Using Particle Swarm Optimization And Shuffled Frog Leaping Algorithm" in the Engineering Review, Vol. 36 (2), pp. 187-196.

■ Publications in Conferences:

- Dr. K. N. Nandurkar published a paper entitled "Multi Response Optimization of Powder Mixed EDM process parameters by Grey Relational Analysis" in Proceedings of the International Conference on Modern Era Research in Mechanical Engineering (MERME-16), September 28-30, 2016, RIT, Islampur, India, pp. 439-447.
- Dr. K. N. Nandurkar published a paper entitled "Multi Response Optimization of Ring gear Hobbing Parameters by Taguchi Method and Grey Relational Analysis" in Proceedings of the International Conference on Modern Era Research in Mechanical Engineering (MERME-16), September 28-30, 2016, RIT, Islampur, India, pp.162-167
- Dr. P. J. Pawar published a paper entitled "Material flow optimization of flexible manufacturing system using real coded Genetic Algorithm (RCGA)" in Advanced & Agile Manufacturing Agile Software Development (ICAM-ASD), 6-7 Oct. 2016 (Organizer: SGGS Institute of Engineering & Technology Nanded).
- Dr. S. R. Gangurde published papers entitled "Drawing of Copper Wire using Stepped Cone wire Drawing Machine: Design and Development" and "High Speed Forming of Aluminium Sheet using Electromagnetic Forming" in International Conference on Advanced and Agile manufacturing and Agile software development -7, Oct. 2016 [ICAM-ASD2016], (Organizer: Centre of Excellence In Metal Forming and SGGSIE &T, Nanded

■ Students Achievements

- Gulve Sanket R. et al presented a technical paper entitled "Drawing of Copper Wire using Stepped Cone wire Drawing Machine " at International Conference on Advanced and Agile manufacturing and Agile software development.
- Mate Akshay et al presented a technical paper entitled " High Speed Forming of Aluminium Sheet using Electromagnetic Forming" at International Conference on Advanced and Agile manufacturing and Agile software development.

Prof. Dr. K. N. Nandurkar, Principal

