



K.K. Wagh Education Society's

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

Department of Production Engineering

Vol.: 1, Issue:2

Semester II of AY 2015-16

TECHNICAL NEWS LETTER

Semester II of AY 2015-16

It's a great pleasure to present our newsletter for the semester II of AY 2015-16. Various activities and events were organized by the department of Production Engineering to upgrade the skills and performance of students and staff members.

■ Expert Lectures:

- 07 expert lectures were organized on various topics during the semester to enhance the learning experience of students and staff members of the department.
- Mr. Samarth P. Bansole delivered an expert talk on "Root Cause Analysis" on 19th Dec 2015.
- Dr. R. Balasubramaniam, eminent scientist, guided the participants about Opportunities in Micro & Nano Machining on 23rd Dec 2015.
- Mr. Shri Ganesh Borse, Manager, Siemens PLM, Pune made aware about the Opportunities in CAD-CAM Technologies for Production Engineer on 2nd Jan 2016.
- Mr. Satish B. Patil, Vice President, SS Chemicals Bhilai, Chhattisgarh made himself available on 30th Jan 2016 and threw light on the Role of Internal Power in Stress Management.
- An expert talk was organized on 23rd Jan 2016 on the topic "Taking sourcing decisions in a Supply chain" for the students of Production Engineering.
- Mr. Girish Tushe informed the participants about ISO 14002 – Environment Management System on 6th Feb 2016.
- Mr. Rajendra Nathu Muthal of Mahindra & Mahindra Ltd Igatpuri informed the participants about Stores management on 13th Feb 2016.

■ Industrial Visits:

Industrial visits to various industries like Eaton Industrial Systems Pvt Ltd, Mahindra Sona Ltd, and Rothe Erde Ind Pvt Ltd, were organized for enhancing the understanding of theoretical subjects.

■ Staff Activities

■ Publications in Journals:

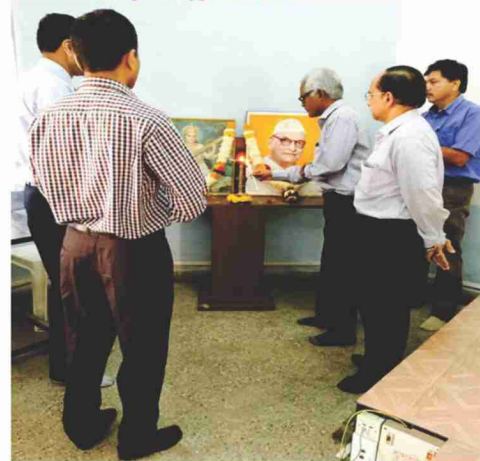
- Dr. P. J. Pawar published a paper entitled "Tool path planning in hole making operations in ejector plate of injection mould using modified shuffled frog leaping algorithm" in the Journal of Computational Design and Engineering with ISBN/ ISSN 2288-4300.
- Dr. P. J. Pawar published a paper entitled "Evaluating the performance of the particle swarm optimization and shuffled frog leaping algorithm for benchmark problems" in Industrial Engineering Journal, Industrial Engineering Journal, Vol. 9 (2), pp. 6-9. ISSN:2581-4915.

- Prof. V. S. Gaikwad published a paper entitled "Optimization of Material Removal Rate during Electric Discharge Machining of NiTi alloys Using Taguchi Method" in the Journal of Kings Saud University with ISBN / ISSN 1018-3647.
- Dr. P. J. Pawar published a paper entitled "Optimal Sequence Of Hole-Making Operations Using Particle Swarm Optimization and Shuffled Frog Leaping Algorithm" in Engineering Review, Vol. 36 (2), pp. 187-196.

■ Publications in Conferences:

- Dr. P. J. Pawar published a paper entitled "Parametric Optimization of Cold Backward Extrusion Process using Simulated Annealing" in National conference on Recent Trends in Computer science Applications & Computational Mathematics, organized by Indira College of commerce & Science, Pune.
- Dr. P. J. Pawar published a paper entitled "Cutting fluid selection for cylindrical grinding of glass fiber reinforced plastic material" in International Conference on Mechanical & Production Engineering, IRJA Research Forum.

■ Workshop Organized



A one-week workshop on "Optimization aspects of Robotics and Computer Integrated Manufacturing" was organized by the department between 16th and 20th Jan 2016

The main objective of this training program was to promote the applications of various mathematical programming techniques, statistical methods, and optimization techniques in the field robotics and computer integrated manufacturing. The training program was intended to provide a forum in which the participants will obtain information about recent methods and techniques to solve complex research

problems related to robotics and computer integrated manufacturing. The practical case studies were discussed in the training program to close the gap between theory and the practice of engineering using these methods.

Eminent personalities like Dr. R. Balasubramaniam, Head, Precision Manufacturing BARC, Mumbai and Dr. S. V. Ramagopal, Former Chief Scientist, CSIO, Chandigarh were present for the inauguration of the workshop. Principal Dr. Nandurkar briefed about the objectives of the workshop and felicitated the chief guests of the function. Dr. R. Balasubramaniam delivered his key note address on this occasion. Thereafter, various sessions were conducted by the experts in the field of optimization.

Dr. P. J. Pawar and Dr. K. N. Nandurkar served as resource persons for the workshop and delivered expert lectures in several sessions. 9 staff members participated in this workshop along with other participants.

■ Students Section

■ Eclat Invasion

Annual technical event Eclat INVASION – 2016 was organized by Production Engineering Students' Association on 15th and 16th Mar 2016. The event invited participation of students from various technical institutes for the activities like bike mania, 60 sec to fame, save the eggstronaut, need for speed, photography and several others. The chief guest for the event was Mrs. Jakhadi of Neha Jewellers, Sinnar.



■ Students Conference



The department of Production Engineering organized its first students' conference on Advances in Industrial Engineering, Manufacturing, Tool Design & Robotics on 5th March 2016. Dr. A. M. Chincholkar, Principal, GGCOE, Nasik inaugurated the event. More than 35 papers were presented in the conference.

■ Industrial Visit

- Saurabh Vaidya of final year Production engineering bagged first prize for his paper entitled "Design and Development of assembly fixture for Stretcher" at 1st AIMTDR students conference.
- Mohit Arvind Nighot presented a paper entitled "Dynamic Behavior Analysis Of Six axis Industrial Robot Gripper : A Review" at 1st AIMTDR students conference.
- H. M. Patil presented a paper entitled "Material Selection for front end structure of passenger bus using AHP and Performance Index method" at 1st AIMTDR student's conference.
- Meda Karan Venkatesh presented a paper entitled "Application of Optimizing techniques in auto ancillary industries for SCM" at 1st AIMTDR student's conference.
- Rathod Nikhil Janardan presented a paper entitled "Fasteners quality improvement through defects identification and analysis using computer assistance" at 1st AIMTDR student's conference.
- Rahul Soma Deshmukh presented a paper entitled "Multi Objective Optimization of Electroplating Process Using Genetic Algorithm" at 1st AIMTDR student's conference.
- Umesh S. Vidhate presented a paper entitled "Multi objective optimization of AWJC Machining process using Non sorted Genetic Algorithm" at 1st AIMTDR student's conference.

■ Students Achievements

- 15 students of final year Production Engineering kick – started their career by getting campus placements from reputed companies like BOSCH, Mahindra and Mahindra, Workz Dubai, Atlas Copco and several others.
- Ms. Khushbu Kshirsagar, student of BE (Production) received "Atlas Copco Academic Excellence Award" for the A. Y. 2015-16.

