

About the Institute:

K. K. Wagh Institute of Engineering Education and Research, Nasik is approved by the All India Council of Technical Education (AICTE), New Delhi and Government of Maharashtra, and is affiliated to the Savitribai Phule Pune University. The institute is adjudged as Grade 'A' by Government of Maharashtra. NBA-AICTE, New Delhi has reaccredited five UG Courses. The institute has a picturesque campus of 23 acres, which includes a Polytechnic, Women's Polytechnic, hostels for boys and girls and a well-equipped gymnasium. The institute has developed state-of-the art laboratories for conducting the courses in Computer, E & TC, Electronics, Production, Civil, Mechanical, Chemical Engineering and Information Technology. The intake at undergraduate level is 840 (including 1st & 2nd shift) and 228 at Post Graduate Level. The institute also has Research center in four departments. It is located in Nasik city on the Nasik-Ozhar road at about 4 km from Nasik Central Bus Stand (CBS) and 10 km from Nasik Road Railway station.

About the Department:

Production Engineering Department is one of the pioneering departments, which has produced several rankers at the Pune University Level. The Department is accredited by National Board of Accreditation (NBA), New Delhi. The department has well qualified, devoted and dedicated team of teaching faculty with a blend of experienced and young teachers. The department has started the PG programme in Production Engineering from July 2006. The department is also recognized as Research Center by University of Pune for Ph.D. studies. Two candidates have already completed their Ph.D. from our Department.

About the programme:

The main objective of this training program is 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 is intended to provide

a forum in which the participants will obtain information about recent methods and techniques to solve

complex research problems related robotics and computer integrated manufacturing. The practical case studies will be discussed in the training program to close the gap between theory and the practice of engineering using these methods. This program also offers material aimed at educating potential users working in other areas of research.

Eligibility:

Faculty members (Mechanical Engg/ Production Engg /Industrial Engg /Mathematics) of engineering colleges and polytechnics, research scholars, and professionals from industry are invited to participate.

How to apply

Interested candidate should return the completed Registration form attached with this brochure to:

Dr. P. J. Pawar

Professor, Department of Production Engineering
K.K.Wagh Institute of Engineering Education & Research
Hirabai Hadridas Vidyanagari, Amrutdham, Panchavati
Nasik 422003.

Ph. 9850972420, Email: pjpawar@kkwagh.edu.in

by Email / post / hand on or before 14 January 2016.
(Photocopy of the Registration Form may be used)

Registration Fees (per participant)

Faculty (Engg./Polytechnic): ₹ 2000/-

PG students/Alumni: ₹ 1500/-

Participant from industry: ₹ 2500/-

Registration fees can be paid in cash at the time of registration. Registration fee includes course material, tea/snacks and lunch on all days of workshop. However, participants have to make their own arrangement for dinner and accommodation.

REGISTRATION FORM

“Optimization aspects of Robotics & Computer Integrated Manufacturing”

(16- 20 January 2016)

Name:.....

Designation:.....

Qualification:.....

Experience (Year):. Teaching / Industry :.....

Organization:.....

Address:.....

Mobile No:.....

E-mail ID:.....

Signature of Applicant

Signature of Head of Institute
(Supervisor in case of Research Scholar)

Patron

Hon. Shri. Balasaheb D. Wagh
President, K. K. Wagh Education Society, Nasik

Hon. Shri. Kashinath B. Tarle
Vice-President, K. K. Wagh Education Society, Nasik

Convener

Dr. K. N. Nandurkar
Principal, K. K. Wagh Institute of Engineering Education & Research, Nasik and Chairman, IIPE Nasik Local Chapter

Coordinators

- Dr. P. J. Pawar, Professor
- Dr. S. B. Chandgude, Head,
Department of Production Engineering

Organizing Committee

Dr. S. R. Gangurde
Prof. N. B. Gurule
Prof. A. S. Kamble
Prof. S. B. Gunjal
Prof. A. B. Bhusnar
Prof. A. A. Sonawane
Prof. M. Y. Khalkar
Prof. Sudish Ray
Prof. N. K. Sonawane
Prof. V. S. Gaikwad

Schedule

Time	Activity
Day 1: 16-1-2016 (Saturday)	
09:30	Registration & Breakfast
10:00	Inaugural Session & Keynote Address 1 By Dr. R. Balasubramaniam, Head, Precision Manufacturing, BARC, Mumbai
11:30	Keynote Address 2 Dr. S. V. Ramagopal, Former Chief Scientist, CSIO, Chandigarh
12:30	Lunch Break
13:30	Session I: Optimization aspects of CIM-an overview , Dr. K. N. Nandurkar
15:30	Tea Break
16:00	Session II: Introduction to advanced optimization methods , Dr. P. J. Pawar

Day 2: 17-1-2016 (Sunday)

09:30 Breakfast
10:30 **Session III: Automation using robotics**
Mr. Pritish Chandratre, Managing Director, Rhythmsoft Robotics & Automation Pvt.Ltd., Nasik
Lunch Break
12:30
13:30 **Session IV : Performance improvement through SAP/ERP**, Mr. Vikas Patil, Manager. Mahindra & Mahindra Ltd., Nasik
15:30 Tea Break
16:00 **Session V: Advancements in CIM**, Mr. Ravi Mahadeokar, Managing Director, Summit Engineers & Consultants Pvt. Ltd., Nasik

Day 3: 18-1-2016 (Monday)

09:30 Breakfast
10:30 **Session VI: Movement control of redundant robot manipulator system for Obstacle avoidance**, Dr. P. J. Pawar
Lunch Break
12:30
13:30 **Session VII: Determination of automatic fixture configuration using GA**, Dr. P. J. Pawar
15:30 Tea Break
16:00 **Session VIII: CIM and Flexible Manufacturing Systems**, Mr. Tejas Dunakhe, Director, Hytech Educational Equipments, Pune

Day 4: 19-1-2016 (Tuesday)

09:30 Breakfast
10:30 **Session IX: Automated tool path planning in hole making operations using RCGA**, Dr. P. J. Pawar
Lunch Break
12:30
13:30 **Session X: Tool condition monitoring system for high speed milling process**, Dr. S. B. Chandgude
15:30 Tea Break
16:00 **Session XI: Robot selection using DEA**, Dr. P. J. Pawar

Day 5: 20-1-2016 (Wednesday)

09:30 Breakfast
10:30 Industrial Visit
15:30 Tea Break
16:00 **Valedictory**

One Week Workshop on

“Optimization aspects of Robotics & Computer Integrated Manufacturing”

16-20 January 2016

Organized by
Department of Production Engineering
K. K. Wagh Institute of Engineering Education & Research, Nasik



In association with

Indian Institution of Production Engineers,
(Nasik Local Chapter)

Convener

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Nasik