**REGISTRATION FORM**

**Short Term Course on**

“Fault Diagnosis of Rotating Machines and Finite Element Analysis”

5-9\(^{th}\) Jan 2015

SPONSORED BY AICTE(under QIP)

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<th>Name of Participant :</th>
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**Advisory Committee**

- Dr. O.G. Kakde, Director, VJTI
- Dr. V.M. Topkar, Dean, Resource Mobilization & Finance
- Dr. V.D. Gotmare, Registrar
- Dr. R.D. Daruwala, Dean, Academic Programs
- Dr. M.S. Panse, Dean, Faculty
- Dr. K.K. Sangle, Dean, Infrastructure and Planning
- Dr. M.A. Chakrabarti, Dean, Student Activities
- Dr. A.B. Bambole, Dean, Research and Development
- Dr. R.N. Awale, Co-ordinator, TEQIP-II

**Organising Committee**

- Dr. M.A. Dharap, Professor, Mechanical Engg. Dept
- Prof. S.H. Kulkarni, Asso. Prof., Mechanical Engg. Dept
- Dr. N.P. Gultane, Asso. Prof., Mechanical Engg. Dept
- Prof. R.M. Tayde, Asso. Prof., Mechanical Engg. Dept
- Prof. A.V. Deshpande, Asstt. Prof., Mechanical Engg. Dept
- Prof. S.G. Jadhav, Asstt. Prof., Mechanical Engg. Dept
- Prof. S.S. Barve, Asstt. Prof., Mechanical Engg. Dept
- Prof. G.U. Tembhare, Asstt. Prof., Mechanical Engg. Dept
- Dr. M.V. Tendolkar, Asstt. Prof., Mechanical Engg. Dept
- Dr. B.E. Narkhede, Head, Production Engg. Dept
- Prof. S.A. Mastud, Production Engg. Dept

**Programme Coordinator**

- Dr. V.M. Phalle, TPO & Asso. Professor
  (Mech. Engg. Dept VJTI, Mumbai)

**Programme Co-coordinator**

- Dr. W.S. Rathod, wsrathod@vjti.org.in
  Cell No. 9892201145

- Prof. H.P. Khairnar, hpkhairnar@vjti.org.in
  Cell No. 9221400737

**ONE WEEK Short Term Course on**

“Fault Diagnosis of Rotating Machines and Finite Element Analysis”

5-9\(^{th}\) Jan 2015

Sponsored by AICTE(under QIP)

**Venue:**

Mechanical Engineering Seminar Hall
Veermata Jijabai Technological Institute,
Matunga, Mumbai 400 019.

**Organized by**

Mechanical Engineering Department
Veermata Jijabai Technological Institute
Matunga, Mumbai 400 019.

Ph. : 91-22-24198200,201
Fax : 91-22-24152874
About VJTI

The Veermata Jijabai Technological Institute was established in 1887. It started with only two departments, namely the Sir J. J. School of Mechanical Engineering and the Rippon Textile School. In 1913, the Institute was recognized by the Government of Bombay as the Central Technological Institute, Bombay Province. In addition to other departments, a department of Sanitary Engineering and Plumbing was added in 1923. The department started ‘Licentiate in Civil & Sanitary Engineering programme’.

The Institute is reputed for excellent training in Engineering and Technology at Diploma, Degree, Post Graduate levels and Research. Presently VJTI offers B. Tech programmes in nine core disciplines of engineering, 16 M. Tech programmes, M.C.A. and Ph.D. programmes in various engineering disciplines. Since the time of inception, VJTI has been playing a very vital role in producing quality engineers, introducing new programmes, and electives in emerging areas. In 1998, the Institute was renamed from its old name Victoria Jubilee Technical Institute to its present name Veermata Jijabai Technological Institute. The Institute is affiliated to University of Mumbai it was one of the fourteen institutes selected by the Central Government for further development with grant-in-aid from the Centre under Technical Education Quality Improvement Programme (TEQIP - I & TEQIP - II). In 2004, VJTI received administrative, academic, financial and managerial autonomy.

About Mechanical Engineering Department

Established in 1887, the department of Mechanical engineering remains among the premier departments of VJTI. It has had a long and illustrious history and offers courses at the graduate and postgraduate levels. The department is recognized for doctoral research by the University of Mumbai. The department has kept pace with the rapid development of computer aided methods of design and manufacture with state of the art robotics and CAD/CAM facilities. The laboratories in the department are recognized in a number of areas as testing facilities. The department also has workshops for training in smithy, carpentry, welding and machine tools.

About the Programme

Nowadays most of the academic institutions having AICTE approved Mechanical Engineering branch, to be acquainted with the advances in machine design this course is useful. This special course will cover the advance study in the various applications including Machine Design, Vibration, Bearings, FEA, Cad/Cam, and Tribology.

Objective

- To develop an insight into advances in machine design, Fault Diagnosis vibration analysis.
- To know how to apply DOE to enjoy full service life of machine.
- To specify the methodologies to be adopted for machine design (Analysis bearing performance) application of FEA in bearing.
- Generating fruitful deliberations on various issues involved.

Topics for discussion

- Basics of Machine design
- Concept of FEA
- Fault Diagnosis in rotating machines
- Fluid Film Bearings
- Advanced Machine Design
- Vibration and Vibration Measurement
- Tribology
- Case Studies
- Industrial/lab Visit

Who Should Attend

Faculty of Mechanical Engineering/ Production, Electrical, Civil Engineering and Polytechnics, working Professionals, M.Tech and Ph. D Students.

Speakers

Mr. N. L. Soni, BARC, Navi Mumbai
Dr. S. K. Kamble, RCF Chembur
Dr Barun Chakrborti (L & T), Mumbai
Mr. S. R. Durugkar (L & T), Mumbai
Dr. Vikas M Phalle VJTI
Dr. Khot S. M. (Fr Agnel Vashi)
Dr. W. S. Rathod, VJTI
Prof. A. K. Gangrade, KJSCE, Mumbai

Registration

Interested faculty from AICTE approved Engg/ Polytechnics, Management Institutes only are requested to send their application form to the co-coordinators (Dr. W. S. Rathod OR Prof. H. P. Khairnar), VJTI, Matunga, Mumbai-19 by email and by post so as to reach on or before 27th December 2014. Selected participants will be informed by 31st December 2014 via email. Selection of participants will be the sole authority of organizing committee. The participant will have to send the scanned and hardcopy of DD (Rs.1000/-) drawn in favour of “Director, VJTI, Mumbai”. The DD will be returned on the first day of the course.

Registration Fee is nil.

Outstation participants will be paid 2nd Class Sleeper train / economy bus fair as per AICTE norms.