



Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

Near Jnana Bharathi Campus, Off BDA Outer Ring Road, Mallathahalli, Bengaluru, Karnataka 560 056

(An Autonomous Institution, Aided by Government of Karnataka, Affiliated to V.J.U., Belagavi, Approved by AICTE, New Delhi)
Accredited by NBA, NAAC "A" Grade



Department of Mechanical Engineering,

Department of Aeronautical Engineering & Department of Industrial Engineering & Management

AICTE Sponsored Online Short Term Training Program STTP

Series on

ROTOR DYNAMICS

Series 3 of 3 : BASICS OF ROTOR DYNAMICS



Date: 28th Dec'2020 - 02nd Jan'2021

Registration Link : <https://focus.gle/2S5suFu9Qrjz6c36>

No Registration Fee

E Certificates will be provided

Last Date for Registration: 26th Dec'2020

Contact:

Dr. T. N. Raju

rajutn.me@drait.edu.in

+91-9620397639

About the Institution

Dr. Ambedkar Institute of Technology was founded by Late Sri. M. H. JayaprakashNarayan, in the year 1980 on the ideals of the great Bharatha Ratna Dr. B. R. Ambedkar, whose life was a saga of learning and uplifting the downtrodden of the society. The Institution is one of the premier grant-in-aid by Government of Karnataka, approved by AICTE, New Delhi, Autonomous Institution affiliated to V.T.U., Belagavi and managed by Panchajanya Vidya Peetha Welfare Trust, Bangalore. The Institution offers 10 UG, 11 PG Programmes in Engineering Disciplines including MBA and MCA. In addition Institution holds currently 15 research centres recognised by V.T.U., Belagavi. The Institution is accredited by National Board of Accreditation (NBA) and by NAAC with 'A' Grade.

About the Department

The Department of Mechanical Engineering was started in the year 1980 and affiliated to Bangalore University with an initial intake of 60 for UG program. Research and Development Centre was established in the year 2000 with recognition from V.T.U., Belagavi. The department offers M.Sc Engg. by Research and Doctoral Programs(Ph.D) The department started M.Tech program in Machine Design in the year 2013. Faculty of the department are involved in various sponsored research projects and consultancy works. The department is accredited by National Board of Accreditation (NBA).

VISION

To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges in Mechanical engineering discipline and other interdisciplinary requirements.

MISSION

- To impart state-of-the-art knowledge in basic and applied areas of Mechanical Engineering - vis-a- vis the development in industries at an affordable cost.
- To provide state-of-the-art infrastructure & laboratories as necessitated from academics, to promote futuristic research in the areas of design, materials, thermal, manufacturing engineering, managerial skills and related interdisciplinary areas.
- To facilitate faculty development through quality improvement programs.
- To strengthen interaction with industries and research organizations from internship and joint research perspectives.
- To instil moral and ethical values with social and professional commitment.

Objectives of the STTP:

Modern day rotating machines demand as high rotational speeds as possible in order to realize higher and higher power to weight ratios. This basically culminate in complication related to the rotating machinery design from rotor dynamic perspectives. Rotor dynamics is a specialized study dealing with the dynamics of rotating machineries (free vibrations and forced vibrations), selection of right type of bearings, external damping devices if required balancing etc. This STTP basically concentrates on topics covering the fundamentals of rotor dynamics, conventional bearings, vibration control techniques, etc. While the rotor dynamics basics cover the importance of damped / undamped critical speeds and the influence of bearing co-efficients, the bearing related aspects details on studies related to rolling element bearings (which includes possible defects in rolling element bearings and their effects on the rotating machine performance).

This STTP brings together expertise on rotor dynamics from industry / academia/ research organizations of repute in the form of lectures in related areas. This STTP will provide the platform for knowledge dissemination of the speakers with the participants and also for initiating ideas to work and research further in the field of rotor dynamics.

CHIEF PATRONS

Sri. S. Mariswamy, The Honourable Chairman, PVP Welfare Trust.
Dr. M. Mahadeva, The Honourable Managing Trustee/Secretary, PVP Welfare Trust.
Sri S. Shivamallu, The Honourable Treasurer, PVP Welfare Trust.
Sri. P.L. Nanjundaswamy, The Honourable Trustee, PVP Welfare Trust.
Sri. A. R. Krishnamurthy, The Honourable Trustee, PVP Welfare Trust.
Dr. B.N .Umesh, The Honourable Trustee, PVP Welfare Trust.

PATRON

Dr. C. Nanjundaswamy, Principal, Dr. Ambedkar Institute of Technology

ADVISORY COMMITTEE

Dr. Nalinaksh S. Vyas, Professor, IIT - Kanpur, Former VC, Rajasthan Technical University

Mr. T. Venkatakrishnaiah, Retd Scientist 'G', GTRE, Bangalore.

Dr. V. Arunkumar, C.T.O, Dheya Technologies.

Dr. Rajiv Tiwari, Professor, IIT - Guwahati.

Dr. Seshadri Sekhar A, Professor, IIT - Madras.

Dr. Ashish Kamalakar Durpe, Professor, IIT - Delhi.

Dr. S.P Harsha, Professor, IIT - Roorkee.

Mr. Vishwanath Rao, Technical Director, GTRE, Bangalore.

Mr. T. N Suresh, Technical Director, GTRE, Bangalore.

Dr. Sanjay Barad, Scientist 'G', GTRE, Bangalore.

Mr. Ajit Kumar, Scientist 'F', GTRE, Bangalore.

Dr. Soumendu Jana, Chief Scientist, N.A.L., Bangalore.

Dr. Sadanand Kulkarni, Scientist 'E', NAL, Bangalore.

Mr. Solairaju, Scientist 'F', CVRDE, Chennai.

Mr. Raghupathy, Scientist 'F', GTRE, Bangalore.

Dr Venkateswarlu Karodi, Senior Principal Scientist, N.A.L., Bangalore.

Dr. L Ravikumar, Professor, BMSCE, Bangalore.

Dr. K.M. Purushothama, Professor, Dr. AIT, Bangalore.

Mr. Gurushankara, Managing Director, Dheya Technologies, Bangalore

ORGANISING SECRETARY

Dr. T. N. Raju, Head, Department of Mechanical Engineering.

Co - ORGANISING SECRETARIES

Mr. Doddanna K, Asst. Professor

Mr. Chandrashekar M, Assoc. Professor

Dr. H.M Somashekar, Asst. Professor

Dr. Gangadhar N, Asst. Professor

Dr. Rajeshwari P, Assoc. Professor, IE&M

Dr. Sathish S, Assoc. Professor

Dr. Nataraja M.M, Asst. Professor

Dr. Mahadevaswamy M, Asst. Professor

Dr. Mohan N, Professor, IE&M

Eligibility: This workshop is open to faculty members of AICTE approved Engineering colleges, Research Scholars working in various fields of Mechanical Engineering, persons from Industry, R&D organizations and PG scholars who have a genuine interest in the field of Rotor Dynamics.

Registration is free for the STTP and e- certificates will be provided to all participants who attend all sessions and attend the online assessment.

Registration Link : <https://forms.gle/25hsufu9Qtjz6c36>

STTP COORDINATORS

Dr. Rajesh M, Asst. Professor

Mr. Mohan Kumar B, Asst. Professor

Mr. Pavan Tejasvi T, Asst. Professor

Mr. Ramprasad C, Asst. Professor

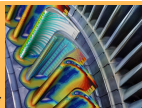
Mrs. Rathika M, Asst. Professor

Dr. Bhanupratap R, Asst. Professor

Mr. Srinuvasu N, Asst. Professor

Mr. Vishwanath M.M, Asst. Professor

Mr. Vinod K.L, Asst. Professor



ORGANISING COMMITTEE

Dr. K M Narayanappa, Professor.

Mr. Jayaram A S, Associate Professor.

Dr.B Gangadharu Shetty, Professor.

Mr. Shashikantha N, Assoc. Professor.

Mr. Srinath T, Associate Professor.

Mr. Venkatesha Reddy, Assoc. Professor.

Mr. S K Jagadeesh, Assoc. Professor.

Mrs. Preethi K, Assistant Professor

Mr. Byregowda K C, Assistant Professor

Dr. Shivappa H A, Assistant Professor

Mr. Tejesh S, Asst. Professor

Mr. Amith Kumar S N, Assistant Professor

Dr A S Prashanth, Assistant Professor

Mr. Chandan R, Assistant Professor

Mr. Manjunath H S, Assistant Professor

Mr. Jayanth H, Asst. Professor

Mr. Ranjith V, Asst. Professor

Mr. Sharath Kumar S N, Asst. Professor

Mr. Aravinda D, Asst. Professor

Mr. Rajesh Chandra C, Assistant Professor

Mr. Rajesh K, Asst. Professor, IE&M

Mrs. Sarvamangala P, Asst. Professor, IE&M