

Gearbox Design and Manufacture: Industrial Practice (GDMIP18)



Organized by
Mechanical Engineering Department
National Institute of Technology Durgapur
Mahatma Gandhi Avenue, Durgapur-713209, W.B., India
Website: www.nitdgp.ac.in

Patron

Prof. Anupam Basu, Director, NIT Durgapur

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ORGANIZING COMMITTEE

Chairman of the Committee

Dr. S. Mukhopadhyay

Organizing Secretary and Course Coordinator

Dr. Shibendu Shekhar Roy, Associate Professor

Dr. Kallol Khan, Assistant Professor

Department of Mechanical Engineering

RESOURCE PERSONS

The resource persons for this course are faculty members of IIT Kharagpur, NIT Durgapur and eminent experts from Industry like TATA Steel, TATA Motors, Flender Ltd. and from R&D organization like CSIR-CMERI, Durgapur.

IMPORTANT DATES

Last Date of Application submission: 12.04.2018

Notification for selection: 13.04.2018

REGISTRATION FEES

A. Faculty Member of Academic Institutes: **Rs. 2,000**

B. Research Institutes/Industries: **Rs. 3,000**

C. Research Scholars & Students: **Rs.1,000**

There is no registration fee for faculties, Research Scholar and students of NIT Durgapur. Registration fee includes conference kit, lecture materials and refreshment.

TARGET AUDIENCE

The course is open to faculty members, staffs, students and research scholars of Technical Institutes/Engineering colleges/Polytechnics and practicing engineers from Industry and R&D organisations.

REGISTRATION PROCEDURE

Soft copy of filled and signed registration form should be send to Email (ssroy99@gmail.com) or whatsapp no. 9434788150 on or before 12.04.18 along with details of DD/Cheque/bank transfer of registration fees.

ABOUT THE INSTITUTE

NIT Durgapur was established as a Regional Engineering College Durgapur (RECD) in 1960 as a joint venture of the Government of India and Government of West Bengal. REC Durgapur was converted to NIT Durgapur under the full administrative and financial control of the Ministry of Human Resource Development of Government of India with a Deemed University status on 3rd July, 2003. Subsequently NITD has been given the status of a University by the UGC Act. The Institute was declared an **Institute of National Importance** by the Government of India on August 15, 2007. Department of Mechanical Engineering is one of the oldest departments of the Institute started in the year 1960. The annual intake of the UG course is above 150 and that of the PG course is about 60. At present about 60 students are doing their doctoral research with the department. Department of Mechanical Engineering offers three PG courses with specialization of Machine Design, Thermal Engineering and Fluid Mechanics and Heat Transfer.

ABOUT THE SHORT TERM COURSE

This short-term course is aimed to provide sound fundamental knowledge to the participants on various design aspect of industrial gearboxes and allied machine elements. Participants will be given an opportunity to explore practical aspect in design of industrial gears and gearboxes. The course will cover the following topics
Basics of gear kinematics, Gear geometry, Gear types and selection, Gear failure, Practical aspect in gear and gearbox design, Gear inspection, Non-circular gear and Special gear, Gear lubrication, Bearings, Arrangement of bearings, Seals, Arrangement of seals, Gearbox design, Gear heat treatment, Computer Aided gear Design, Gear cutting and finishing etc..

REGISTRATION FORM

TEQIP-III Sponsored

One Week Short Term Course

Gearbox Design and Manufacturing: Industrial Practice (GDMIP)

16.04.2018-20.04.2018

Department of Mechanical Engineering,
National Institute of Technology Durgapur
M.G. Avenue, Durgapur – 723109,
West Bengal, India

1. Name: _____
2. Designation & Affiliation: _____

3. Male/Female: _____
4. Address: _____
5. Telephone No. : _____ (M)
6. E-mail ID : _____
7. Registration fees: DD/Cheque No./online transfer Ref. No. _____
Date _____ Amount _____

(In case of DD/Cheque should be drawn in favour of
“GDMIP”, payable at Durgapur, A/C No. 8569101003126,
Canara Bank, NIT Durgapur Branch, IFSC code:
CNRB0008569)

Place: _____ Signature of the Applicant

Date: _____

