

INTRODUCTION

Programme is intended to develop the machine design skills which plays an important role developing a first time right product. The programme brings an approach for making the design most optimized and error free design of any product. Quantitative design approach helps to address the right material, geometry, kinematics for simplified design. Systematic design approach reduces the design lead time, product cost, DFMA, design for cost, design for quality and design for reliability.

In view of this, IMTMA is organizing 5 days comprehensive programme on **“Essential Skills for Machine Design Engineers - Level 2”** for all the design engineers. The programme will be held at IMTMA Design Institute, Technology centre, Bengaluru.

FOCUS AREAS

- Application of Engineering materials and Heat treatment in machine development
- Driving screws - Ball screw & Lead screw - Types, selection and application
- Guideways – Friction and Antifriction Guideways - Types, selection and application
- Pneumatics and Hydraulics – What why and how?
- Design for work holding and fixturing.

KEY TAKE AWAYS

- Comprehensive knowledge in Machine Design aspects
- Knowledge on critical machine elements like ball screw and LM guides
- Reduction and optimization of design lead time
- Knowledge on Engineering materials and applications.
- Intense knowledge on Hydraulics and Pneumatics
- Know how on machining fixtures from design to manufacture.

PARTICIPATION FEE

Rs. 15000/-

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 600/-

Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

FACULTY

Mr. Ganapathi K N - Advisor - IMTMA

Is presently working as Advisor at IMTMA, having 16 years of industrial and 16 years of academic and training experience. He is a mechanical engineer with post-graduate in metal casting science and engineering. Prior to IMTMA, Ganapathi has worked at various capacities in manufacturing companies. He has a thorough knowledge of Materials, Metallurgy, Metal casting and heat treatment processes.

Mr. Shiva Kumar - Industrial expert.

Former Joint General Manager, HMT (R&D), Bangalore. He is an industry expert with over 25 years of rich experience in Design & Development of CNC Machines. Presently Mr. Shiva Kumar is a Technical Consultant to THK India Pvt Ltd and has been associated with THK Co, Ltd., for the past over 20 years.

Mr. K. Ganapathi Bhat

Mr. Ganapathy Bhatta is a Mechanical Engineer and an employability expert having 38 plus years of experience as an enabler and a passionate technical trainer in imparting and organizing technical training for newly recruited technical personnel and experienced Industrial employees and instrumental for many of them to become senior executives and entrepreneurs in India and abroad.

Has worked with M/s. LMW, GKDITR - Coimbatore, NTTF - Bangalore, M/s. Maruti Suzuki, Gurgaon, M/s. Triveni Turbines Bangalore. During his tenure, he has trained more than 10000 full-term technicians and Engineers and helped them to successfully establish their careers. Today, his trainees/students are working globally in multinational companies and many of them have become successful entrepreneurs and carrying out successful businesses in India. For Registration Contac

Mr. BL Patil - Assistant Director -Design Institute IMTMA

He has over 27 industrial work experience in the field of Jig & Fixture design, SPM design (Metal cutting), Process planning for machined components, Design of machines for Nuclear & Automation industries. Over six years training experience in IMTMA Design Institute - Bengaluru.

For Registration Contact

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.

Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.