“it’s precision that makes the world go round”

“A CAREER IN TOOL ENGINEERING AND PRECISION MANUFACTURING BECKONS AN OPPORTUNITY TO GET TRAINED IN ADVANCED FIELD OF TOOL DESIGN LEADING”

TO

M.TECH IN TOOL ENGINEERING
(Approved by AICTE-New Delhi and Affiliated to Visvesvaraya Technological University)

GOVT. TOOL ROOM & TRAINING CENTRE, RAJAJINAGAR INDUSTRIAL ESTATE, BANGALORE-560 010.
GTTC IN BRIEF

GTTC, globally acclaimed tool room and training center, is a joint collaborative venture between govt. of Karnataka and Danida, Denmark and established in the year 1972, situated in a sprawling campus at Rajajinagar industrial estate Bangalore. It is in the forefront of offering highly practice oriented quality-training activity related to design analysis productionization aspects of tools, dies and moulds at various levels with a view to address the never ending but ever growing quality technical human resource requirements for diverse manufacturing environments.

An ISO 9000-9001 organization, GTTC is in possession of a plethora of most advanced and sophisticated facilities for varieties of manufacturing activities and is also recognized as a R&D centre for carrying out research related activities in the specific areas of optimization, economization and standardization of manufacturing activities by DSIR an arm of department of science and technology, New Delhi.

VISION

To emerge as an international centre of excellence in training production, R&D and consultancy services related to tooling and precision manufacturing technology from concept to end product.

MISSION

To continuously improve the skill in training, develop innovative process to optimize productionization using latest facilities methodologies, trends, techniques to meet all stake holder needs and be the leader.
SALIENT FEATURES
- Augmented Software Training Schedules with Specific Reference to Modeling and Analysis.
- Practical Shop Floor exercises.
- Stimulating Industry Visits.
- Special Emphasis on Personality Development.
- Lecture programme by professionals of Eminence.

NICHE INSTITUTION
- Scientific analysis of Tooling through advanced Softwares
- Hands on Exposure – Students are involved in the actual design and fabrication of Tools / Dies for component production activities
- Industry-Institute-Interaction
- Dedicated Library Services
- Excellent Placement opportunities in reputed industries

ACTIVITIES PROFILE
- Offering hands – long term on-job training activities related to tools, dies and moulds at diploma, post diploma and M.Tech levels.
- Design and productionization of tools, die and moulds.
- Focused R&D activities related to various aspects of tooling and precision manufacturing, especially on process innovation, optimization and standardization.

FACILITIES AT GTTC
- Hi-tech - CNC Turning, Milling, 5-Axis CNC, WEDM, EDM.
- Tooling - injection molding, pressure die casting, mechanical and hydraulic presses.
- Inspection - Profile Projector, Universal Tool Measuring Microscope, CMM, Hardness testing
- Software - Solid Works, Solid Edge, AutoCAD, Master CAM, Pro-E, Unigraphics

ACADEMIC PROGRAMME
- The Course offered: M.Tech in Tool Engineering
  - Qualification : B.E/B.Tech(Mech/IP/AU/ME)
  - Intake : 18 No’s,
  - Duration : Two years-full time
  - Admission: Through PGCET conducted by KEA during May/June every year.
- The two year Masters Programme in Tool Engineering is recognized by AICTE and Affiliated to VTU, Karnataka, and is the ideal programme for meeting the quality human resource requirements, with its practical oriented curriculum to develop the tooling technology in diverse manufacturing environments.
The course focuses on theoretical and practical training for the students, with state of the art machineries and advanced CAD/CAM/CAE software. The tooling industry is thereby provided with a trained workforce that exploits new technology.

**COURSE CURRICULUM**

I Semester:

II Semester:

III Semester:
Internship

IV Semester:

**STUDENT PLACEMENT**
The GT&TC extends placement services for students to seek gainful employment. The student of M.Tech have had a hundred percentage placement record till today, in the fields of tool design, product design, CAD/CAM/CAE and manufacturing environments in India and abroad. This is specifically due to the committed emphasis placed on the two-way learning process in the tradition of the teaching-learning method. Many members of our alumni have migrated to Malaysia, Singapore, Germany, Australia USA and Canada, seeking greener pastures.

**Principal – PG Studies**
GOVT. TOOL ROOM & TRAINING CENTRE
RAJAINAGAR INDUSTRIAL ESTATE, BANGALORE-560 010
Ph: 080-23152118, 23152119
Fax: 91-80-23301683
Website - www.karnataka.gov.in/gttc
E-mail: md.gttc@gmail.com,
Contact no: +91-9141629584