



“It's **PRECISION** that  
Makes the **WORLD** go Round”



Bangalore



Mysore

**ADMISSION ANNOUNCEMENT  
FOR  
M.TECH IN TOOL ENGINEERING COURSE**

**2020-2021**

(Recognized by AICTE and Affiliated to VTU)

Rajajinagar Industrial Estate, Bangalore-560 010.  
Tel: 080-23402338, 080- 23152118 / 119  
Fax No: 080-23301683, Mob: 9141629584

Plot No. 93 & 94, Belagola Indl. Area, K.R.S. Road,  
Mysore - 570 016. Tel: 0821-2582750 / 2582464  
Fax No: 0821-2581851, Mob: 9141629594

Website: [www.karnataka.gov.in/gttc](http://www.karnataka.gov.in/gttc)



## ABOUT GTTC IN BRIEF

Government Tool Room & Training Centre a globally acclaimed Tool Room and Training Center is a joint venture of Govt. of Karnataka and DANIDA, Government of Denmark, established in the year 1972, situated in a campus at Rajajinagar industrial estate Bangalore.

GTTC offers high quality of professional training programmes related to Design, Analysis and production of Tools, Dies, Moulds and Manufacturing of Precision components. GTTC offers training programmes at various levels with a view to address the ever-growing requirement of qualitative technical manpower for diverse manufacturing environments.

Over the last 4 decades, GTTC has carved a 'niche' for itself as a premier tool room training institute capable of addressing the diverse human resource requirements of many a professional environments related to tooling in our country as well as overseas. Continuous improvement in the curriculum of its training programmes, in commensurate, with the demands of modern day professional environment.

## 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 stakeholder needs and be the leader.

## SALIENT FEATURES

- Lecture programme by professionals of Eminence.
- Lecture Programmes supported by Demos/ Practical's/Hand-on.
- Practical Shop Floor exercises
- Well equipped laboratories with state of art equipments for practical exposure.
- Experience sharing new R & D Project/Live case studies, etc.
- Scientific analysis of Tooling through advanced Software's
- Hands on Exposure - Students are involved in the actual design and fabrication of Tools / Dies for component production activities
- Industry-Institute- Interaction
- Provide a platform for discussing technical problems with our expert faculty, for arriving at solutions.
- Four decades of expertise in designing and delivering of training programmes.
- Excellent Placement opportunities in reputed industries



**"A CAREER IN TOOL ENGINEERING BECKONS YOU,  
HERE IS AN OPPORTUNITY TO GET TRAINED IN  
THE ADVANCED FIELD OF TOOL ENGINEERING"**

## M.TECH IN TOOL ENGINEERING COURSE

[Approved by AICTE-New Delhi and  
Affiliated to Visvesvaraya  
Technological University-Belgaum]

GTTC offers composite course in Tool Engineering with extensive coverage on Plastic Moulds, Press Tools, Die Casting Dies, Jigs & Fixtures and GD&T. The Course is designed to impart strong academic knowledge with design practice, development and manufacturing of tools and dies, with state of the art machineries and advanced CAD/CAM/ CAE software. The tooling industry is there by provided with a trained workforce who had exploited latest technology.

The Two-year M.Tech programme in Tool Engineering is unique. It is a industry-focused course, which is offered by only a few institutes in the country.

**INTAKE** : 18 Candidates,  
July/August every year

**DURATION** : Two Years- Full Time

**ELIGIBILITY** : Bachelors Degree in Engineering or Technology in Mechanical Engg./Automobile Engg./Automation & Robotics Engg./Industrial and Production Engg./Tool Engineering.

**SELECTION** : Through PG CET by Karnataka Examination Authority.

### STATE OF THE ART TRAINING FACILITIES:

GTTC has State of the Art Sophisticated Manufacturing Facilities such as 3 to 5 axis high speed CNC Machining Centers, CNC Turning Machines, CNC Turn-Mill Centers, Jig grinding, CNC Spark Erosion, CNC Wire EDM, CMM, Profile Projector, High Power Lasers for cutting and Engraving, Tooling-Injectionmolding, Pressure diecasting, Mechanical and Hydraulic presses and other conventional supporting machinery and equipments.

### SOFTWARES:

Auto Cad, Solid Works, Solid Edge, Master CAM, CNC Simulation, ProE, Unigraphics, CATIA.

## COURSE CURRICULUM

### First Semester:

Applied Mathematics, Finite Element Analysis, Press Tool Design, Cutting Tools Theory and Design, Gauges and Measurements, Manufacturing Lab-I & Research Methodology and IPR.

### Second Semester:

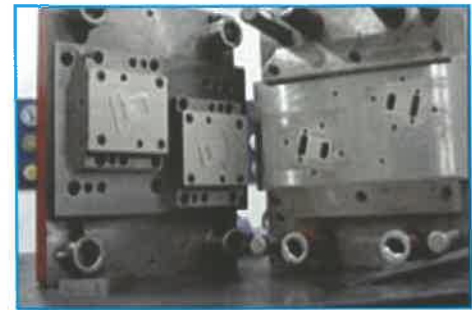
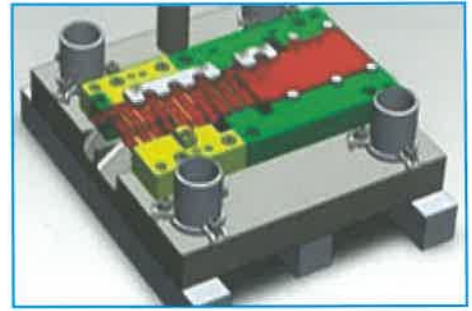
Plastic Processing, Jigs and Fixtures Design, Die Casting & Design, Advanced Material Technology, Rapid Prototyping, Manufacturing Engineering Lab-II and Technical Seminar.

### Third Semester:

Plastic Mould Design, Material Flow Analysis, Non Destructive Testing, Evaluation of Project Phase-I and Internship.

### Fourth Semester:

Project Work, Seminar and Viva Voce.



## STUDENT PLACEMENT

The GT&TC extends placement services for students to seek gainful Employment. The M.Tech Department has 100% placement record till now, in the fields of tool design, product design, CAD/CAM/CAE and manufacturing environments both in India and abroad. This is possible due to commitment by 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.



For More Details Contact : Principal-PG Studies

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