


Basic workshop:



Fitting, welding, sheet metal (Soldering) and carpentry sections are provided with adequate tools/equipment and measuring instruments to conduct practical classes for the first year students.



Coordinator details:

	<p>Mr. Santhosh Kumar K J Assistant Professor Department of Mechanical Engineering GMIT-POLYTECHNIC Davangere – 577006.</p>
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Material lab Testing:



Comprises computerized Universal Testing Machine having capacity of 40 tons, High-resolution metallurgical microscope, sophisticated Hardness testing Machines like Brinell, Vickers and Rockwell Hardness Testers, Impact testing Machines etc. Many of consultancy work we undertake in this lab and also helping M.Tech and Ph.D project students in carrying out the experiments.

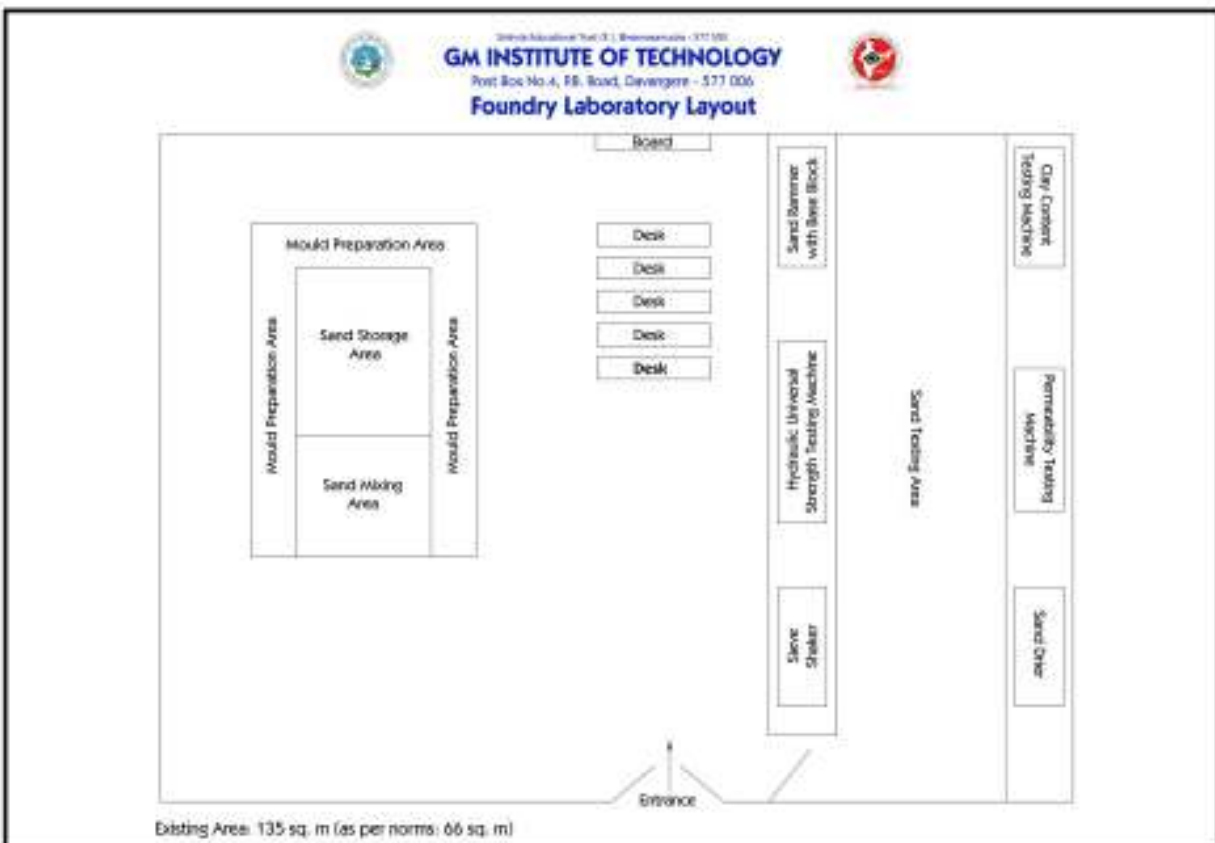


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Foundry and forging workshop:



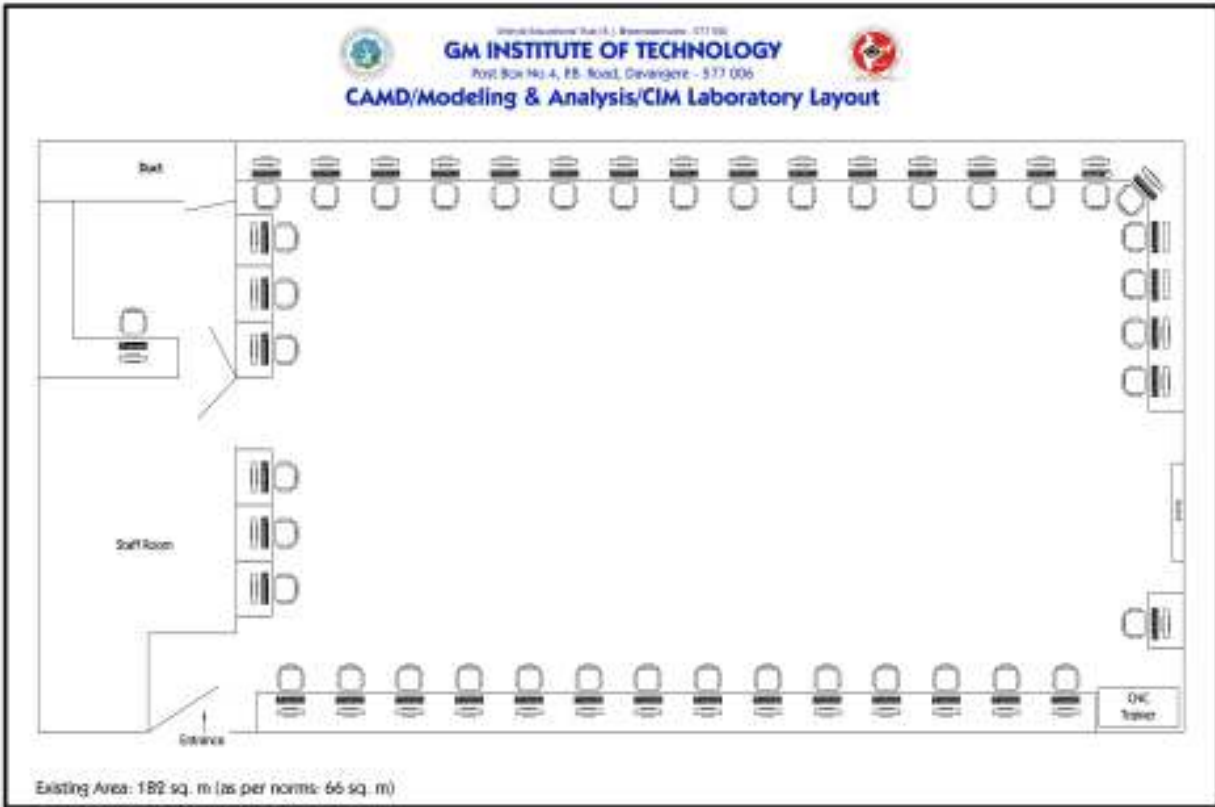
Deals with the preparation of sand moulds using both hand cutting and patterns, analyzing the properties of sand through sophisticated sand testing machines. Smithy section is spacious having good ventilation and lighting makes the students to do the practice with comfort.



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AUOTCAD & Cad/Cam:



Desktop Computer

SL. No.	Description	Specification
1	Acer - Version series	Intel Core I3- 4170 @ 3.7 Ghz, 4GB RAM, 500GB HDD, Key Board, Mouse, LCD Monitor

**Application : Computer Aided Machine Drawing,
Modeling and Analysis Lab,
Computer Integrated Manufacturing Lab**

**Supplier Address : Acer India (Pvt) Ltd., 6th Floor, Embassy Heights
Next to Hosmat Hospital ,Bangalore**



CAD stands for Computer Aided Design. CAD is used to design, develop and optimize products. While it is very versatile, CAD is extensively used in the design of tools and equipment required in the manufacturing process as well as in the construction domain. A well-equipped computer lab with advanced facilities is established for the benefit of the Mechanical Engineering students. High end terminals supported by latest hardware and software, latest visual aids, plotting devices, etc. are among them. Advanced Mechanical Engineering software's are procured for making the students globally competitive and industry ready. At CAD lab, students get professional training on 2D & 3D drafting of Mechanical Engineering drawings using the latest version of AutoCAD software. Student will learn computer aided design layout and 3D solid modeling definition. Students will also gain the knowledge of design and drafting needed for Mechanical Engineering discipline.

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Meteorology and Mechanical Measurement Lab:



Equipped with state of the art equipment like Tool makers microscope, sine bars, slip gauges, Gear tooth, micrometer, Talysurf, autocollimator, Precision micrometers, vernier calipers, calibration of thermocouple, calibration of LVDT, calibration of pressure cell.



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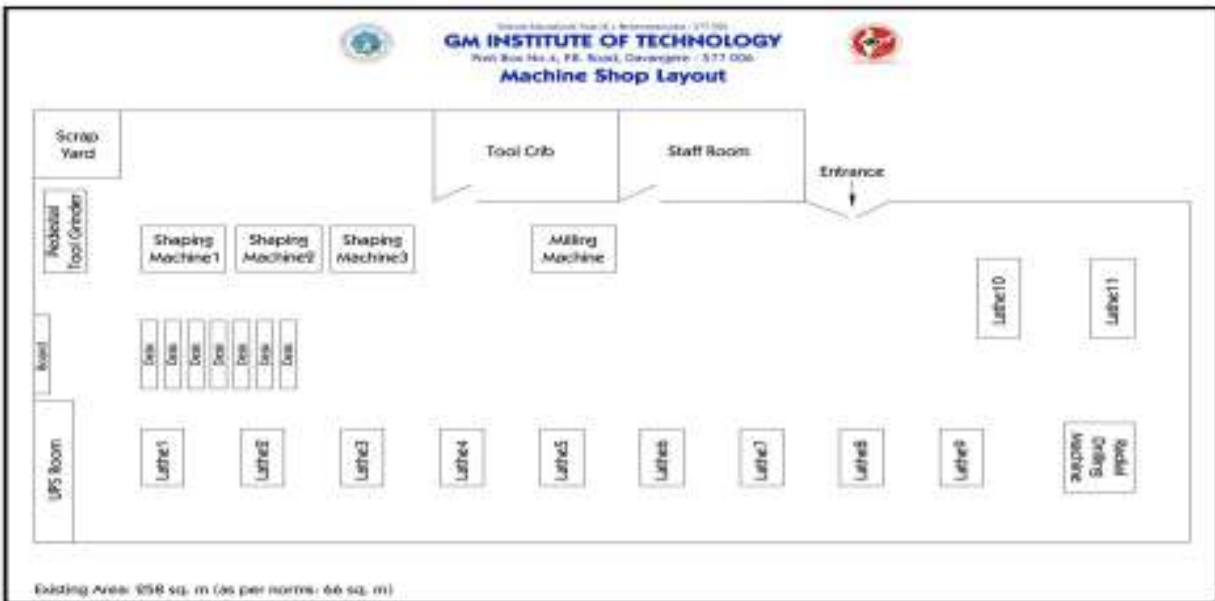
Assistant Professor

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Machine shop:



Equipped with center lathes, drilling machines, shaping machines and milling machines for doing various operations in metal cutting and preparing the models.

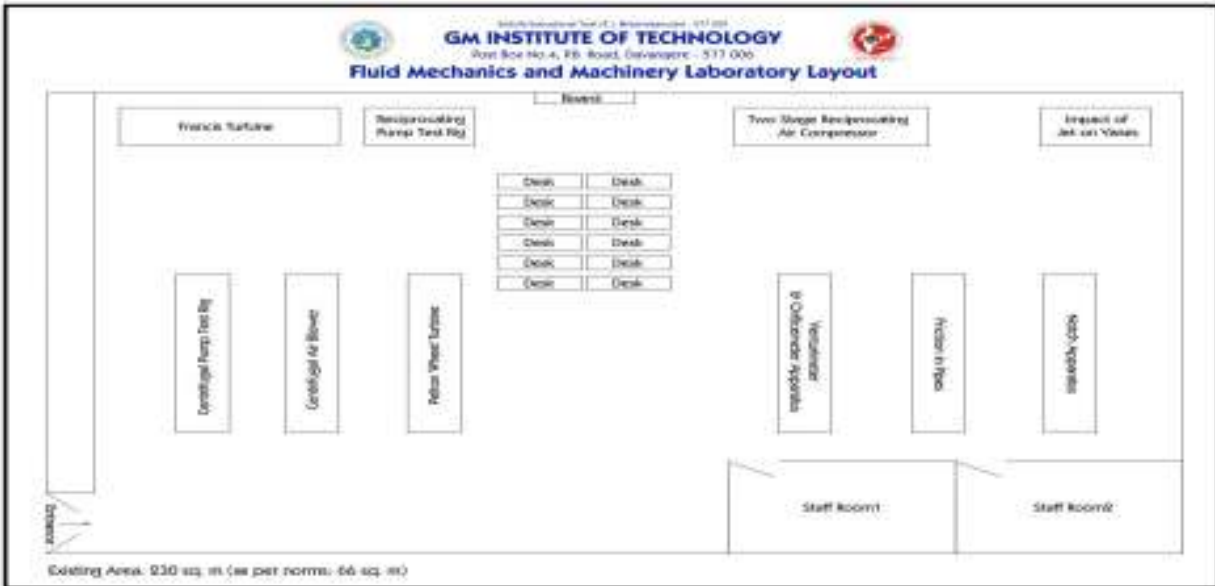


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Fluid Machinery Lab-



Well equipped with sophisticated equipment like Pelton wheel Turbine, Francis Turbine, Centrifugal and Reciprocating pumps, air compressors and Blower.



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