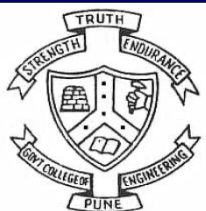


Laboratory Development with the help of industry



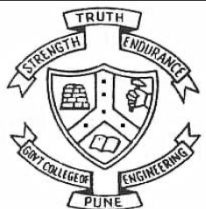
College of Engineering Pune (COEP)
Forerunners in Technical Education

Danfoss Center of Excellence RAC Laboratory



- Mechanical Department of COEP has MOU with Danfoss India Ltd. Chennai
- Danfoss setups Center of Excellence in Refrigeration and Air conditioning Laboratory at COEP

- Danfoss funded the laboratory with Rs. 45 lakhs financial support
- Danfoss India Ltd. Chennai offers Placement, summer internship, technical sessions, training program, visit to Danfoss, scholarship, research projects, expert lectures and workshop etc.



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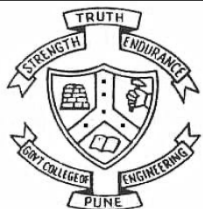
Forbes Marshall Steam Engineering Laboratory



- ❑ Major Equipments:
 - Packaged Type Boiler (Forbes Marshall)
 - Spiral Heat Exchanger
 - Plate Heat Exchanger
 - Shell Heat Exchanger
 - Tube Type Heat Exchanger

- ❑ Projects undertaken
 - Determination of dryness fraction using vortex flow meter guided by Dr. P. R. Dhamangaonkar and Dr. Shrinivasan Dattarajan from Forbes Marshall, Pune done (by Samrat Shalgar)

 - Forbes Marshall funded the laboratory with Rs. 40 lakhs financial support



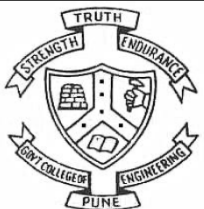
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Eaton Fluid Power Laboratory



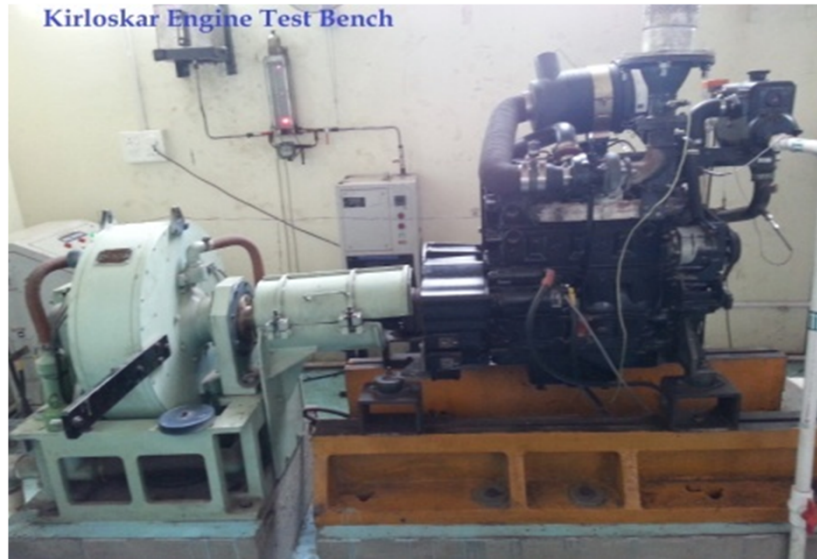
□ Major Equipments:

- Hydraulic Trainer/Pneumatic Trainers (27.00 lakhs)
- Cut Section models
- Filtration Test Rig (Proposed)
- Eaton Fluid Power Pvt. Ltd funded the laboratory with Rs. 45 lakhs financial support
- The industry is well involved in the curriculum development



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Kirloskar I.C. Engine Laboratory

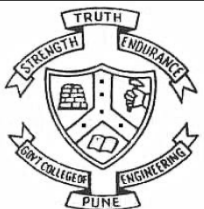


❑ Major Equipments

- Kirloskar diesel engine
- Emission test setup

❑ Projects undertaken

- Experimental investigation of operating parameters on performance & emission of single cylinder gasoline direct injection engine (Lalit katkar)
- Investigation of piston bowl geometry effects on emissions of D. I. diesel engine (Aniket Rode)
- Design and development of an ECU for two stroke S. I. Engine (Durgesh Borse)
- Implementation and Validation of After Treatment system on 3.24 litre Kirloskar Diesel Engine (Anirudh Dharmadhikari)
- Design of free piston linear generator with support of MTU Pune guided by Dr. P. R. Dhamangaonkar (Mr. Aditya Purkar)



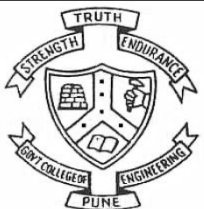
College of Engineering Pune (COEP)
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Robotics & Automation Laboratory



- ❑ Major Equipments
 - ABB 400irb, Yakasawa Motoman Series, Mistubishi Move Master, SCORBOT ER4u
 - Trainer Set up: Transducer Instrumentation Trainer kit
 - Trainer Robots: Hex Crawler, Peddler and BOE-BOT
 - Toy Robots: Robosepian, Gaming Robot, Genibo, Hex-bug
 - CRU Soldering Station

- ❑ Projects undertaken
 - Fish Robot
 - UAV-Quad Rotor
 - Multi and Finger
 - Robotic Gripper

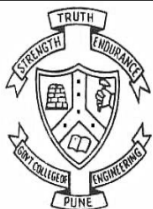


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Rapid Prototyping Laboratory (Geometric Software Ltd)

❑ Major Equipments

- Well equipped with systems which generate prototypes
- 3D scanners to acquire point cloud data

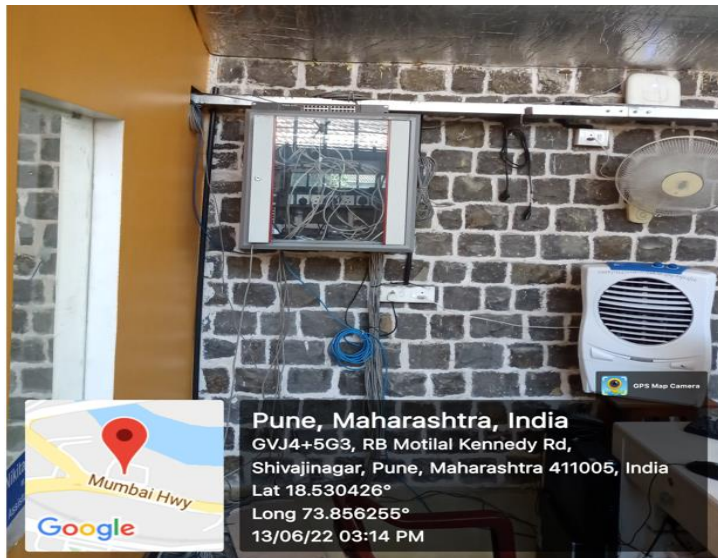


College of Engineering Pune (COEP)
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COLLEGE OF ENGINEERING PUNE

DEPARTMENT OF MECHANICAL ENGINEERING

4.1.3 Classrooms and Seminar Halls with ICT facility



Internet Facility



BSME classroom 3



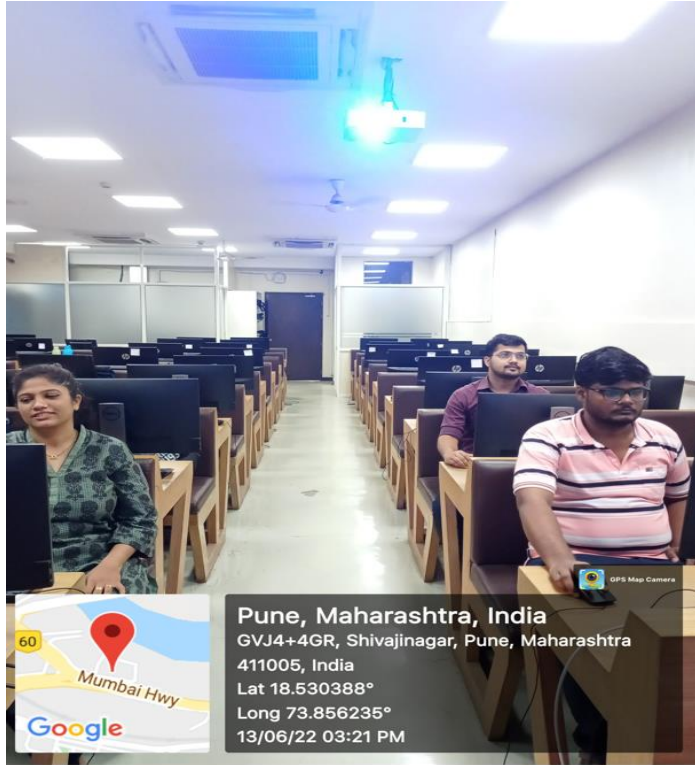
Pune, Maharashtra, India
Behind Mechanical Department, College Of Engineering
Pune Dr Baba Saheb Ambedkar Rd, Shivajinagar,
GVJ4+CG4, Shivajinagar, Pune, Maharashtra 411005, India
Lat 18.530982°
Long 73.856326°
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Internet Room



Pune, Maharashtra, India
GVJ4+4GR, Shivajinagar, Pune, Maharashtra
411005, India
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Long 73.85625°
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CAD/CAM/CAE LAB



CAD/CAM/CAE LAB



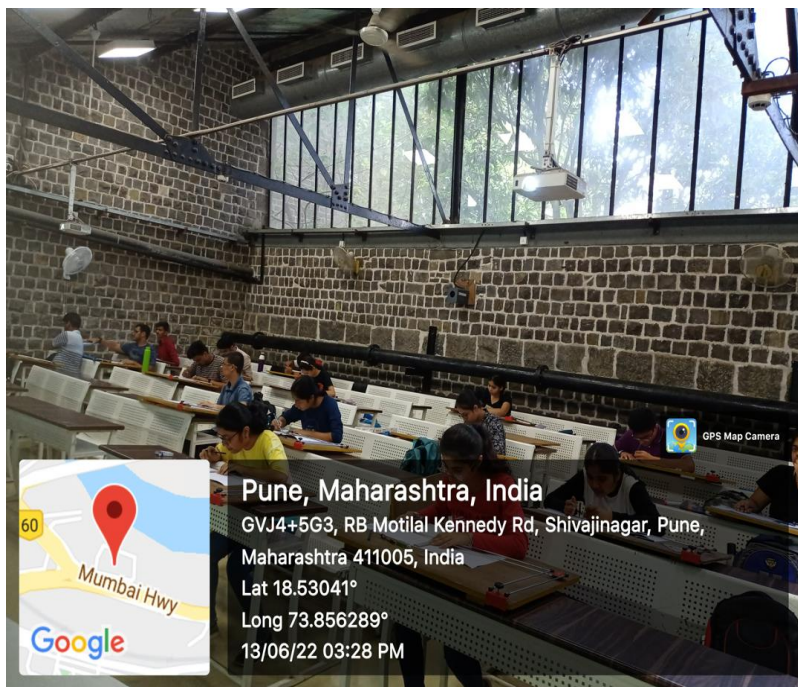
Room No. 12a



Room No. 12a



BSME classroom 1



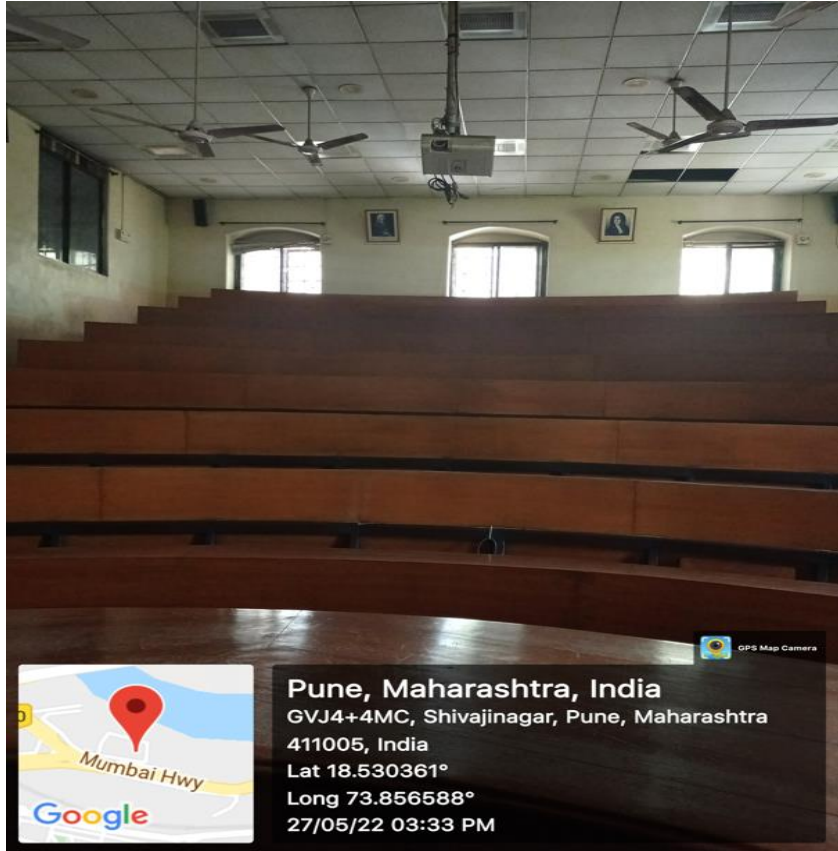
BSME classroom 1



BSME classroom 2



Room No. 11



Room No. 11