

N.B.K.R. Institute of Science & Technology:Vidyanagar
Department of Mechanical Engineering,
Research Assistance Lab facilities for UG/PG and Research scholars

The following facilities in each Stream

Thermal Engineering Stream

- Apex make VCR Computerized Research engine set up for Diesel/Boi Diesel
- EngineSoft for Engine performance and combustion analysis
- AVL make Exhaust gas analyzer (5 Gas)
- AVL Smoke meter
- Work assistance
- Guest house/Hostel accommodation (on request)
- We also provide Engine operational training for research scholars and students with engine setups available at the Department.

Production Engineering Stream

- Computerized Aluminum alloy stir casting machine
- Electronica make 50amp ZNC EDM
- 50 Ton Hydraulic press.
- TIG welding machine
- 300X300x300mm FDM machine- 3D printer

Automation and Robotics

- ABB make IRB 1600 robot
- Robostudio simulation software
- Nexrobotics make robotic research flat forms with AVR studio
- 3D Printer
- Computer Vision System

CAD/CAM/CAE

- Dassault Systemes (**Centre of Excellence**) – CATIA, ENOVIA, ABACUS, DELMIA

AVEVA COE

- AVEVA plant Design and Manufacturing System software

Virtual Instrumentation Laboratory

- Labview software
- Matlab software

- For more detailscontact
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