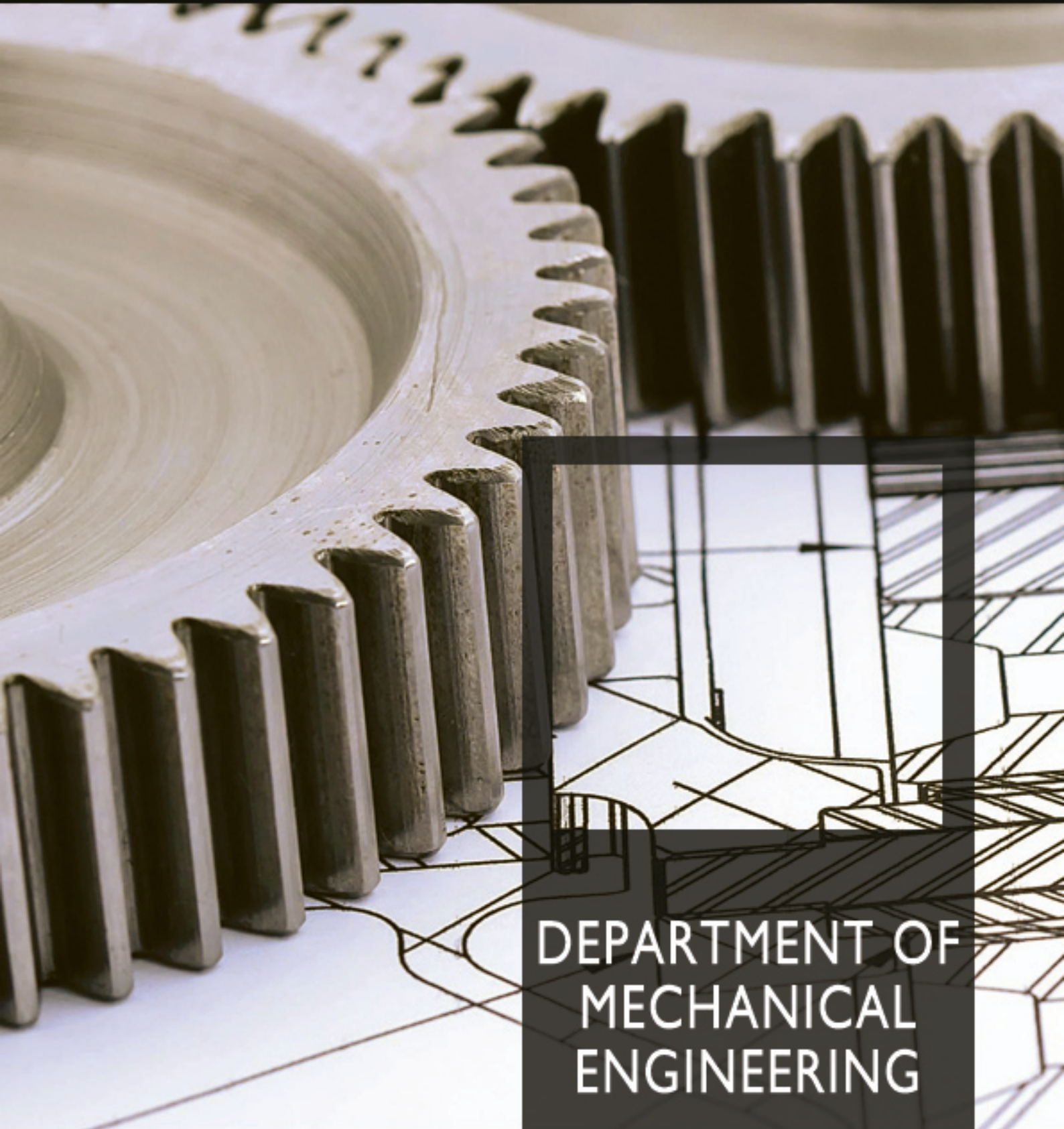




Birla Institute of Technology & Science, Pilani
Hyderabad Campus



**DEPARTMENT OF
MECHANICAL
ENGINEERING**

ABOUT THE DEPARTMENT

The fact that BITS-Pilani is a Technical University of great repute, not only in India but also all over the world need not be overemphasized. The Mechanical Engineering graduates of this University are leaders in all walks of life, particularly in technology and management among the world's best organizations. Currently the Mechanical Engineering Department is offering B. E. (Hons.) in Mechanical Engineering, the students of which have been trained in all the up-to-date areas of Mechanical Engineering as well as future technologies such as MEMS, supported by regularly revised curriculum comprising of compulsory disciplinary courses (CDCs), project type courses, elective courses and practice school(PS).

The Practice School, which all students complete in two tiers, is a unique asset of BITS students. Hands-on on workshop practices, computer aided designing, product fabrication, computer programming and scientific and engineering experimentation is highly integrated in all courses right from beginning of the four year comprehensive study. The department is valued to be around 7 crores which includes 3 major Indo-International projects.

“The Department has highly qualified and experienced faculty members with several years of teaching, research and industrial experience and exposure to international practices of technical education and research. In addition to academic excellence, most of the Mechanical Engineering students have excellent managerial capabilities inculcated through various extra-curricular activities.. If you are planning to recruit our students, I assure you that our students will be assets to your organization.



-Prof. S.P Regalla, Head of Department,
Mechanical Engineering

Notable Facilities and Laboratories

- Mechanical Engineering Workshop
- Heat Transfer Lab
- Material Testing Lab
- CAD/CAM Lab
- Prime Movers & Fluid Machinery Lab
- IC Engines Lab
- Advanced Material Joining and Characterization Lab
- Renewable Energy Lab



ACADEMIC PROGRAMS

B.E. (Hons). Mechanical Engineering.

Their core courses are:

- Applied Thermodynamics
- Transport Phenomena -I
- Design of Machine Elements
- Transport Phenomena - II
- Production Techniques
- Advanced Mechanics of Solids and Kinematics
- Powerplant Engineering
- Prime movers and Fluid Machines
- Computer Aided Design
- Dynamics of Machines and vibrations



PhD

PhD programmes are well in place under well experienced professors with proper guidance and training.

PROJECTS

The Faculty of Mechanical Engineering Department is actively involved in various consultancy projects throughout the year for reputed institutions across the nation as well as overseas. The students also contribute to the research development of the institution by successfully completing projects for the industry during their internships and practice school.

The major industry and research organizations that have entrusted us with consultancy projects are

Dept. of Atomic Energy, Govt. of India (A major project worth Rs.11.64 lacs has been funded by them under BARC) and Reliance.

RESEARCH AND COLLABORATIONS

One of the major objectives of the department is collaborative research. The department has actively encouraged joint research involving many reputed institutions and organizations. The Dept. of Atomic Energy, Govt. of India under BARC has funded the institution for some of their major projects.

PUBLICATIONS AND PATENTS

The dept. has published numerous papers in diverse fields which have made their way to reputed journals and conferences. The students also play a vital role as co-authors in several publications. The department is well known in many international and national research communities. Faculty have also published books under major publications.

Journals - 38 ,

Conferences - 72 ,

Books published - 2

These are in the areas of

CAD/CAM,

Rapid Prototyping,

Computational Fluid Dynamics,

Manufacturing Technology under elevated temperatures

Renewable Energy systems.



CONTACT INFORMATION

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