

FAQ 1: How does the course structure of this program differ from a regular BTech in Mechanical Engineering?

Ans: As the name suggests, the emphasis of this program is more on mechanics and its applications to problems encountered in research and industry. The thrust is on solving the problems using analytical, experimental and computational tools. In today's world computational tools are required to tackle major real life problems which may not be covered in the core courses of conventional disciplines. The programme includes courses like FEM, CAD and CFD as a part of the core curriculum. Further, the curriculum has specialized/advanced courses in emerging areas such as Biomechanics, Nanomechanics, Machine Learning and AI.

FAQ 2: Will this new B. Tech. degree be accepted by the companies for placements?

Ans: Certainly! the program has been developed keeping in mind the emerging needs of industry as well as academics. In a meeting with Industry experts, the program was highly appreciated.

FAQ 3: Will my options be limited for higher studies (M.Tech./MS/PhD)?

Ans: Not at all. In fact, this program may be more attractive when it comes to choosing higher studies as your career goal. You will be able to apply to fields in Mechanical Engineering, Civil Engineering, Engineering Science, Computational Science etc for Masters and PhD degree upon completion of the Bachelors program.

FAQ 4: Is the coursework of this B.Tech. rigorous?

Ans: Yes, but in an exciting way! We believe you will love the subjects and the way you will be taught these courses. Exposure to a variety of engineering applications and interdisciplinary areas make the course very exciting and industry oriented.

FAQ 5: Why has no other IIT offered it before?

Ans: We feel that this is the right time to launch such a broad based and interdisciplinary mechanics course. IIT Delhi has a separate Applied Mechanics Department since its inception, which has been teaching fundamental courses in engineering, solid and fluid mechanics to undergraduate students of all disciplines. So it is natural for such a course to emerge from the Applied Mechanics Department at IIT Delhi. The other IITs and universities are likely to follow suit.

FAQ 6: What will be my pay package for campus placement after this B.Tech.?

Ans: Pay package is a function of time, degree, demand. We anticipate it to be excellent because of the emphasis on computational skills. The core engineering companies (Aerospace, Automotive, Infrastructure, Biomedical etc,) will hire students from this branch.

FAQ 7: Is this new B.Tech. for me?

Ans: If you enjoyed studying mechanics in your school or while preparing for JEE, you will certainly like it. Since the program goes far beyond the basic course in Mechanics due its strength in computational and experimental aspects, you will surely enjoy this course.

FAQ 8: I want to work in the field of aerospace or aeronautics. Since IIT Delhi does not have a programme in the field, can I pursue this after finishing B.Tech. in this new program?

Ans: Yes, since many of the courses in aerospace engineering (Structural Mechanics and Fluid Mechanics) are covered, you will be able to pursue this field after completing this B. Tech.