

## ABOUT THE INSTITUTION

BITS Edu Campus was established in 2004, under Shree Krishna Educational Charitable Trust. It is one of the most premiere and highly ranked institute in Gujarat state and affiliated with Gujarat Technological University. The institute is accredited by International Accrediation Organization (USA) running in two shifts with five disciplines (CE, ME, EE, EC, Civil). Institute has a lush green campus with full Wi-Fi connectivity and equipped with modern equipments and workshop.

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering came into existence in the year 2004. The department has 41 qualified and dedicated faculty members with specialization in various areas like Production Technology, Machine Design, CAD-CAM and Thermal System Design. The department is conducting U.G. program in Mechanical Engineering and P.G. program in Advance Manufacturing System. Faculties of the department encourage students for research and development through their projects and dissertations. Many students have secured gold medals and university ranks consistently under the guidance of well educated, hardworking and devoted faculty members.

## PROGRAM STRUCTURE

### M.E (Advance Manufacturing System)

**Total Intake: 24**

The program structure is as per new syllabus framed by GTU. It is a two year (four semesters) post-graduate program. The first year (2-semesters) consisting of subjects related to advanced manufacturing and the second year (2-semesters) focuses on research through Dissertation Phase-I and Phase-II.

## COURSE OBJECTIVES

The objectives of course are to develop expertise in following areas:

- 1) Advanced Manufacturing Processes
- 2) Micro/Nano Manufacturing
- 3) Materials and Production Technology
- 4) Simulation Modeling in effective decision making
- 5) Manufacturing Automation
- 6) Robotics & Artificial Intelligence



## ELIGIBILITY CRITERIA

B.E./B.TECH. in Mechanical Engineering or Production Engineering or Mechatronics Engineering or Industrial Engineering or Manufacturing Engineering or equivalent qualification with minimum 50% (45% for SC/ST/SEBC candidates) at the qualifying examination. Admission to the course is through Admission Committee for Professional Courses (ACPC) as per government norms. Hostel facility is available for outstation students in the campus.

## CONTACT PERSON

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