





**Gujarat Technological University**  
**G H Patel College of Engineering & Technology (GCET)**  
**Admission to M.E. Mechatronics**

Mechatronics is a rapidly developing interdisciplinary field of engineering. It deals with the synergic integration of mechanical engineering, electronic engineering, computer technology and control engineering in the development of electromechanical products, through a unified design approach. In the present age of automation mechanical structure cannot be separated from electronics or electrical connections and control. Hence, the scope and potential of Mechatronics branch is virtually unlimited and incomparable. GCET is pioneer in India to start the Mechatronics Engineering programme at under graduate level in the academic year 1998-1999 with an intake of 40 students which was further revised to 60 in academic year 1999-2000.

GCET started new AICTE approved Post Graduate programme, **ME Mechatronics**, from academic year 2012-2013 with a sanctioned intake of 18 students. The aim of starting the programme is to impart broad and multidisciplinary engineering concept, as any conventional undergraduate curriculum in engineering does not provide it. It will be a good platform for all those who want to pursue the career in the fields of automation, robotics, control, etc.

The department has nine laboratories with state of the art experimental facilities and latest software versions. Mechatronics Systems Laboratory, Computer Aided Manufacturing Laboratory, Robotics Laboratory, Sensor Technology Laboratory and Projects Laboratory are the core laboratories of the department. The major equipments of the laboratory includes: Bosch Hydraulic Training and Testing setup, Bosch Didactic Training Software, LSM control package, XLTURN slant bed lathe machine, STARMILL CNC Vertical Milling machine, Virtual Reality Robotic Kit, SCORBOT ER V plus Robot & Autodesk Inventor Professional Software, B&R Industrial Automation PLC-power panels, Sensor Kit, Cut viewer offline CAM software, E-Yantra MEDO the design software, ANSYS, MATLAB etc.

**Remarks of Alumni :**

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| <p><i>“Well before starting the job even I didn’t know the importance of the Mechatronics line. Actually we can be a link between a core mechanical and core Electronic engineering.” <b>Dhruvil Shah</b> – Awarded Gold Medal by GTU.</i></p>     |  |
| <p><i>“Especially I am grateful to Mechatronics Dept where we have very skilled and experienced teachers. In 4 years I have got to learn so many things and I realize its value when I stand among a group of people.” <b>Parth Rawal</b>.</i></p> |  |
| <p><i>“Laboratories are equipped with modern equipments that are necessary for the proper enrichment of knowledge amongst the students.”- <b>Milan Virani</b>.</i></p>   |  |
| <p><i>“I am delightful to see that this institute has guided my path to the best. I am feeling lucky enough to be a part of this institute and can proudly say that I am a part of Mechatronics Department.” – <b>Dhaval Shah</b>.</i></p>         |  |

For admission and related information visit the following websites: [www.jacpcldce.ac.in](http://www.jacpcldce.ac.in) ; [www.gcet.ac.in](http://www.gcet.ac.in)

Eligibility for PG course in Mechatronics requires the UG degree of any of the following branches:

- Mechatronics Engineering
- Mechanical Engineering
- Production Engineering
- Electronics and Communication Engineering
- Instrumentation and Control Engineering
- Electronics and Telecommunications Engineering

PG Convener (Mechatronics)

Dr. Sanket N. Bhavsar

Professor & Head - Mechatronics Department

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