



The LNM Institute of Information Technology, Jaipur

Department of Mechanical-Mechatronics Engineering

Centre for Robotics and Industrial Automation (CRIA)



Specialization in Robotics and Automation

Introduction

MME department enables this Specialization in collaboration with the Centre for Robotics and Industrial Automation (CRIA), which is multidisciplinary Centre meant for research and development in various areas of Robotics and Industrial Automation. Currently anchored by the Department of Mechanical-Mechatronics Engineering.

It is proposed that students of Mechanical Engineering be given an option of a Specialization in Robotics & Automation, provided they study a specific stream of courses related to this domain. The Specialization in Robotics & Automation will provide the needed boost and broad exposure to advanced concepts, latest tools, and involved analytical methods in the fascinating world of Robotics & Automation. It will enable the students of ME stream to acquire additional key skills and expertise beyond the knowledge gained in B. Tech. curriculum. Robotics and Automation Specialization will enable students to gain expertise in next generation robotics and automated machines.

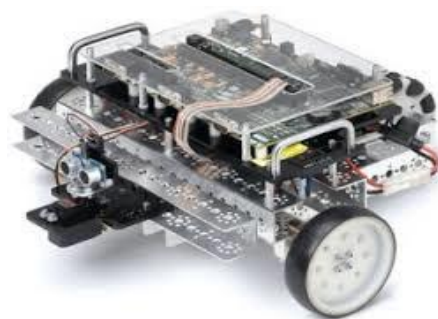


Eligibility Criteria

- The eligibility criteria at the time of admission in the B. Tech program will be the same as the institute's criteria.
- The eligibility criteria for admission at the beginning of the 2nd semester will be a minimum of 6.0 CGPA in the 1st semester.

Scope

Robotics and Automation is a field of Engineering that involves the conception, design, manufacture, and operation of robots and automated machines. It is a combination and overlaps many fields of Engineering including Electronics, Computer Science, Artificial Intelligence, Automation, Mechatronics, Nano Technology and Bio Engineering.



Award of Specialization

Upon completion of the additional 5 courses and 1 major project along with B.Tech. curriculum, the student will be eligible for the award of Honors degree in Mechanical Engineering with Specialization in Robotics & Automation as per academic norms.

Selection Criteria

Admission in the specialization can be sought two times, one at the time of B. Tech admission and the second at the end of the 1st semester.



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