



Minor in Robotics and Automation

Introduction

MME department enables this minor 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.

Minor in Robotics and Automation will enable students to gain expertise in next generation robotics and automation systems. Minor will exposure to our students to various multidisciplinary courses from different disciplines and preparing them to think about robotics from a holistic approach. This program will prepare a skilled industry workforce as well as expert researchers who will lead the technology oriented world of automated machines and industrial robots. The students will have career opportunities in manufacturing, research and engineering, agriculture, mining, space exploration, power-plant maintenance and a variety of other areas.



Selection Criteria

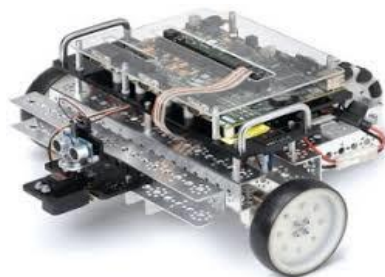
Admission in Minor can be sought at two times, one at the time of B. Tech. admission and second at the end of 1st semester for the remaining vacant seats.

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.

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, and the final merit list will be prepared based on small interactions with students by an appropriate committee.



Total Number of Seats

It is proposed that total number of seats for Minor in Robotics & Automation will be limited to 20.



Award of Minor

Minor will be a set of 5 courses with 1 major & 1 minor Project affiliated to any one of the niche areas, which are unique in the sense that there is no double count of courses. These courses will be offered within the duration of the B.Tech. program through regular or summer term courses. However, flexibilities may allow even those students who may do it with spending one or two terms over and above for completing their minors. Those who fulfill all the requirements of a minor successfully will get an additional transcript stating details of the courses in the minor.



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