EmR (Embedded Systems and Robotics Club)

Embedded Systems & Robotics Club, NIT Kurukshetra is an earnest endeavor in the automata domain. The brainchild of a diligent student fraternity, the club aims to elevate the standards of the institute by pioneering quality learning and guidance in the field of robotics. A huge student community fancies the world of robotics and the club aids this materialization. The salient feature of the club is that it aims at evolving the seeds of knowledge in this novice chunk, nurturing them into future technocrats. The club welcomes all those with a spark, who crave to dig into this vast promising realm, and ensures a 24x7 lucid mentorship.

VISION: *"Engineering Education should orient towards Innovation"*
Innovation refers to the practical implementation of theoretical knowledge with new aspects.
The increasing economic growth and competition in the global market lead the public and private sectors to seek innovation in the field of engineering and technology. In this scenario club effort is orient towards providing the common platform for the knowledge and opportunity to implement the innovative ideas.
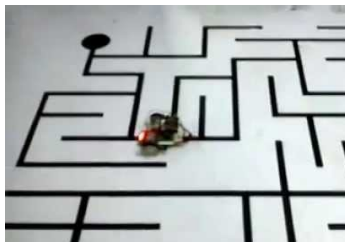
MISSION:
The mission of Embedded Systems & Robotics Club is *"to provide the platform where ideas amalgam to create real time applications by sharing the knowledge and technical skills."*

OBJECTIVES:
- **To garner, share & apply the knowledge and technical skills to contemporize classroom learning and practical approaches.**
- **To provide a platform where ideas are materialized.**
- **To undertake projects that complies with industrial and commercial requirements.**
- **To be reckoned as a premier collegiate robotics club in the region/country.**
- **To enhance group values, promote teamwork among the members.**

Events:

Maze Up: Design a Maze Solver Autonomous Robot that has the capability to exit a maze on its own.

Robo Soccer: There will be 1 vs 1 match between 2 teams each using a remote controlled or autonomous robot to play football.

Pixar: Event using the concept of Digital Image Processing to solve a problem related to feature extractions or detection.

Black And White: Given a raw black and white picture (the picture may be faded or blurred), task would be to provide colors to that image in most beautiful way with the help of digital image processing tools.

Workshops:

EmR club is well known for organizing various workshops and interactive sessions regularly in the field of embedded systems, DIP, IoT and related fields.

Faculty-in-Charge:

Dr. Gaurav Verma

Student Representatives:

- A. Chaitanya Sri Krishna, President-8295142463
- Kartik Vashisht, Vice-President-8295156523
- D. Nithish Kumar Reddy, Secretary-7093514137
- Khushboo Yadav, Additional Secretary, Tech-Lead(Embedded)
- Harshita Kumari, Joint Secretary
- Robin Badsara, Tech-Lead(DIP)
- Akshay Kwatra, Tech-Lead(Recent Technology)