

GETTING STARTED WITH ROBOTICS

Robotics is a fascinating field that allows machines to get work done under minimal human control. In the past few decades, Robots have reached new heights in the modern industry, space exploration, manufacturing, and entertainment industry. The continual and rapid progress of Artificial Intelligence, paired with readily available sensors and a steady demand for efficiency, created the perfect storm for engineered innovation.

"Getting Started with Robotics" is the first event conducted by ACROM-IEEE RAS in the academic year 2021-22. The main focus was to impart knowledge of robotics to the students of the college. It was an insightful session on the field of robotics and the plethora of opportunities available.

The event took place on 21st October 2021. It began at 4:30 PM and concluded at 5:30 PM. There was a total of 38 participants from different streams who attended this event.

It commenced with a welcome note by Thanya Ramanathan, Secretary of the club. Mr. A.A. Nippun Kumar, Assistant Professor, Dept. of Computer Science and Engineering, mentor of ACROM RAS, presented the event.

He spoke about robotics, technological advancements, and the scope of research in this field. The learning ranged from the history of robotics to the current trends. This informative session guided students by enlightening them about the diverse domains and the campus projects.

At the end of the session, Mr. Nippun Kumar addressed the student's queries. The organisers collected feedback from the participants. It suggested that they found the event very informative. They also conveyed that they are looking forward to more such events.

Getting Started With Robotics

43:27

Request control

Mr. Nippun Kumar A.A.

RESEARCH SCOPE IN ROBOTICS

- ▶ Industrial robotics
- ▶ Intelligent Transportation systems
- ▶ Search and Rescue Robots
- ▶ Space Exploration
- ▶ Robotics in Agriculture

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9th September 2020

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24

Mr. Nippun Kumar A.A.

Yash Hemav... RS

Rupak N S

Ruthvik K

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TRENDS IN ROBOTICS

- ▶ IEEE Computer Society's top 10 technology trends
- ▶ Business Insider's 12 tech trends
- ▶ fortune.com's 4 Technology Trends That Will Transform Our World
- ▶ thenextweb.com's 13 tech trends that shaped 2017 and new predictions for 2018
- ▶ Accenture's technology vision 2018

Mr. Nippun Kumar A.A.

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18

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52:54

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GETTING STARTED IN ROBOTICS

Beginner Level

Learning Stage
Basics of Embedded Systems

Hands On Stage
Start building your own robot

Testing Stage
Robotics Competitions

L1

Intermediate Level

Learning Stage
Basics of Robotics

Hands On Stage
Hardware Level/
Software Level

Testing Stage
Robotics Competitions & Projects

L2

Advanced Level

Learning Stage
Robotics Research

Hands On Stage
Hardware Level/
Software Level

Testing Stage
Robotics Competitions, Projects & Papers

L3

9th September 2020

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30

Mr. Nippun Kumar A.A.

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Rupak N S

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