



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES

(Declared as Deemed to be University under Sec. 3 of the UGC Act. 1956)

A CHRISTIAN MINORITY RESIDENTIAL INSTITUTION

AICTE Approved & NAAC Accredited

Karunya Nagar, Coimbatore - 641 114, Tamil Nadu, India.

DEPARTMENT OF ROBOTICS ENGINEERING

ROLE OF ROBOTICS AND AI IN INDUSTRIAL AUTOMATION

REPORT

The Department of Robotics Engineering, Karunya Institute of Technology and Sciences organized a Webinar on the topic “Role of Robotics and AI in Industrial Automation” on 12th of June 2021 at 6 PM for students of the department. The following topics were covered during the Webinar.

Resource Person:

DANIEL M. STEPHEN, Lead software Engineer,
Altran Technologies.

Topic:

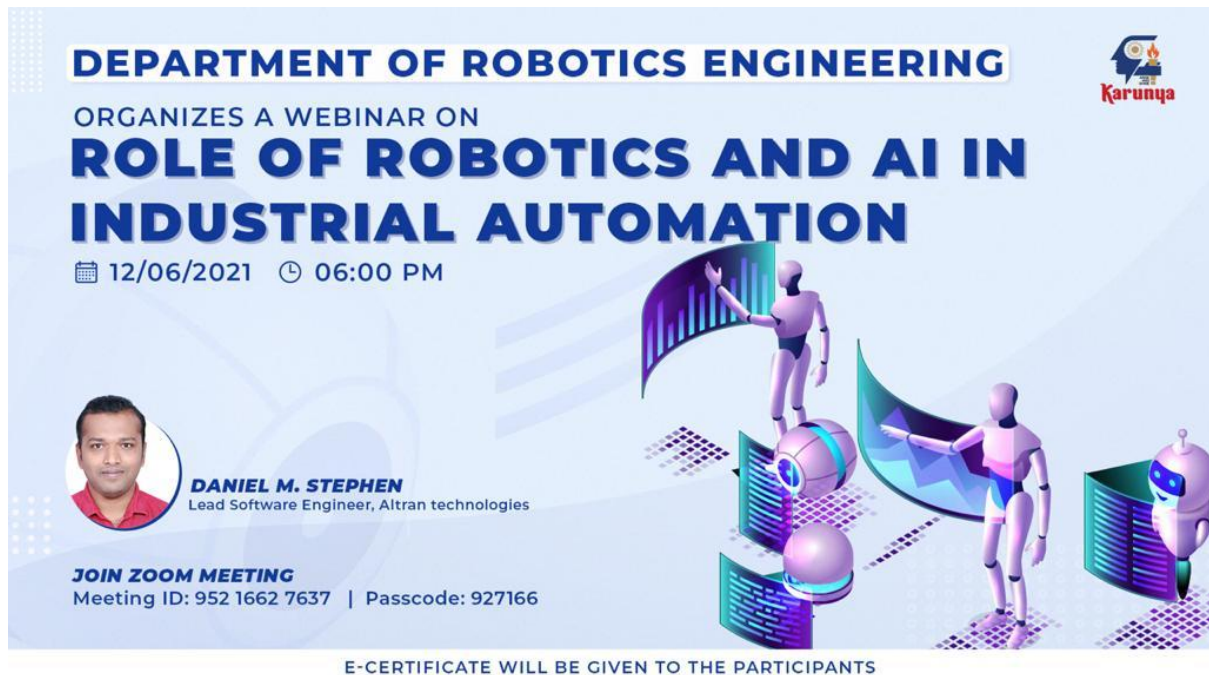
- The role of Robotics and AI in Industrial Automation, by which computers are programmed to mimic intelligent learning behaviors to find solutions to problems, has begun to reach into every corner of our lives.
- IIoT is combined with artificial intelligence and big data to offer clients deeper insight into the data they collect through IoT sensors by way of predictive analytics. This can help manufacturers make better business decisions.
- AI in industrial manufacturing is an ensemble of various use cases at various phases of manufacturing, such as generative design in product development, production forecasting in inventory management, machine vision, defect

inspection, production optimization and predictive maintenance on production phase.

- Big data and AI give Industry 4.0 a huge boost. Intelligent software solutions can use the high volumes of data generated by a factory to identify trends and patterns that can then be used to make manufacturing processes more efficient and reduce their energy consumption.

Number of Students Attended: 96

Photos



Faculty In-charge

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