28/03/2023, Tuesday

ARDUINO & RASPBERRY PI BOOTCAMP REPORT

VENUE: NI Academy and research lab, ESB Block, Main Campus, SRM Institute of Science and Technology.

DATE: 28 March, 2023

TIME: 9:00am – 5:00pm

SPEAKERS: Mr. Aryan Anand, Mr. Yuvabharat

AGENDA:

- Introductory speech.
- Briefing on motors.
- Detailed orientation on Arduino and its types.
- Simple Arduino programs.
- Sensor integration.
- Introduction to Raspberry pi.
- Certificate distribution.

The "Arduino and Raspberry pi Bootcamp" was conducted on 28 March,2023 at Ni Academy and Research lab, SRM Institute of Science and Technology, Kattankulathur. The bootcamp mainly focused on sensors integration techniques and actuators control system. The bootcamp begun at 9:00 am with an inspiring introductory speech on the overall agenda of the camp and the need for Arduino and Raspberry pi for projects and skill development in recent years by the speaker Mr. Aryan Anand. Then a brief note on motors and its types was delivered by the speaker. The aspiring participants were given a detailed information on the Arduino and the different types of Arduino boards used in various times. The use of Arduino and its advancement in projects of different domains were also discussed. Later, simple Arduino programs were performed and integration with the system and boards were experienced by the participants. At the meantime the speakers clarified the doubts and helped the participants on their hands-on

practice. Students from other colleges also actively participated and engaged in the workshop more effectively. The use of sensors in Arduino based IoT was also elaborated to the students and also project ideas on Arduino were conferred to the students. Basic sensor modules were also executed for a clear understanding on Arduino. The bootcamp continued with the introduction of Raspberry pi and it's evolution. The speakers also explained the usage of the board in different industries including its performance and development. This helped the students in clarification on their doubts and gave a complete understanding on how they can be successful engaged in various innovative projects. The bootcamp ended with the distribution of certificates to the participants along with a vote of thanks by Dr.Preetha J Roselyn, Coordinator, SRM MTS student chapter.

Thank you