SRI VENKATESWARA COLLEGE OF ENGINEERING

(An Autonomous Institution -Affiliated to Anna University)

Sriperumbudur- 602 117

Department of ELECTRICAL AND ELECTRONICS ENGINEERING

ASSOCIATION OF ELECTRICAL AND ELECTRONICS ENGINEERS

Solicit your esteemed presence for the Inauguration of the

Four Day Certification Course

On

Fundamentals of Robotics

09th to 12th March 2020

ALL ARE WELCOME

Venue   : Video Hall

Date   : 09th March 2020

Time   : 9:30 A.M

REPORT ON THE FOUR DAYS WORKSHOP ON FUNDAMENTALS OF ROBOTICS

Date: 09.03.2020 – 13.03.2020   Time: 08:00 AM to 3:15 PM (IST)

Objectives (Maximum 50 words):

The main objective of this workshop is to provide the platform where the students can learn all about robotics and build their very first robot. It was a well-planned session to provide both theoretical and hands on session. The whole session was organized by the third-year students of the EEE department with the main motive of providing the students with a friendly learning experience.

About the program (Min 500 words):

A four-day course on Fundamentals of Robotics for the first-year students of EEE department was organized by 13 third-year students of EEE, under the Association of Electrical & Electronics Engineers. The participants were divided into teams and each team was allocated a mentor. The course syllabus was approved by the Principal and Vice-Principal of SVCE. The course aimed to dive deep into the fundamentals needed to start a career in the field of robotics. As working with and programming a robot can be abstract, we focused on learning by examples by covering the basics with hands-on exercises. The students were made familiar with the term robotics and its real-time industrial applications. They were taught the working of basic hardware components used when building a robot. We covered the basics of sensors and the motor driving operation. The course focused on building an interest in developing programs by giving them simple tasks to complete. The students worked with Arduino IDE and Arduino Development boards.

Benefits (Maximum 50 words):

At the end of the four days workshops the participants had a clear foundation of the Fundamentals of Robotics. On the last day, the students were able to build line follower, obstacle avoider and Bluetooth controlled robots, and bring their own ideas on robotic design into life. On the fifth day all the students were tested based on their theoretical knowledge, which all of them passed with flying colors. This workshop allowed the students to practically program robots, by which they were able to discover if they have aptitude and interest in this field.

<u>Prepared by Faculty Name, Designation & Dept.</u>

Ms. S. ANITHA, ASSISTANT PROFESSOR

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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