



**AARUPADAI VEEDU
INSTITUTE OF TECHNOLOGY**
OMR, PAIYANOR, CHENNAI - 603104



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



Accredited by NAAC



Approved by AICTE

**DEPARTMENT OF MECHANICAL ENGINEERING
&
ASSOCIATION OF MECHANICAL ENGINEERS OF AVIT- (AMEA)**

ORGANIZED

Workshop on “ROBOTICS AND NEW TECHNOLOGIES” ON 12/07/2019.

The Department of Mechanical Engineering and Association of Mechanical Engineers of AVIT (AMEA) organized an One day seminar on ‘ROBOTICS AND NEW TECHNOLOGIES’ on 12th July 2019.

Robots incorporating the newer technologies are used to develop machines that can substitute for humans. Robots can be used in any situation and for any purpose, but today many are used in dangerous environments (including bomb detection and de-activation), manufacturing processes, or where humans cannot survive. The objective of this workshop is to make students understand the basic concepts of robot designing and its applications. **Mr. D. Vignesh, Head of Training and Mr. N. Shyam Sundar, Head of R&D**, INROLABS Pvt Ltd (Partner for SP ROBOTIC MAKER LAB) are the subject experts .Prof. L. Prabhu, Head – Department of Mechanical Engineering briefed the need for organizing this workshop and motivated the students to effectively utilise the workshop. About 53 students were participated in the Workshop.

The students had an interactive session with the experts and the following contents were discussed.

- Career training
- Robotics competitions
- Employment
- Human-robot interaction
- Research in robotics
- Robot programming & software
- Android Phone Controlled Robot





LEARNING OUTCOMES:

- Students gained an appreciation of the effort needed in construction and have a sense of achievement for the new technologies.
- Students are encouraged to do hands on training for assembling and modelling of Robots.
- This is a creative approach for learning through real life exposure, mechanical innovation and simultaneously promotes to do projects by involving Robots.
- Students will be able to participate in the Technical Events and Robotic Events organized by IITs, NITs and Institute of National repute.

The programme was conducted to enhance the Technical skill of the students in Robotics and new technologies. The vote of thanks was given by Mr. M. Saravanan, Assistant Professor, Mechanical Department.