

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

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Report on
A Workshop on Robotics

02 - 06 November 2018

Submitted by: Dr. Subhasish Mahapatra, Coordinator, COER

The event was started by Dr. Subhasish Mahapatra, Coordinator, COER. He highlighted the importance and benefits of the workshop especially for the students of MITS, Madanapalle. The objective of this workshop was to train the students and **faculties** for 5 days and students will continue their research on robotics for a complete year. Hence, 63 students had been trained for this workshop and groups of 5 members are formed to conduct the research activities. They categorized the groups in 3 different robot designs: Breadbotix, Autonomous and Underwater. The program schedule for the workshop followed as

- First day: Our experts delivered a basic idea about robotics followed by the mechanical designing of the robots assigned to each group.
- Second day: The students were trained to do circuit designing for the robots as well as programming of the specified robots.
- **Third to Fifth day:** The students and faculties are trained for hands on experience in moving the robot and to do motion planning and also an interactive session was conducted with the students and faculties to ensure the continuation research in future.

Apart from that, Sakrobotix Lab has provided 12 robots to our college which were designed by our students and faculties during the workshop. In future, they will also provide more robots to our college to conduct the research program.

Overall the workshop was **informative and the students and faculties were** gained all the basic knowledge about Robotics designing, programming and motion planning. The Lab is going setup in our campus very soon in which our students and faculties will do research in future.

