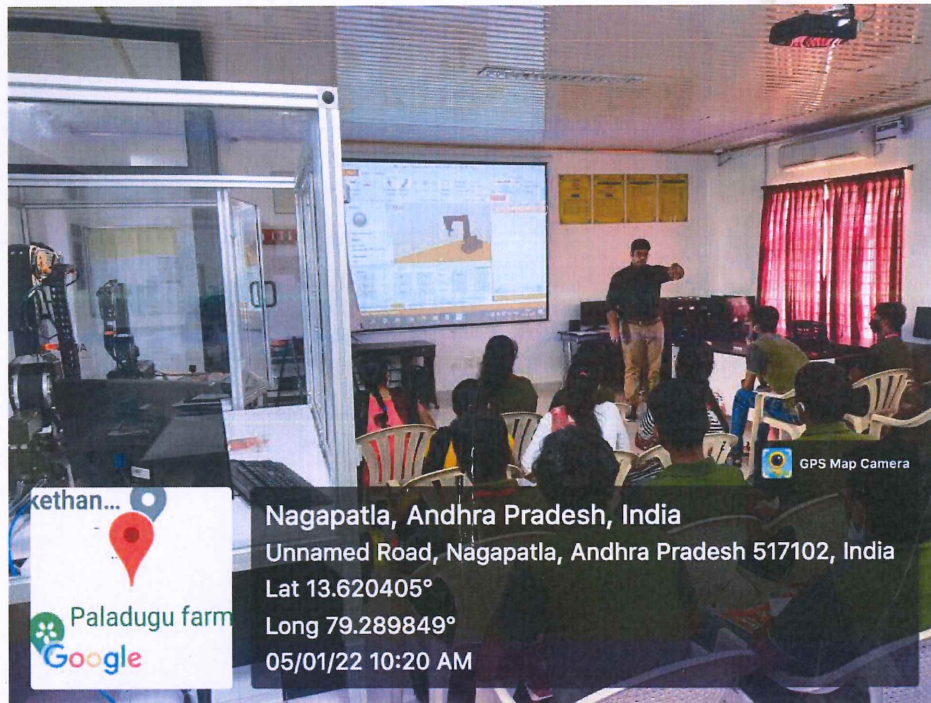


Department of Mechanical Engineering

Two Day Workshop on "PRACTICAL APPLICATIONS OF AUTOMATION USING ROBOTICS:A HANDS ON TRAINING"

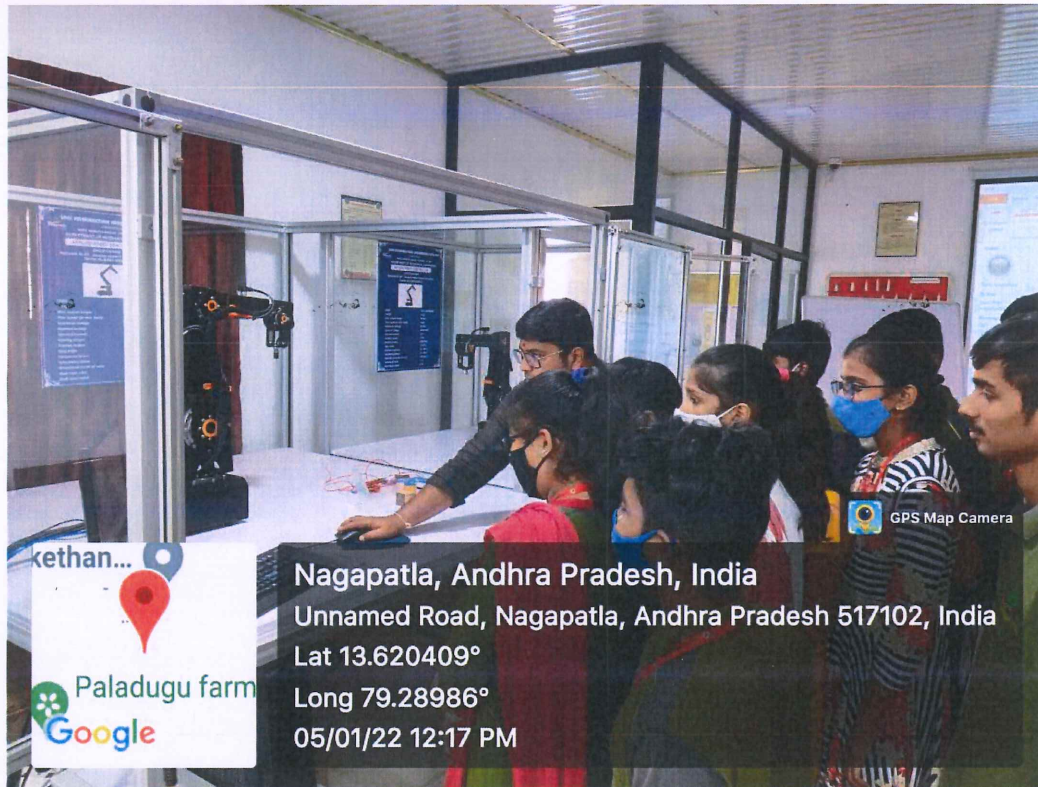
4th to 5th January, 2022

The Department of Mechanical Engineering organized a two day workshop on "Practical Applications of Automation using Robotics:A Hands on Training" is held on 4th to 5th January, 2022. The resource person is Mr.P.Pavan kumar, Assistant Professor from Siddharth Institute of Engineering & Technology, Puttur, Andhra Pradesh. 32 number of students are attended the program, the program which includes introduction, training on various organizations and in-house faculty.



Mr.P.Pavan kumar delivering his talk to the participants.

The program is begin with Welcome speech followed by reading of resource person's brief profile by Mr. S. Praveen kumar, Asst. Professor, Dept of Mechanical Engineering, SVEC. Mr.P.Pavan kumar started his talk with discussion about the need and importance of Robots in various fields in engineering.



Mr.P.Pavan kumar hands session by using robot arm.

Hands-on-training sessions were conducted in the afternoon using robotic kits. Dr.K.C. Varaprasad, professor in mechanical engineering department has taken a session on IGUS software to move the robot arm, trained the students to do pick and place operations, and collaboration between two robot arms by using IGUS programming language.

In the last session a talk is extended on future scope of Robotics in medical, manufacturing sectors, aerospace and other industries etc.

- . Exposure to high end technologies, international collaborations and innovations at bachelor's degree level, making them stand out from their peers.
- How to train for higher education in robotics inside and outside country, how to locate research institutions in Germany.
- How to get Certification from reputed German Universities, on Successful completion of the courses and placement opportunities in robotics area.




Dr.K.C. Varaprasad explained IGUS software to operate the robot arm.

The resource person encouraged the participants to show interest on the robotics. Through this expert talk, following outcomes were observed. students and faculty members:

- Acquired information about the science behind the robotics .
- Acquired knowledge on applications of artificial intelligence.
- Gained knowledge on operating robots, drone and 3D printer.
- Gained knowledge on robotics ,automation and its application .

Co-coordinator: **Mr. GM. Surendranatha, Asst. Professor.**

Coordinator of the Program: **Mr. S. Praveen kumar, Asst. Professor.**


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