ACROM &IEEE-RAS

WEBOTS WORKSHOP

ACROM & IEEE-RAS of Amrita School of Engineering (ASE), Bengaluru hosted a 2 days' Workshop on "**Webots Simulator"** on 19/03/22 and 20/03/22 delivered by **Nippun Kumar A.A.** The workshop adds on several insights about advantages of simulators in the field of robotics and gave demonstration of working with the Webots along with a simple application.

In the Day-1 we discussed about introduction to robotics and introduced various available Robotics simulators. Then followed by introduction to our main webots simulator interface, wherein Nippun sir has demonstrated the various sections of webots and its uses. Lastly, we concluded our Day-1 by designing a four wheeled robot in the simulator by creating the environment, chasis design and wheels design and resolved few queries of participants.

Our Day-2 of the workshop covered the basic movements of a mobile robot initially, then we followed by interfacing sensors to our designed mobile robot and designed an obstacle avoidance application with the robot and concluded the session successfully by explaining the future scope and importance of simulation when working with a hardware model.

Gallery:

Poster

AVAILABLE SIMULATORS

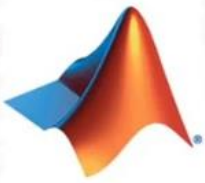
- Open Source Simulators
  - Player/Stage
  - Gazebo
  - V-Rep/CoppeliaSim
  - Webots
  - Others
- Licensed Simulators
  - MATLAB
  - Microsoft - Robotic Developer Studio

CoppeliaSim
from the creators of V-REP

GAZEBO

Webots
robot simulation

aws RoboMaker



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