

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



The poster is for a "HANDS-ON WEBOTS WORKSHOP". At the top, there are logos for IEEE Robotics & Automation Society ASEB Student Branch Chapter, AMRITA VISHVA VIDYAPEETHAM, and ACROM. The main title "HANDS-ON WEBOTS WORKSHOP" is in large white letters on a blue background. Below the title, there is a small image of a red and green robot on a checkered floor. To the right of the image, text says: "Webots is a free and professional robot simulator that can create a 3D virtual world of your dreams! Join us to build numerous robot models and controller programs!". Below this, it says "Open to all colleges!". The speaker is listed as "Speaker: Mr. Nippun Kumar A.A., Assistant Professor, Dept. of Computer Science and Engineering, Amrita School of Engineering, Bangalore". There is a section for dates: "Mark your calendars on 19th and 20th March Time: 9:00AM to 2:00PM". To the right, it says "Check our website for more info" with a QR code, and "Register here" with another QR code. At the bottom, there is a contact section: "Contact us: Ruthvik K : +91 9290020011, Daibaan : +91 8506900092". The bottom of the poster features logos for IEEE Bangalore Region and IEEE Robotics & Automation Society Bangalore Chapter. There is also a small illustration of a person wearing a headset and working on a laptop.

IEEE Robotics & Automation Society ASEB Student Branch Chapter

AMRITA VISHVA VIDYAPEETHAM

ACROM

Webots
robot simulator

HANDS-ON WEBOTS WORKSHOP

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Join us to build numerous robot models and controller programs!

Open to all colleges!

Speaker: Mr. Nippun Kumar A.A.,
Assistant Professor, Dept. of Computer Science and Engineering
Amrita School of Engineering, Bangalore

Mark your calendars on
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Time: 9:00AM to 2:00PM

Check our website for more info ↓

Register here

Contact us:
Ruthvik K : +91 9290020011
Daibaan : +91 8506900092

Technical sponsors

IEEE BANGALORE REGION

IEEE Robotics & Automation Society BANGALORE CHAPTER

AVAILABLE SIMULATORS

Open Source Simulators

- ▶ Player/Stage
- ▶ Gazebo
- ▶ V-Rep/CoppeliaSim
- ▶ Webots
- ▶ Others



CoppeliaSim
from the creators of V-REP



Webots™
robot simulation

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