

**Amrita Vishwa Vidyapeetham, Bangalore Campus**  
**Amrita Club for Robotics and Mechatronics (ACROM) & IEEE Robotics**  
**and Automation Society Student Branch Chapter (RAS)**

**Event Report**

**ROS2 Workshop conducted during Dastaan-23**

On 24<sup>th</sup> November as a part of the techno-management fest, our club conducted a ROS workshop that covered the basics of ROS2.

The event was conducted from 9:00 a.m. till 4:30 p.m.

The main objective of the event was to introduce students to robotics and robotics operating system (ROS) and its applications in day-to-day life. Students from various fields were encouraged to participate in the workshop to spread awareness that robotics is not limited by the field of expertise. The participants were taught about the need for robots, the basics of ROS2 and its architecture. The participants then delved into ROS2 by coding basic programs in ROS2. The workshop then shifted to simulating robots with ROS2 in a Gazebo environment. This helped the participants visualize the code they created. The purpose of ACROM& IEEE-RAS is to educate students of any and all fields about robotics and its concepts. This helps them be future ready and be able to use their knowledge to apply robotics concepts and build robots in engineering environments.

The workshop witnessed a total of 32 registrations from various technical fields.

The event concluded with a live session with Orangewoods. A 6 DOF manipulator which utilizes ROS as its framework was deployed and shown to the participants.

Gallery:

