

# Sri Sai Ram Engineering College Department of Instrumentation & Control Engineering



## Report

### Webinar On Robotic Operating System

22<sup>nd</sup> May, 2021 Saturday 3PM-4PM

Resource Person : Mr. Arun Balaji

Project Engineer,

Department of Robotics and Automation Engineering,

PSG College of Technology,

Coimbatore

#### **Webinar Coordinator**

Assistant Prof. Mohan Raj K
(Department of instrumentation
and control engineeringSri SaiRam Engineering College)
(IEEE RAS Student branch advisor)

#### Conveners

Sai Dasaradharam G
Vignesh B S
(Members of IEEE RAS)

#### Written By:

Sai Dasaradharam G Sai Santosh L Vignesh B S

#### Preamble:

The IEEE's Robotic Automation Society at Sri Sai Ram Engineering College in association with IEEE RAS society at PSG college of technology, conducted the webinar on the topic "Robotic Operating System" on 22nd May , 2021 from 3PM to 4PM. The Speaker was MMr. Arunbalaji, Project Engineer, Department of Robotics and Automation Engineering, PSG College of Technology, Coimbatore.

#### **Event Summary:**

The webinar began with a formal Welcome address given by Sai Dasaradharam G on behalf of IEEE RAS, Sri Sai Ram Engineering College. Also the HOD of Instrumentation and Control Engineering, Mrs. T. Mangayarkarasi, welcomed everyone to this webinar. Sai Dasaradharam G, then introduced the speaker, Mr. Arun Balaji, briefly. Then, Mr. Arun Balaji Started the webinar by stating the agendas of the webinar "Robotic Operating System". He projected a clear understanding about Robots, sensors and controllers, Also he gave an idea about Robot programming and why do we need OS in robots. Then he discussed some of the free Robotics Software Framework simulators like Gazebo, Rviz and Movielt. He gave a brief explanation about ROS and started with an example listing out the challenges that we will be facing when working on that. He also presented a simulation of a working robot using a gazebo simulator. He provided us with some open source links and tutorials to learn and practise. He also listed the Future scope of ROS and he discussed the Job opportunities once we Take ROS as a career option and ended the session from his side. He then replied to the guestions asked by the students. A Feedback form was provided to the students for the webinar. At the end of the webinar, Vignesh B S offered his thanks to Mr.Arun Balaji, along with other IEEE heads. He thanked all of the invited guests and participants for their solemn presence.

#### POSTER OF THE WEBINAR:















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Student Branch Chapter





Resource Person

Mr. A. Arunbalaji

Project Engineer Robotics & Automation Engineering PSG College of Technology, Peelamedu, Coimbatore, TN,India.

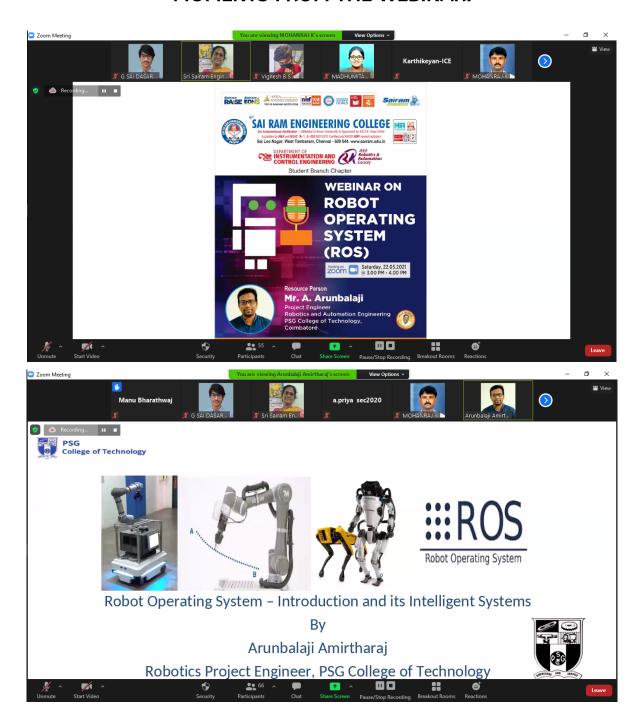
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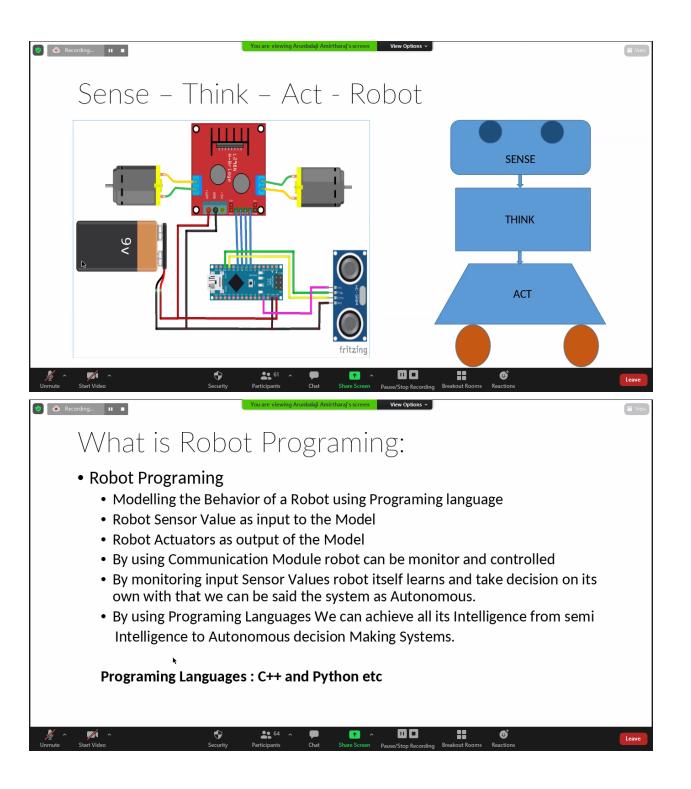


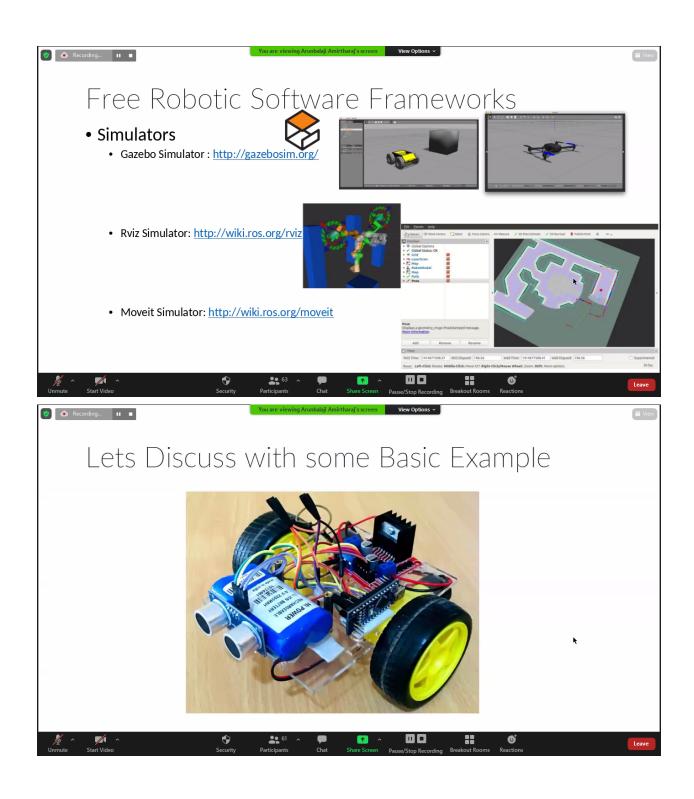
Mr. K. Mohanraj IEEE RAS Advisor Prof. T. Mangayarkarasi HoD/ICE Dr. A. Rajendra Prasad Principal / SEC Shri. Sai Prakash LeoMuthu Chairman & CEO

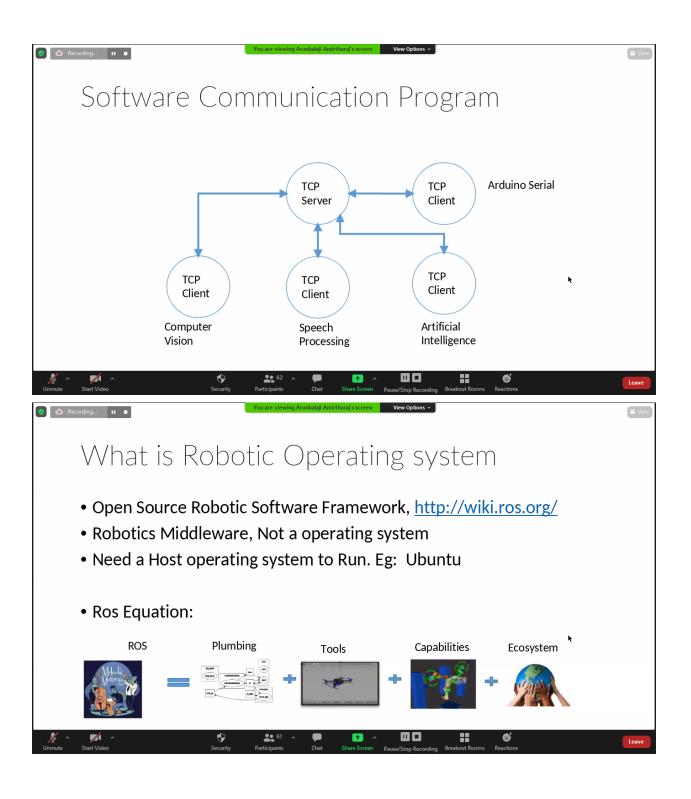
@ 3.00 PM - 4.00 PM

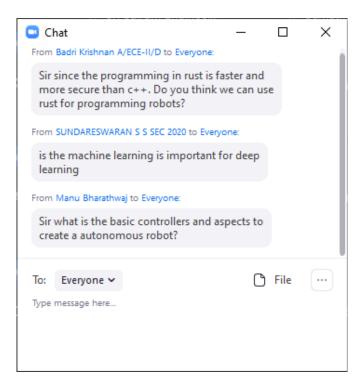
#### MOMENTS FROM THE WEBINAR:



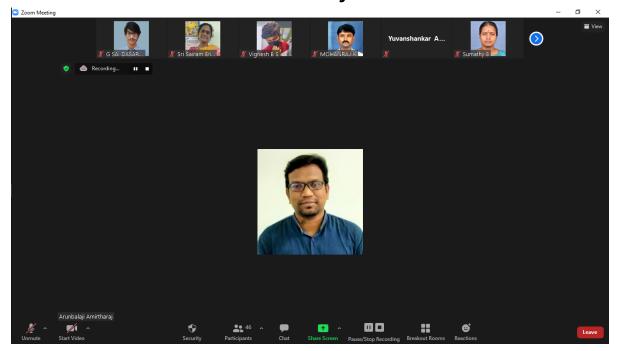








Questions asked by students.



The objective of the webinar was achieved.

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