REPORT: ISA VIT Pune Student Section Activities

INTRODUCTION

ISA VIT Pune Student Section in collaboration with the Department of Instrumentation Engineering, VIT Pune has been conducting many Workshops, activities and Internship opportunities on the college level as well beyond that. The following report summarizes briefly all the activities that were held under ISA VIT Pune Student Section since the month of April 2020 till date.

- Summer Internship Program

As the academic year 2019-2020 came to an end, ISA VIT Student Section announced **Summer Internship Program** wherein many interesting summer internship opportunities were offered to the students of Instrumentation Department.

Some of the companies and industries that hired students for the same were Vitronics Controls Pune, Bi-Embedly Technologies LLP Pune, and others situated in Pune city. There were also some internships based on work from home basis. There were opportunities ranging from 2 month-based to 6 month-based internships. Many students actively participated in this summer internship program and benefitted through the same.

- Curtain Raiser-Zeroth Event

For the beginning of the new academic year 2020-2021, ISA VIT Pune student section hosted an online **Curtain Raiser ceremony** for opening of its club in Vishwakarma Institute of Technology on 29 September 2020. Google meet platform was used for the same. ISA aims to create better world through automation henceforth was the objective for launching this club in VIT. ISA club aims to offer numerous opportunities to the students from leading innovators, to share best practices and to drive the implementation of new products.
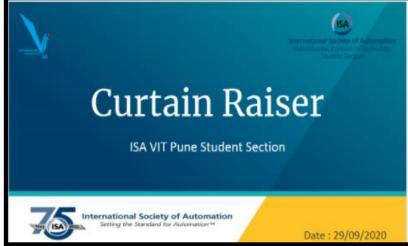
The ceremony held on 29th September witnessed a good number of audiences on a virtual platform. Almost 100 participants were present in this online session. The Chief guests for the event were Mr. Vikas Anwekar, President of ISA Pune Section, Dhamankar Sir, Iyer Sir, and Bapat Sir. ISA even hosted a blog writing competition and the results for the same were announced at the end of ceremony. Moreover, the student section's Annual calendar of events consisting of all the planned events for the year 2020-2021 was launched on this very occasion.

- Android App Development Workshop

ISA VIT Pune student's Chapter hosted an online **4 – Days Android App Development workshop.** Google meet platform was used for the same. The AAD workshop commenced on 15th October 2020. It was a 4-day event and was taught by three instructors- namely Shubham More from who taught basics of php, javascript and API integration, Shardul Inamdar who taught mainly Flutter software, and Mr. Vishal Katore who took over for the session of website and App launching.
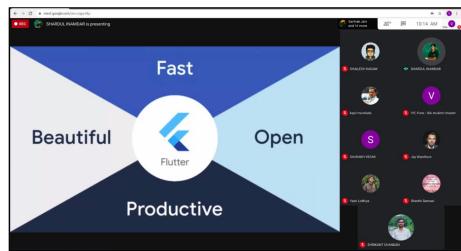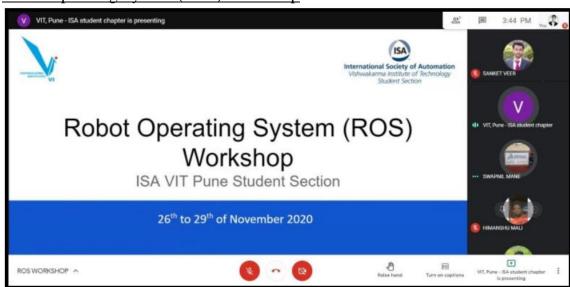
There were 97 participants who registered for this workshop. All the participants were engaged thoroughly through the whole workshop and were learning eagerly about app development.

Participants' feedback was really very good, and the event was very successful. Learning from the mistakes of past event our team did a great job in this event and promise to keep improving and present the better version of our team in every coming workshops and events of ISA VIT PUNE Student section.

- Robot Operating System (ROS) Workshop

ISA VIT Pune student's Chapter hosted an online **4 – Days ROS workshop.** Google meet platform was used for the same. The Robot Operating System workshop commenced on 26th November 2020. It was a 4-day event and was taught by three instructors- namely Swapnil Mane from TY Instrumentation who taught basics of 3-D modelling, Mr. Pranshu Tople who taught mainly ROS basics and Gazebo, and Mr. Prateek Nagras who took over for the Q and A session on the last day.

Though the participants in the workshop were completely new to this technology, they had a very nice experience and were interested throughout the workshop and enjoyed learning new things.

All the participants had their minds filled with treasure of knowledge showered upon by our instructors. Participation feedback was really very good, the event was very successful. Learning from the mistakes of past event our team did a great job in this event and promise to keep improving and present the better version of our team in every coming workshops and events of ISA VIT PUNE Student section.

- Industry Projects offered by ISA ACARD

ISA VIT Pune Student Section in collaboration with **ACARD** i.e., **Automatic Controls and Robotics Division** of ISA announced Industry projects for TY students and semester long Internships for Final year students under the **FIEPER- Field Operator Robot** project. Various projects were offered to students for a time period of August 2020 to December 2020. The project head for this program is Mr. Anand Iyer and the Faculty advisor for the same is Prof. Kapil Mundada.

The projects were offered to students in the month of August itself. A total of 6 groups from TY Instrumentation department have participated in this industry project and 2 Final year students from Instrumentation department are a part of the 6-month long internship program under the same.

Regular monthly meetings were also held to keep a note of progress of each group participating in these projects. The groups are working on various topics like Automatic locomotion, object detection, gauge reading, flare detection, leakage detection, etc and are working their level best for optimum results.