

||Jai Sri Gurudev||

## S J C Institute of Technology, Chickballapur

Event No.13

Event Name:

Event Date

### CONVOLUTION NEURAL NETWORK INTRODUCTION, IMPLEMENTATION AND APPLICATION

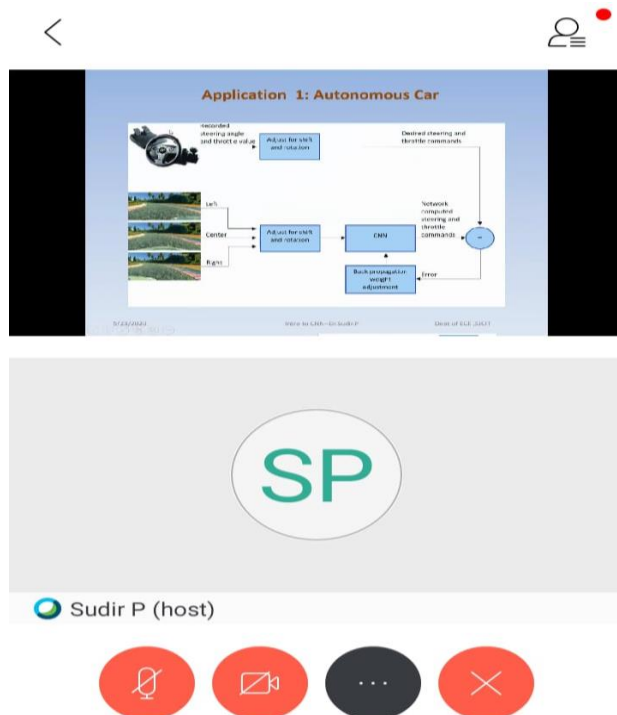
23<sup>rd</sup> May 2020

The session was organized by IEEE Student Branch S J C Institute of Technology in collaboration with IEEE Bangalore Section.

Dr. P Sudhir handled the online session on the online platform and addressed the audience. He introduced the concepts of Convolution Neural Networks, its implementation in real world and its various applications in the industries.

The event organizers include Dr. K M Ravikumar and Dr. B N Shobha and the same was co-ordinated by Mr. Ravi Kiran R.

We have also conducted a survey regarding the workshop which was registered by 153 participants registered and shared their valuable views.



The screenshot displays a Zoom meeting interface. At the top, there is a navigation bar with a back arrow on the left and a user icon on the right. The main content area shows a slide titled "Application 1: Autonomous Car". The slide contains a flowchart illustrating the process of an autonomous car. It starts with "Desired steering angle and throttle/brake" leading to "Adjust for roll and rotation". This then leads to "Adjust for pitch and rotation", which feeds into a "CNN" block. The CNN block outputs "Network output (steering and throttle/brake commands)". This output is compared against "Desired steering and throttle/brake commands" to produce an "Error". The error is then used for "Back propagation (weight adjustment)". The flowchart also includes a "Center" block and "Left" and "Right" inputs. Below the slide, there is a large green "SP" logo in a white circle. At the bottom of the Zoom window, the name "Sudir P (host)" is visible, along with four red circular icons: a microphone, a video camera, a three-dot menu, and a close button.

**SPEAKER:-**

**Dr. P Sudhir** of S J C Institute of Technology

