

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



***Three Days Faculty Development Programme  
on "DEEP LEARNING"***

***(28<sup>th</sup> Jan 2020 – 30<sup>th</sup> Jan 2020)***



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**FACULTY DEVELOPMENT PROGRAMME REPORT**

**DAY 1 – 28<sup>th</sup> JANUARY 2020**

**MORNING SESSION:**

The FDP started at 8:30 AM with a registration session and followed by inaugural session on 28<sup>st</sup> January, 2020 morning at 10:30 AM at Scholar Lounge. The program started by an invocation song sung by our department faculty, followed by lighting the lamp. Dr. B. Rajalakshmi, Professor and Head, Department of Computer Science and Engineering, Convener of the FDP, gave welcome address by inviting the gathering which includes around 20 participants from various engineering colleges in and around Karnataka, various department heads and faculty members of New Horizon College of Engineering. Dr. Prasanth CSR, Professor and Dean Academics, explained the significance of the FDP. Mr. Sudipta Mukherjee, Director – Solution Definition and Architecture, Technical Consultant, Sutherland Global Service, was the chief guest for the inaugural function, shared his valuable thought about the technologies of the decade and how deep learning is influencing the business market. The session was concluded by proposing vote of thanks by Dr. Jaya, Senior Assistant Professor, CSE, NHCE. The inaugural session was followed by a group photo session with the participants along with the chief guest of the day.



Dignitaries on the Dias for the inaugural programme



Dignitaries lighting the lamp



Dr. B. Rajalakshmi, Professor and Head, Department of Computer Science and Engineering, Convener of the FDP, giving welcome address to the gathering



Dr. Prasanth CSR, Professor and Dean Academics, explaining the significance of the FDP





Mr. Sudipta Mukherjee, Director – Solution Definition and Architecture, Technical Consultant, Sutherland Global Service, Chief Guest of the day, delivering his speech



Group photo session with the participants along with the chief guest

Day 1 session started at 11:30 AM, at Scholar Longue with an introduction of the resource person Dr. Jayakumar Singaram, CTO, Object Automation Software Solution Private Limited, Bangalore, by our faculty Ms. Jisha, preceded by our faculty Dr. R. Jaya, in handing over the saplings to the guest speaker of the session. The resource person focused on the machine learning concepts by giving an overview about CNN, ANN, using IBM POWERAI. The session was quiet informative and interactive. Participants interacted with the resource persons and cleared their doubts that they had during the session.

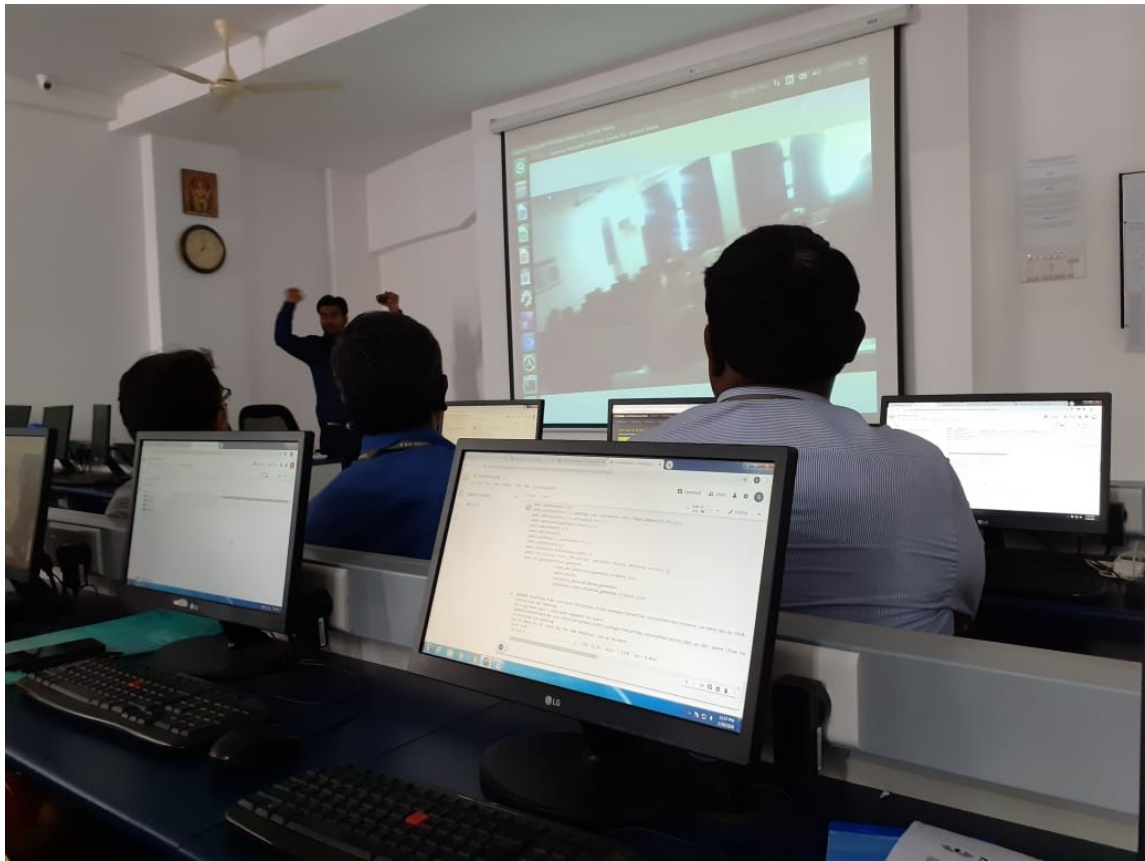
Afternoon session started by 2:00 PM at CSE Lab 1 with the introduction of the resource person Mr. Deepesh Aggarwal, NVIDIA, by our faculty Ms. Jisha, proceeded by our faculty Dr. R. Jaya, in handing over the saplings to the guest speaker of the session. The resource person focused on the deep learning concepts by giving an overview and hands on with building a neural network by using datasets. Participants worked on the provided datasets and built their own neural network.

## **DAY 2 - 29<sup>th</sup> JANUARY 2020**

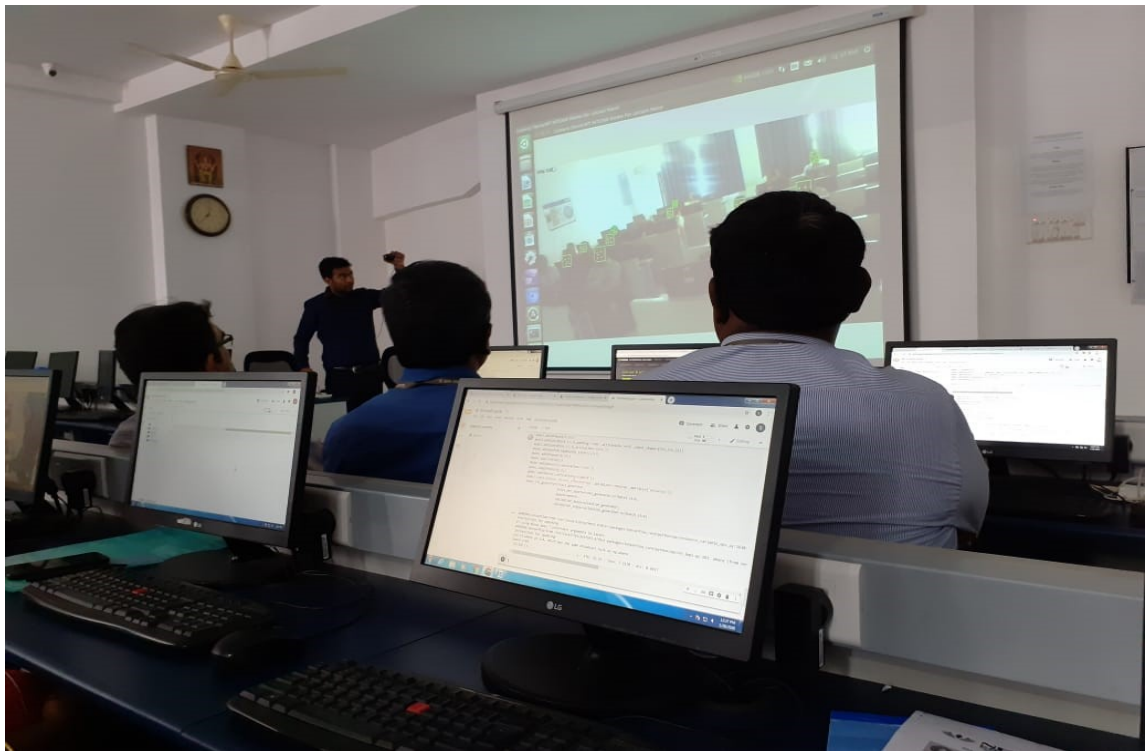
Day 2 session forenoon started at 10:00 AM, at CSE Lab 1 with an introduction of the resource person Mr. Deepesh Agarwal, NVIDIA, Bangalore was by our faculty Ms. Jisha welcomed by our faculty Dr. R. Jaya, Senior Assistant Professor, CSE. The resource person shared his knowledge about Jetson and the details about how the kit works. He showed a real-time demonstration on a live project of automatic face recognition using neural networks.



Mr. Deepesh Agarwal, NVIDIA, Bangalore introduced by Ms. Jisha



Mr. Deepesh Agarwal, NVIDIA, Bangalore delivering his content



Mr. Deepesh Agarwal, NVIDIA, Bangalore showing demo by using Jetson

Day 2 afternoon session started at 2:00 PM, at Lab 6 with an introduction of the resource person Dr. Jayakumar Singaram, CTO, Object Automation Software Solution Private Limited, Bangalore, by our faculty Ms. Jisha. The resource person focused on the machine learning concepts by giving an overview about CNN, RNN, ANN and CUDA. The session was quiet informative and interactive. Participants interacted with the resource persons and cleared their doubts that they had during the session.

### **DAY 3 – 30<sup>th</sup> JANUARY 2020**

#### **MORNING SESSION:**

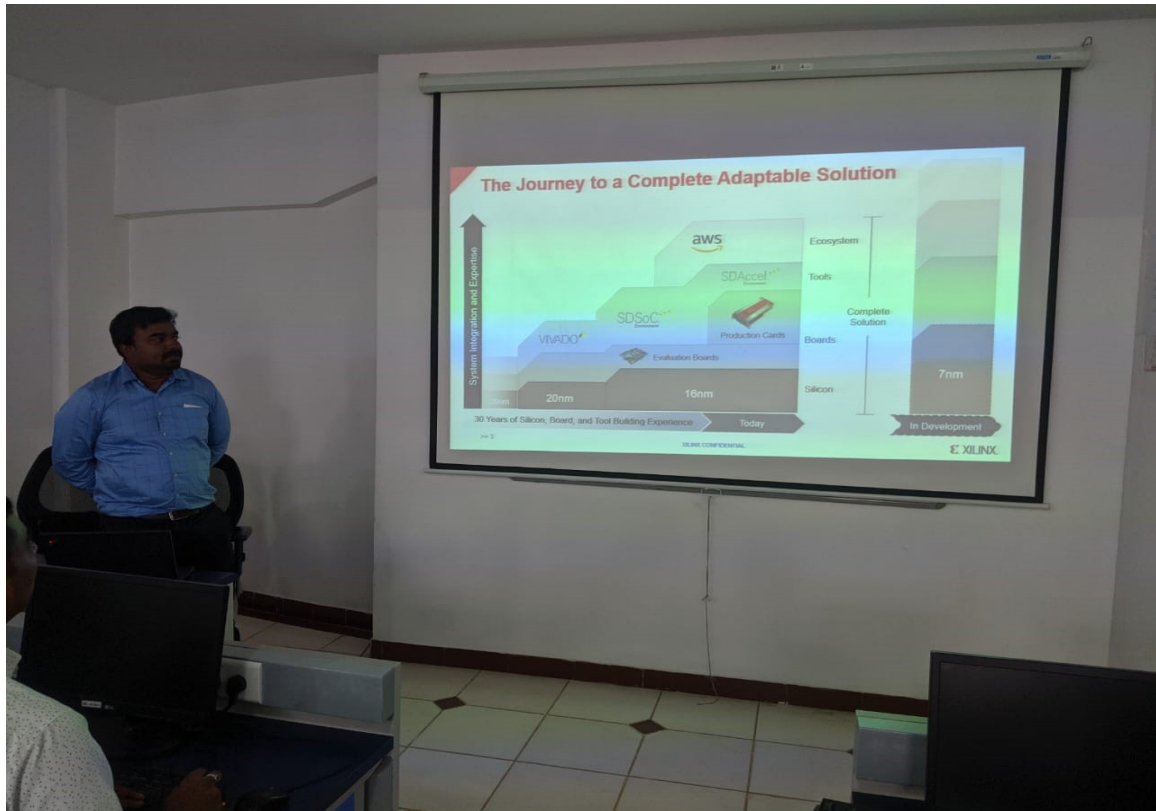
Day 3 forenoon session started at 10:00 AM, at Lab 6 with by the resource person Dr. Jayakumar Singaram, CTO, Object Automation Software Solution Private Limited, Bangalore. He shared his knowledge about Interference App in Android Phone and followed by hands on session with android studio.



Dr. Jayakumar Singaram, CTO, Object Automation Software Solution Private Limited, Bangalore, delivering his content and participants experiencing hands-on



Day 3 afternoon session started at 1:30 PM, at Lab 1 with the introduction of our speaker Mr. Patrick Samuel, Field Application Engineer, AVNET, Bangalore. He gave his presentation on Xilinx Acceleration for Cloud and Edge AI/DL.



Mr. Patrick Samuel, Field Application Engineer, AVNET, Bangalore.