

DATE: 21/11/2020

The speaker for the event was Mr. Debul Nair who completed his Bachelor's in **Electronics and Telecommunication Engineering (EXTC)** from XIE and his Master's in **Machine Learning, Robotics and Automation Engineering** from the Bonn-Rhein-Seig University of Applied Science from Germany. Currently he is Technical Team Lead for b-it-bots in Autonomous System group.

The event started with the introduction of the speaker from our Dr. (Fr.) John Rose SJ, and also about the potential of Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL) in today's markets. First Mr. Nair started his session with a short survey about Entrepreneurship so that he knows about the audience who are attending the webinar. After the survey Mr. Nair started sharing his journey on how he started inclining more towards Machine Learning and Artificial Intelligence even though his branch during bachelors was EXTC. Firstly, the speaker explained all the difference between AI, ML and DL.

Coming to Artificial Intelligence, he said how it got evolved from 1990s to 2020. Coming to myths he said that AI doesn't have a generic human intelligence but has a specific small subset of it. One needs knowledge, reason planning and perception to solve these problems. Then he explained how AI is helpful and so many startups are making profit through it. Some examples he gave were Voice Translation, Image and Video Compression, Speech to Text and Text to Speech, Self-Driving Cars, etc.

For Machine Learning he said that we need to know both input and output which is called Data. The output is expected to be a code and we should use this code in coordination with AI for the desired output. While inputting the data, we have to write two separate codes i.e. Feature Engineering Code and ML Code.

Further he explained a subset of Machine Learning which is Deep Learning. He explained how nowadays most of Deep Learning is based on Neural Networks. The working of DL is as same as ML. But in DL there is no Feature Engineering there is direct code.

Coming to Entrepreneurship in India, he said, "**India is already a startup nation.**" Mr. Nair said India has a De-Centralized model. To explain this, he gave example of cities like Anand, Ludhiana, Tirupur, Morbi, etc. who have excellent business model. He said similar is a startup with AI and ML. One should take these cities as a model and do the work.

**Event Coordinator(s)**

**Prof. Prathibha  
Sudhakaran**

**Student  
Coordinator(s)**

- 1. Mandar Bagwe**
- 2. Abhishek Sharma**
- 3. Manish Pandian**
- 4. Divij Pawar**
- 5. Omkar Gorhe**
- 6. Mukesh Parmar**

**Time:**

**4pm to 5:30pm**

**Place:**

**Zoom Platform**

**Department:**

**E-Cell XIE**

**No of participants:**

**55**

The session the ended by our respected Principal Dr. YD Venkatesh who also shared their thought of AI, ML and DL in today's market needs and gave Vote of Thanks to the speaker.

In Q & A Mr. Nair shared some key points. They are as follows: -

- All these three software courses can be learnt by anyone who is interested in coding. He also said one can do courses on numerous websites available on internet.
- The speaker also said that the EXTC course subjects helped him to a certain extent.
- He also said that in order to start AI and ML as a career is to take part in competitions and hackathons. This will also make our profile/resume more appealing.

## Images Taken During Webinar:

AI, Machine Learning, Deep Learning

A beginners perspective  
Deebul Nair  
November 21, 2020

# The AI hype ?

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Feature | Biomedical | Diagnostics  
02 Apr 2019 | 15:00 GMT

## How IBM Watson Overpromised and Underdelivered on AI Health Care

After its triumph on *Jeopardy!*, IBM's AI seemed poised to revolutionize medicine. Doctors are still waiting

By Eliza Strickland

DATE	IBM PARTNER	PROJECT	CURRENT STATUS
2011 Feb.	Nuance Communications	Diagnostic tool and clinical-decision support tools	No tools in use
Sept.	WellPoint (now Anthem)	Clinical-decision support tools	No tools in use
2012 March	Memorial Sloan Kettering Cancer Center	Clinical-decision support tool for cancer	Watson for Oncology
Oct.	Cleveland Clinic	Training tool for medical students; clinical-decision support tool	No tools in use
2013 Oct.	MD Anderson Cancer Center	Clinical-decision support tool for cancer	No tool in use
2014	New York Genome	Genomic analysis	Not used in 2014

AIDE OFF ALYTICS

Helps users make better choices by weighing multiple and often conflicting goals

The image shows a Zoom meeting interface. On the left, a slide contains two bullet points: "How to make my profile more appealing/strong" and "How do I start AI and ML as a career". On the right, a tweet from "Predicting Generalization in Deep Learning" is overlaid, announcing winners of a competition. The tweet lists: 1. Team Interpex (@Parth\_LFC @Seerfeather), 2. Team Always Generalize (@sumukhaitha @DhruvaKashyap5), and 3. Team BrAln (@cadurosar et al.). Below the tweet, a large graphic reads "Design. Machine Learning. Human-". On the far right, a vertical column of video thumbnails shows several participants in the meeting.

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