NARAYANA ENGINEERING COLLEGE::NELLORE

Permanently affiliated to JNTUA Ananthapuramu, Approved by AICTE,
Accorded 'A' grade by Govt. of AP, Recognized by UGC 2(f) & 12(B),
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on IETE Foundation Day Celebrations

Narayana Engineering College, Nellore celebrated *66th IETE Foundation Day Celebrations* in association with Institution of Electronics and Telecommunication Engineers (IETE) on *4th November 2019*. The theme of the event *was "Role of Artificial Intelligence and Machine learning in the Development of Society".* Staff members from **Narayana Engineering College, Nellore** along with students from ECE department attended the program.

Resourse Person: Mr.P.Sudheer Babu, DE, BSNL, Nellore.

The lecture was mainly focused on AI & ML in IOT Applications. Recourse Person delivered the Lecture on the topic, "AI & ML in IOT Applications". He emphasized the need of Information and Communication Technology to make the existing educational system to be more powerful.

Fig: Chief Gueat Mr.P.Sudheer Babu, DE, BSNL, Nellore, and Students in enent.

Fig: Chief Gueat Mr.P.Sudheer Babu, DE, BSNL, addressing the event.

He explained about AI & ML, Machine learning is simply a branch of AI. It's a study of computer algorithms that automatically become better through experience. ML is one of the ways to achieve AI. Machine learning requires large data sets to work with in order to examine and compare the information to find common patterns.

For example, if you give a machine learning program many photos of pregnancy ultrasounds together with a list of indications to identify the gender, it's likely to learn to analyze ultrasound gender results in the future. ML programs compare different information to find common patterns and come up with correct results.

Mr.P.Sudheer garu explained key difference between the two concepts,

❖ The goal of AI is to increase the chances of success. Meanwhile, ML's aim is to improve accuracy without caring for success.

❖ AI is a computer program doing smart work. ML is the way for the computer program to learn from experience.

❖ The future goal of AI is to stimulate intelligence for solving highly complex programs. The ML's goal is to keep learning from data to maximize the performance.

❖ AI involves decision-making. ML allows the computer to learn new things from the available information.

❖ AI looks for optimal solutions. ML looks for the only solution.

He concluded that, AI involves a computer executing a task a human could do. Machine learning involves the computer learning from its experience and making decisions based on the information. While the two approaches are different, they are often used together to achieve many goals in different industries.

66th IETE FOUNDATION DAY CELEBRATIONS

Theme: "ROLE OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN THE DEVELOPMENT OF SOCIETY"