

Department of Electrical and Electronics Engineering

**REPORT ON GUEST LECTURE**

1	Name of the Activity/Event	<b>“Machine Learning Applications in Electrical Engineering”</b>		
2	Date of Activity/Event	21-03-2022		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	Sk.Masumsattar, Data Scientist,HP Bangalore.		
6	Type of activity/Event	GUEST LECTURE		
7	Activity/Event objectives	1. knowledge on Distributed control systems.		
8	Participation	Students	Faculty	Total Participation
9	General remarks	1. Lack of Time 2.Not audible to last row		
10	Suggested Improvements	Need full day session		
11	Enclosures	1.photos 2.attendance report		

On 22nd of September, 2022 Narayana engineering college ,nellore organized a guest lecture on “**Machine Learning Applications in Electrical Engineering**”. Lecture was conducted by Sk.Masumsattar, Data Scientist,HP Bangalore. He started his lecture Machine learning is a great concept in which the machine will have the ability to learn things without being explicitly programmed.

He explained how machine learning can be used in electrical field. he explained how some domain or field in electrical engineering can apply machine learning concepts. he speaker gave an extremely insightful lecture on the importance of Speed Control Of Motor Using Machine Learning model to control the speed of the motor in both forward and reverse rotation with regenerative braking. smart Grid Using Machine Learning model will be handled

automatically whenever fault occurs. Battery Management Using Machine Learning model will monitor and control the battery state of charge, voltage, temperature, etc.. Home Automation Using Machine Learning model can be used to take decisions smartly when to turn on the heater, when to open the door, when to turn on the TV, etc. Faults in transmission lines and distribution lines are very common, here machine learning algorithms can help to find the spot where the fault has occurred. Also discussed about Autonomous Vehicle Using Machine Learning and Control System Using Machine Learning.



concepts explanation

**HOD**

**PRINCIPAL**

