SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY,DINDIGUL
DEPARTMENT OF ECE
CAREER OPPURTUNITIES IN AI,ML AND DEEP LEARNING
DATE: 21.05.2022

HOD/ECE

Dr.S. KARTHIGAI LAKSHMI
Professor & Head
Department of ECE
SSM Institute of Engg & Tech
Dindigul - 624 002

PRINCIPAL

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (Po),
Palani Road, Dindigul - 624 002.

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

Email:ssmietdgl@gmail.com , Website: www.ssmiet.ac.in

Department of ECE

CIRCULAR

18.05.2022

Department of ECE has planned to conduct a One day Webinar on **"Career Opportunities in Artificial Intelligence, Machine Learning and Deep Learning"** on 21.05.2022 for third year ECE students. The main objective of this webinar is to create awareness on **career opportunities lying in Artificial Intelligence, Machine Learning and Deep Learning** "to meet the surging demands in industries. Henceforth, students of are requested to attend this webinar and get benefitted.

Mode: Google Meet

Time: 11.00 A.M -12.30 P.M

Resource Person:

K .Ram Prabhakar

Researcher, TCS Innovation labs

Bengaluru

18/5/22 18/5/22

Faculty Coordinators

1.Dr.M.Jeyalakshmi

2.Mrs.A.Geetha

18/5/22

HOD/ECE

Dr. S. Karthigai Lakshmi

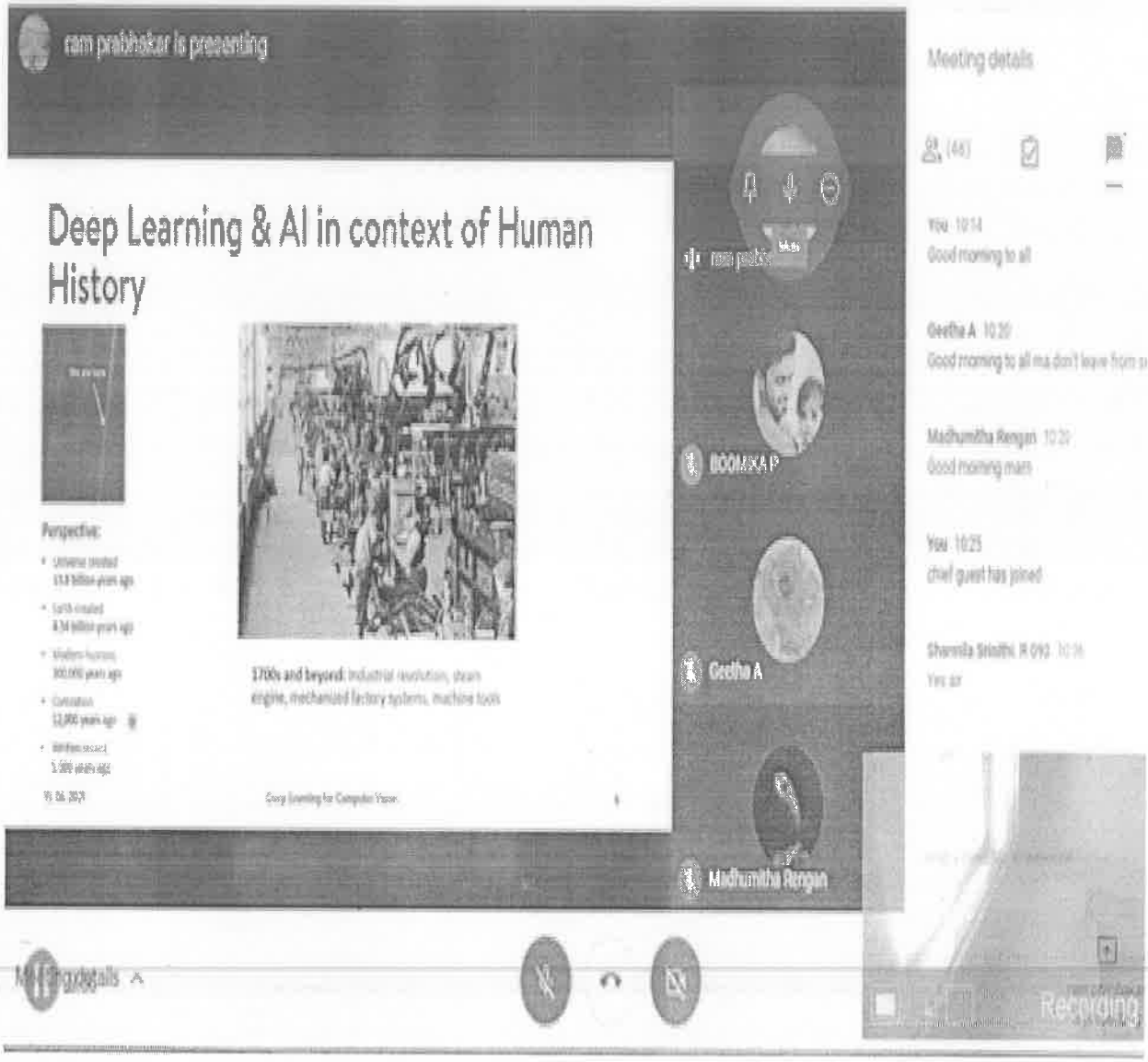
PRINCIPAL

Dr. D.Senthil Kumaran

Broucher


DEPARTMENT OF ECE
WEBINAR ON
"CAREER OPPORTUNITIES IN ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING"
RESOURCE PERSON
K.RAM PRABHAKAR
RESEARCHER,
TCS INNOVATION LABS
BENGALURU.
MAY 21 Saturday 2022
TIME-11:00AM TO 12:30PM
GOOGLE MEET LINK
https://meet.google.com/ece-ukto-bfb
FACULTY CO-ORDINATORS
• Dr.M.Jeyalakshmi,AP/ECE
• Mrs. A.Geetha,AP/ECE
Dr.S.KARTHIGAI LAKSHMI
HOD/ECE
Dr.D.SENTHIL KUMARAN
PRINCIPAL

Sample Photo:



Attendance Sheet:

Participants	Joined	Left
M. Jeyalakshmi Murugesh	5/21/2022 11:00	5/21/2022 12:30
ABITHA DEVADHARSHINI A G	5/21/2022 11:03	5/21/2022 12:30
ABUFIYAZ A	5/21/2022 11:01	5/21/2022 12:30
ARCHANA ROY A	5/21/2022 11:05	5/21/2022 12:30
ARUL KARTHI K	5/21/2022 11:00	5/21/2022 12:30
ARUL NANDHINI R	5/21/2022 11:00	5/21/2022 12:30
ARUN KARTHIK N R	5/21/2022 11:00	5/21/2022 12:30
HARI PRAKASH M	5/21/2022 11:00	5/21/2022 12:30
HEMADHARSHINI S	5/21/2022 11:00	5/21/2022 12:30
IJASHMOHAMED I	5/21/2022 11:10	5/21/2022 12:30
JAYASREE M	5/21/2022 11:00	5/21/2022 12:30
JEYAKANTHAN M	5/21/2022 11:00	5/21/2022 12:30
JOICY I	5/21/2022 11:00	5/21/2022 12:30
KALPANA S	5/21/2022 11:00	5/21/2022 12:30
ABIRAMI T	5/21/2022 11:20	5/21/2022 12:30
KEERTHANA M N	5/21/2022 11:00	5/21/2022 12:30
KEERTHANA T	5/21/2022 11:00	5/21/2022 12:30
KEERTHIKA S	5/21/2022 11:00	5/21/2022 12:30
KEERTHIVASAN V	5/21/2022 11:00	5/21/2022 12:31
KIRUBA NANDHINI M	5/21/2022 11:02	5/21/2022 12:30
KIRUTHIKA S	5/21/2022 11:00	5/21/2022 12:29
KISHORE S	5/21/2022 11:00	5/21/2022 12:30
MALINI S	5/21/2022 11:00	5/21/2022 12:30
MANORANJITHAM G	5/21/2022 11:03	5/21/2022 12:30
MARUTHAMALAIAYYANRAJA A	5/21/2022 11:00	5/21/2022 12:29
MOHAN RAJ S	5/21/2022 11:00	5/21/2022 12:30

MUHAJIR RAHMAN H	5/21/2022 11:00	5/21/2022 12:30
MUNIYAPPAN P	5/21/2022 11:00	5/21/2022 12:30
RENUKA P	5/21/2022 11:00	5/21/2022 12:30
SHARMILA SRINITHI	5/21/2022 11:00	5/21/2022 12:30
REVATHY S	5/21/2022 11:00	5/21/2022 12:30
RUTHRA SIVAGURU K	5/21/2022 11:00	5/21/2022 12:30
SABAREE RAJ R	5/21/2022 11:00	5/21/2022 12:30
MADHUMITHA RENGAN	5/21/2022 11:00	5/21/2022 12:29

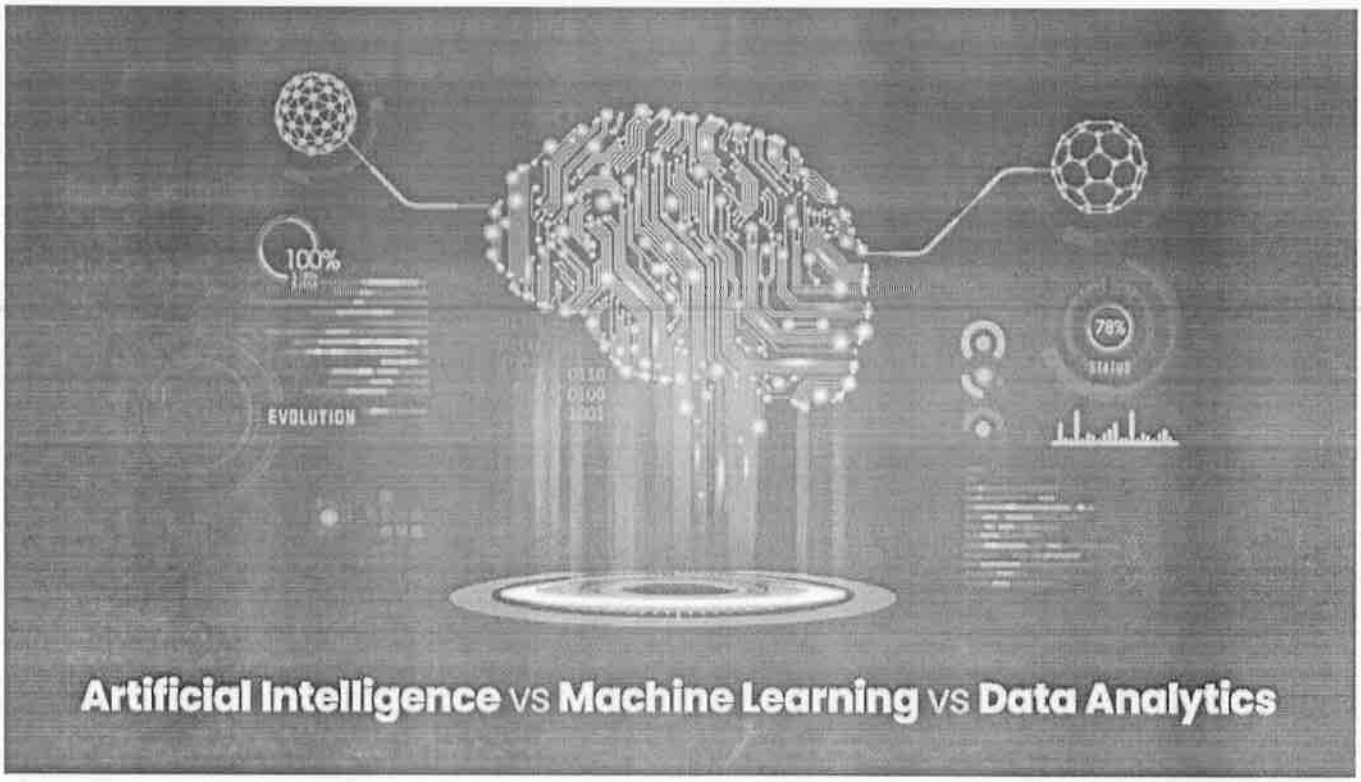
Feedback from students:

Students Name	1.Technical content of Webinar	2.Information shared during	3. Overall, did you find the webinar is useful	4.Any suggestions or comments about webinar
M. Jeyalakshmi Murugesh	Excellent	Excellent	yes	Useful need more classes and materials
ABITHA DEVADHARSHINI A G	Good	Good	yes	Good
ABUFIYAZ A	Excellent	Excellent	yes	Very Good Session
ARCHANA ROY A	Excellent	Excellent	yes	your teaching is very good sir
ARUL KARTHI K	Excellent	Excellent	yes	Everything is good and content was explained clearly. Can continue the same.
ARUL NANDHINI R	Excellent	Excellent	yes	Good
ARUN KARTHIK N R	Excellent	Excellent	yes	Interesting and useful sir
HARI PRAKASH M	Excellent	Excellent	yes	No comments
HEMADHARSHINI S	Excellent	Good	Yes	Yeah the session was so useful
IJASHMOHAMED I	Excellent	Excellent	Yes	I like this type of teaching because we need shortcuts so that i enjoy this session a lot. thank you sir
JAYASREE M	Excellent	Excellent	yes	Good & Hope to have more like this
JEYAKANTHAN M	Excellent	Excellent	yes	-
JOICY I	Excellent	Excellent	yes	Good
KALPANA S	Excellent	Excellent	yes	Interesting and useful sir
ABIRAMI T	Excellent	Excellent	yes	No comments
KEERTHANA M N	Excellent	Good	Yes	Yeah the session was so useful
KEERTHANA T	Excellent	Excellent	yes	Interesting and useful sir
KEERTHIKA S	Excellent	Excellent	yes	No comments
KEERTHIVASAN V	Excellent	Good	Yes	Yeah the session was so useful
KIRUBA NANDHINI M	Excellent	Excellent	Yes	I like this type of teaching because we need shortcuts so that i enjoy this session a lot. thank you sir

KIRUTHIKA S	Excellent	Excellent	yes	Good & Hope to have more like this
KISHORE S	Excellent	Excellent	yes	-
MALINI S	Excellent	Excellent	yes	Good
MANORANJITHAM G	Excellent	Excellent	yes	Interesting and useful sir
MARUTHAMALAIAYYAN RAJA A	Excellent	Excellent	yes	Interesting and useful sir
MOHAN RAJ S	Excellent	Excellent	yes	No comments
MUHAJIR RAHMAN H	Excellent	Good	Yes	Yeah the session was so useful
MUNIYAPPAN P	Excellent	Excellent	Yes	I like this type of teaching because we need shortcuts so that i enjoy this session a lot. thank you sir
RENUKA P	Excellent	Excellent	yes	Good & Hope to have more like this
REVATHY S	Excellent	Excellent	yes	-
RUTHRA SIVAGURU K	Excellent	Excellent	yes	Good
SABAREE RAJ R	Excellent	Excellent	yes	Interesting and useful sir
SABAREES V	Excellent	Excellent	yes	Interesting and useful sir

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
WEBINAR REPORT

Date: 21.05.2022 **Session Timings:** 11.00 A.M -12.30 P.M



Webinar on **Career Opportunities in Artificial Intelligence, Machine Learning and Deep Learning handled by K .Ram Prabhakar ,Researcher, TCS Innovation labs ,Bengaluru was very useful to students since it was a new upcoming technology.He explained the basics in depth.The basics as follows , Artificial Intelligence** is a technique for building systems that mimic human behavior or decision-making.

Machine Learning is a subset of AI that uses data to solve tasks. These solvers are trained models of data that learn based on the information provided to them. This information is derived from probability theory and linear algebra. ML algorithms use our data to learn and automatically solve predictive tasks.

Deep Learning is a subset of machine learning which relies on multilayered neural networks to solve these tasks.

Forms Of Machine Learning

Given that machine learning is a fundamental basis for AI, it's worthwhile to understand the different forms of machine learning.

There are three kinds of machine learning: **supervised**, **unsupervised**, and **reinforcement learning**. Each form solves problems differently.

Supervised Machine Learning

In supervised machine learning, we know about the data and the problem. Think of it as, "given a set of features x, we know the value of y," and so in supervised learning, we create a function that approximates results based on some set of data.

There are two kinds of supervised learning: **classification** and **regression**. In a classification problem, we assign data to categories. For example, given a client's medical information, they test positive or negative for diabetes. In classifications, our trained models, known as classifiers, classify data points into different groups.

If we instead wanted to solve a different problem, like predicting the future value of GameStop stock given the stock market history, we'd turn to a regression. In regression, we return numerical values. Given some sentences, this is the percent likelihood the person is happy or sad.

Unsupervised Machine Learning

In unsupervised machine learning, our data is unlabelled. There are two forms of unsupervised machine learning: **clustering** and **dimension reduction**.

In clustering, we learn more about data points as they are clustered, or grouped together. This allows learned models to understand a data set, detect anomalies, and assign relationships between points, often allowing users to develop new categories or features about the data set.

In dimension reduction, we plot data points across different dimensions and feature sets to understand our data sets. This allows for techniques like feature selection or transformation. Dimension reduction solves the curse of dimensionality. The more features to a data set, the more data is needed, and processing many noisy features can impact the performance of an ML model, so unsupervised machine learning techniques are often paired with supervised or reinforcement learning algorithms.