



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)**  
Accredited by NAAC & NBA (Under Tier - I) and ISO 9001:2015 Certified Institution  
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada L.B.REDDY  
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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

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**REPORT**  
on  
**A ONE WEEK ONLINE FACULTY DEVELOPMENT**  
**PROGRAMME**  
on  
**“MACHINE LEARNING”**  
**(“1<sup>st</sup> JUNE – 5<sup>th</sup> JUNE, 2020)**

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Lakireddy Bali Reddy College of Engineering (A) has organized A One Week Online Faculty Programme on “Machine Learning” from 1<sup>st</sup> – 5<sup>th</sup> JUNE, 2020. This training program was organized by **Department of CSE** and has received an overwhelming response with more than 600 registrations. Out of them, we have shortlisted only 230 participants from various institutes or colleges approved by UGC/AICTE and affiliated to various Universities across the PAN India.

**Date: 01-06-2020**

**Inauguration:**

FDP was inaugurated on 01-06-2020 by **Dr. D. Veeraiah, Professor & HoD, CSE Department**, in presence of Resource Person for Day-1 **Dr. E.Srinivasa Reddy**, along with Coordinators, **Dr. Ch.V.Narayana, A.Sree Rama Chandra Murthy, K. Sundeep Saradhi and S.Govindu**.

**Dr. Ch.V.Narayana, Coordinator of FDP**, has welcomed all the delegates and participants of the FDP. In his speech, **Dr. Ch. V. Narayana** has highlighted the main objective and importance of Machine Learning. Along with this, he gave a brief introduction about **Dr. E. Srinivasa Reddy, Professor & Principal, ANU, Guntur** our resource person for Day-1. He also addressed the participants regarding the precautions to be taken during this pandemic of COVID-19.

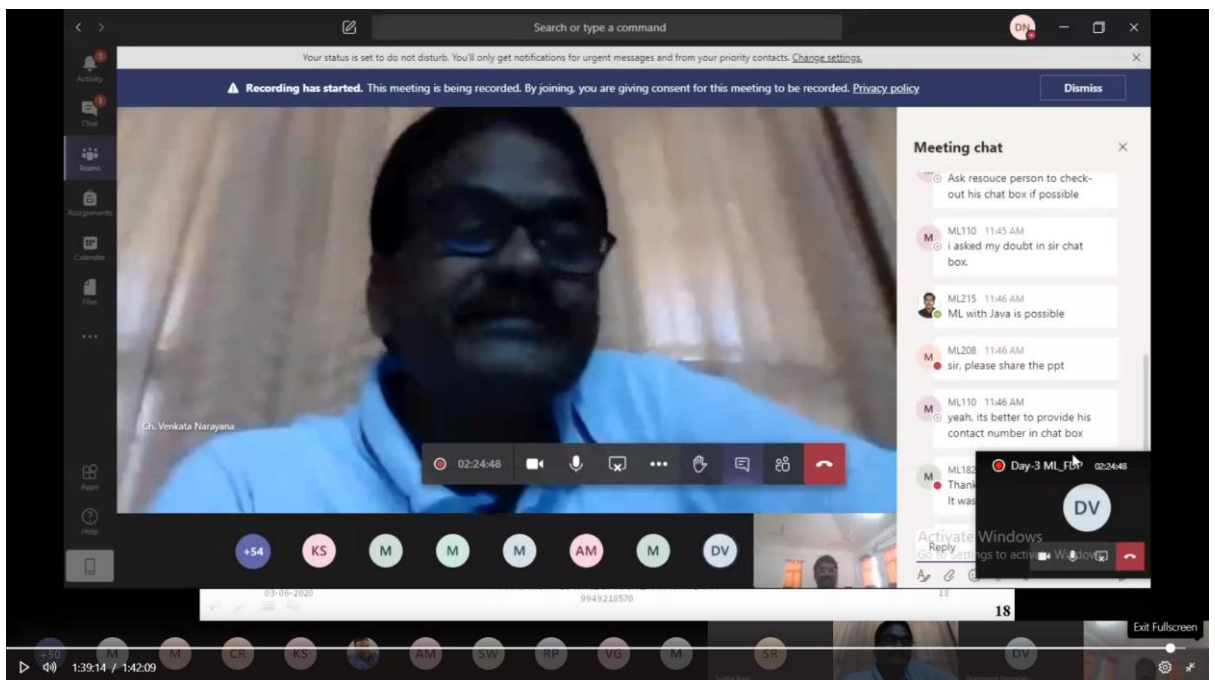
In his Inaugural Speech, **our HOD, Dr. D. Veeraiah**, gave his insights about Machine Learning. He thanked **Dr.E.Srinivas Reddy** for his cooperation and participation in the FDP and making time for the FDP in his hectic schedule. He also thanked participants for their active participation in the FDP from various institutions.

**Day 1: 01-06-2020**

**Topic: Introduction to Machine Learning & Regression Techniques.**

**Resource Person: Dr. E. Srinivasa Reddy Professor & Principal, ANU, Guntur.**

Our Resource Person, **Dr. E. Srinivasa Reddy**, started his lecture by giving clear insights on what is Machine Learning and Importance of Machine Learning. Along with that, he also discussed the advantages of Machine Learning and Regression analysis.

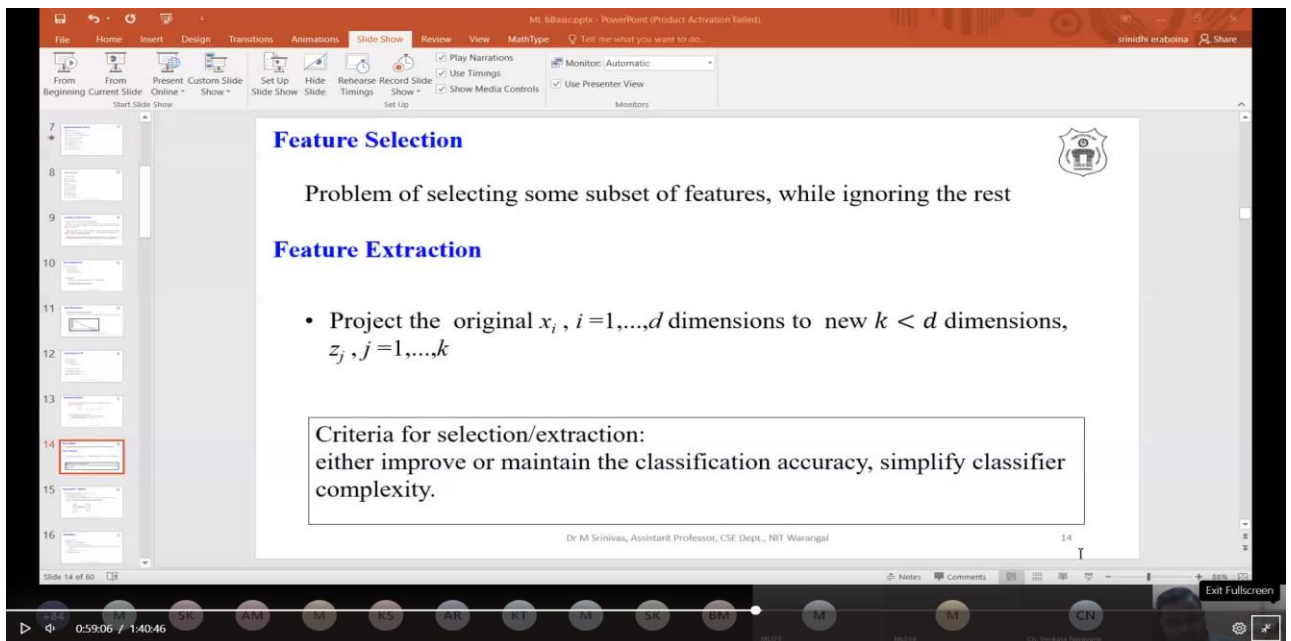
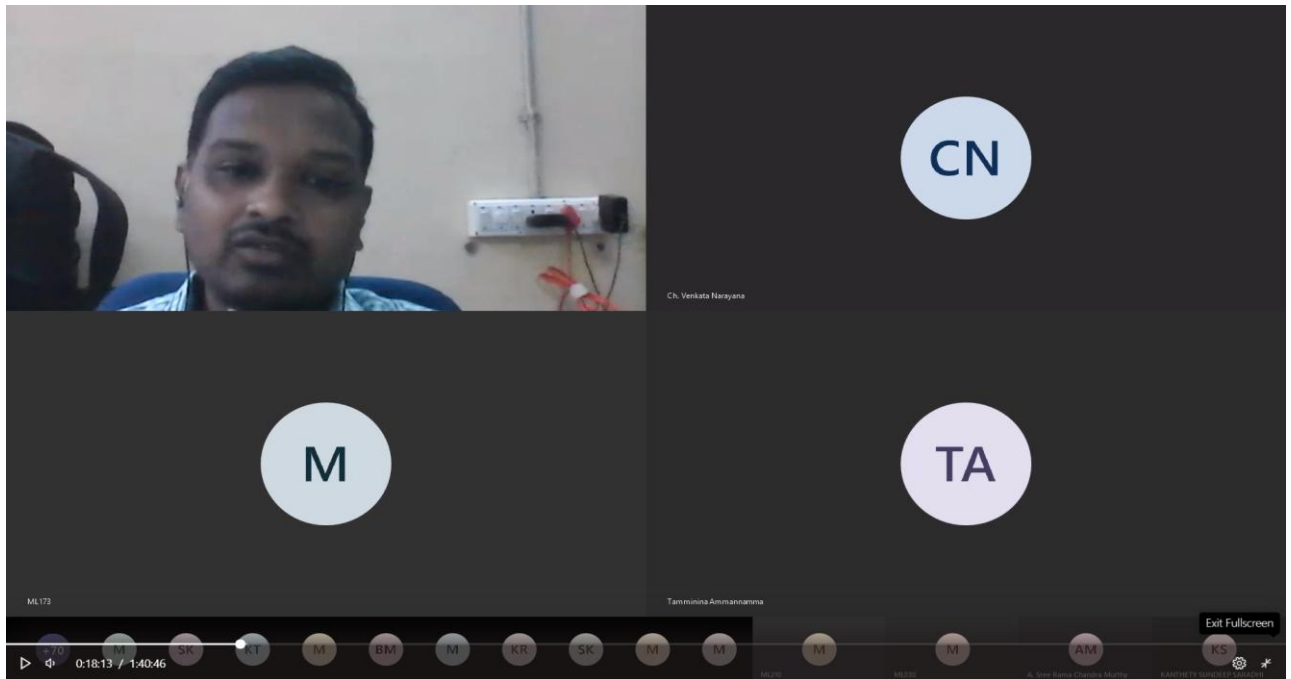


**Day 2: 02-06-2020**

**Topic: Feature Representation & Supervised Learning.**

**Resource Person: Dr. M.Srinivas, NIT, Warangal.**

Our Resource Person, **Dr. M.Srinivas**, started his lecture by giving a brief overview on first day lecture and started with Feature Representation. In his lecture, he spoke about the feature reduction, feature selection, dimensionality reduction, feature extraction and PCA. He also discussed about supervised learning techniques.



**Day 3: 03-06-2020**

**Topic: Sentiment Analysis & Support Vector Machines**

**Resource Person: Dr. C. Naga Raju, Professor Dept. of CSE, YSR College of Yogi Vemana University, Proddatur**

Our Resource Person, **Dr. C. Naga Raju**, started his lecture by giving a brief overview on previous topic and started his lecture with sentiment analysis. During the discussion, he gave various real life scenarios in which sentiment analysis is used. Later he gave brief introduction of support vector machines.

**Data Analytics**

- Data analytics is a discipline that includes the management of the complete data lifecycle.
- It includes collecting, cleaning, organizing, storing, analyzing and governing data.

**TYPES OF ANALYTICS BASE ON RESULT PRODUCE:**

- 1) Descriptive Analytics
- 2) Diagnostic Analytics
- 3) Predictive Analytics
- 4) Prescriptive Analytics
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03-06-2020 Prof. C.NAGARAJU YSRICE OF YOGIVEMANAUNIVERSITY 9949218570

Day-3 ML\_FDP 01:00:24

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A. Sree Rama Chandu Murthy Ch. Venkata Narayana

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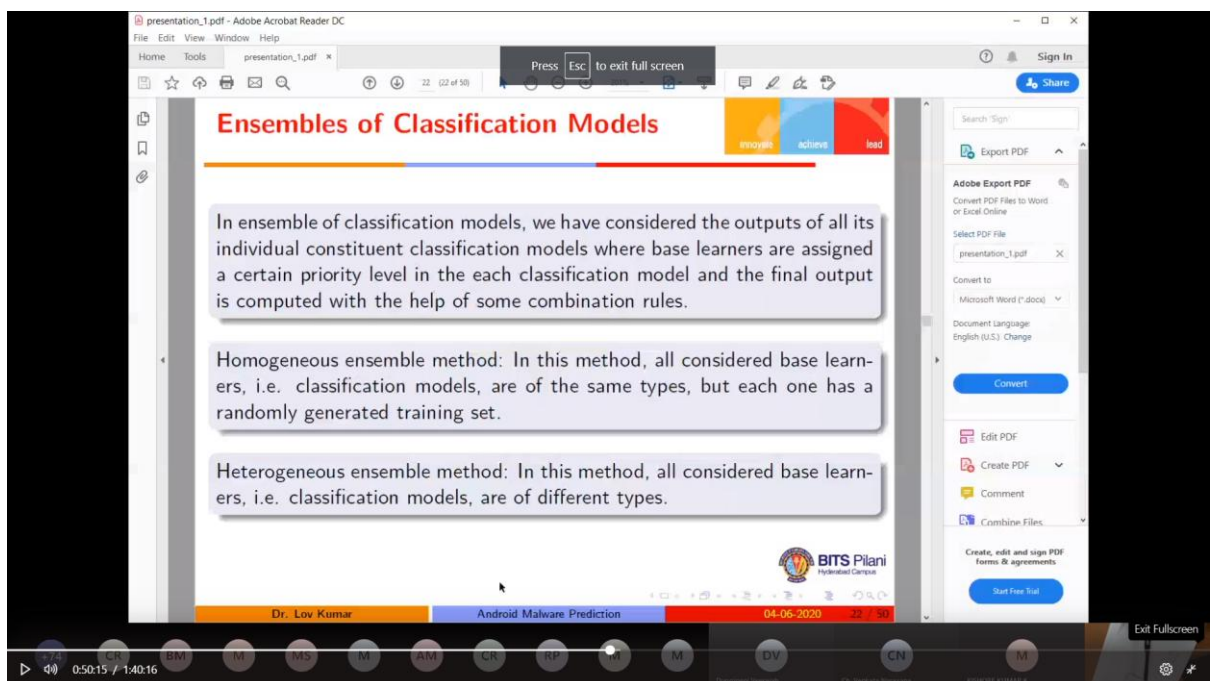
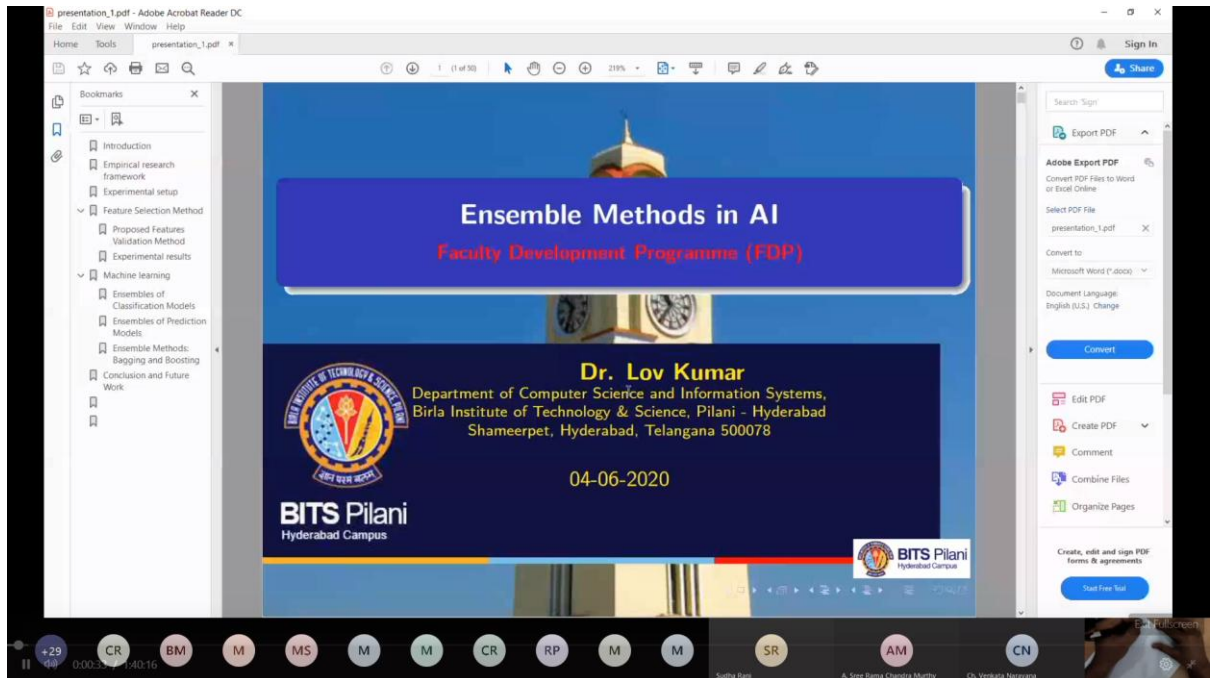
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**Day 4: 04-06-2020**

**Topic: Ensemble Techniques & Dimensionality Reduction.**

**Resource Person: Dr. Lov Kumar, BITS, Hyd.**

Our Resource Person, **Dr. Lov Kumar**, started his lecture by giving a brief overview on previous topic and started his lecture with ensemble techniques. He discussed ensemble techniques in detail. He also gave brief introduction about dimensionality reduction.

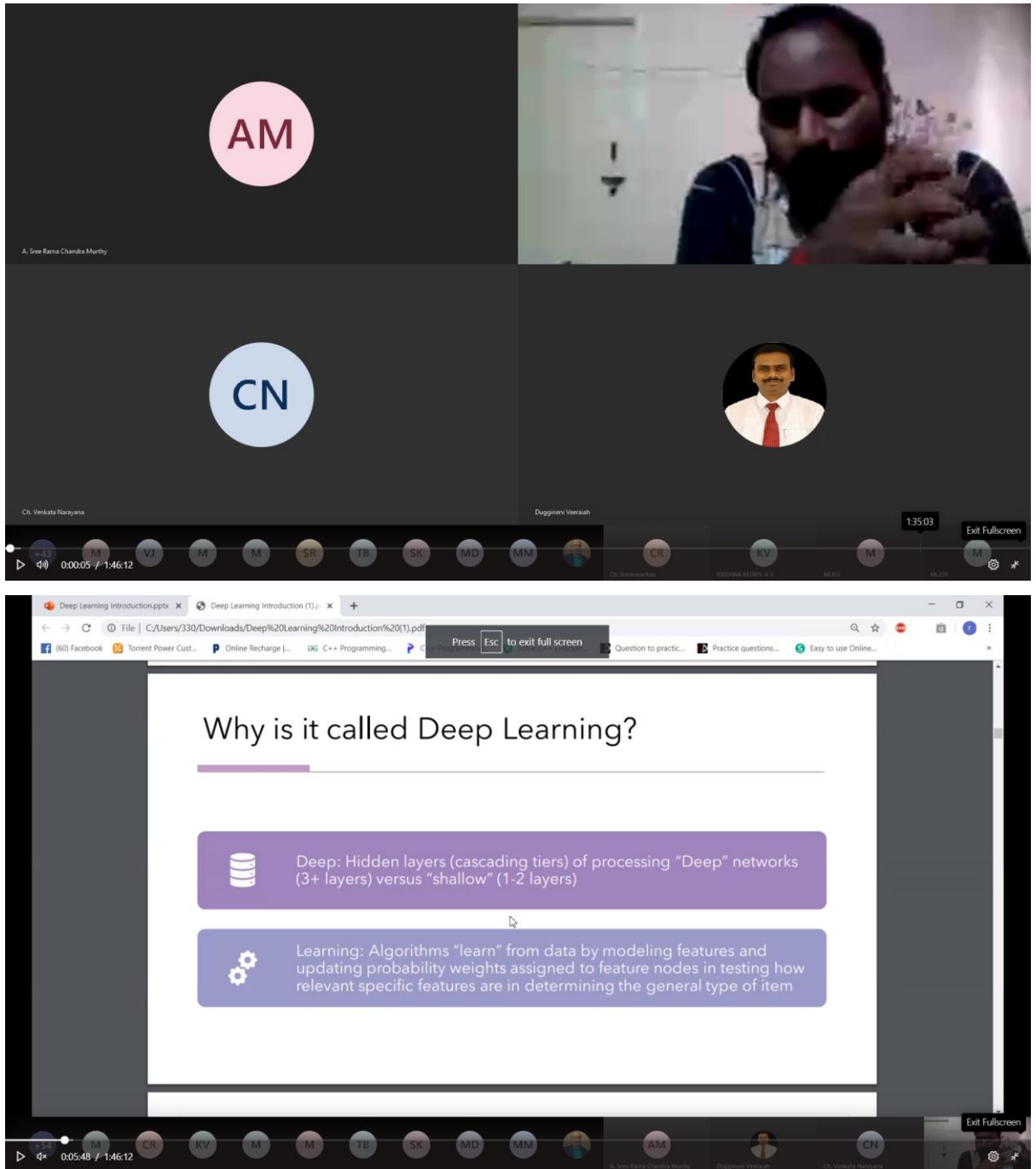


**Day 5: 05-06-2020**

**Topic: Deep Learning**

**Resource Person: Mr. Ranjit Kumar, Tata Aerospace & Defense, Bangalore.**

Our Resource Person, **Mr. Ranjit Kumar**, started his lecture by giving a brief overview on Machine Learning and started his lecture with the introduction of Deep Learning.



**Date: 05-06-2020**

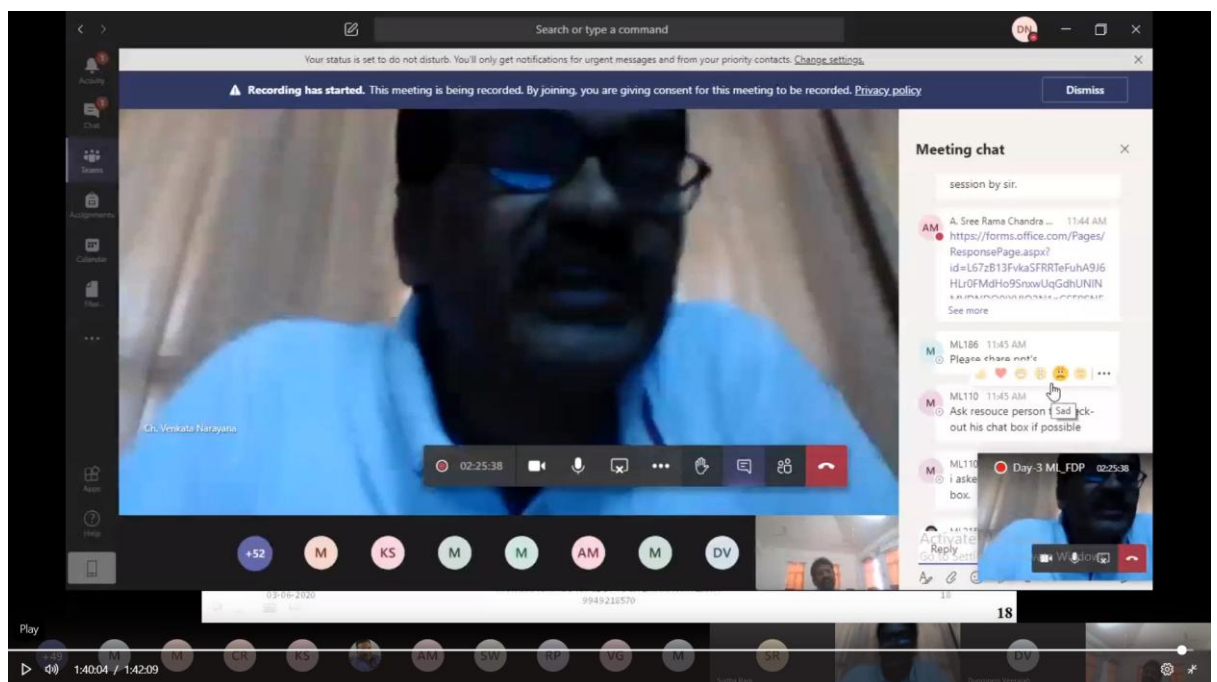
**Valedictory Session:**

On the Valedictory Session, due to their hectic work schedule our Principal **Dr.K.Appa Rao, LBRCE(A)**, and our **HoD Dr. D. Veeraiah** were not present. **Coordinators of the FDP, Dr. Ch.V.Narayana, Professor, Mr. A. Sree Rama Cahndra Murthy Sr.Asst.Prof., Mr.K.Sundee Saradhi Asst.Prof., Mr.S.Govindu Asst.Prof., CSE Department** were present.

**Dr. Ch.V.Narayana, Coordinator**, in his valedictory addressing, thanked every participant of FDP and our Resource Person, Mr. Ranjit Kumar for taking his time to our FDP. Also congratulated and thank the Program Convener Dr. D. Veeraiah and Coordinators, Mr. A. Sree Rama Cahndra Murthy Sr.Asst.Prof., Mr.K.Sundee Saradhi Asst.Prof., Mr.S. Govindu Asst.Prof for organizing the FDP in a successful manner.

At the end of the valedictory session, vote of thanks was given by **Mr. A. Sree Rama Chandra Murthy**, Coordinator of the FDP in which he has been paid his gratitude towards all the participants who has spared their valuable time for attending this FDP. He also expressed the gratitude to all the Resource Persons thought five days

Nevertheless, he thanked our Principal, Dr. K. Appa Rao and Dr. D. Veeraiah, HOD, CSE Department, “We are highly thankful to the Principal and Head of the Department for giving a chance to organize this FDP in our campus and hope we will find the support in future also for organizing such kind of activities.”



### **Feedback from the Participants:**

The feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the FDP on latest trends in Research as well as Industry. They have learned a lot on Machine Learning. They said that, this program was very useful and helpful for them in their research work and guiding the projects to the students. All the participants appreciated the sessions by our Resource Persons and the arrangements made by the organizers.



Dr.ChV.Narayana  
(Coordinator)



Dr. D.Veeraiah  
(HoD, CSE)



Dr. K.Appa Rao  
(Principal)