Amity Artificial Intelligence Club

Core Committee

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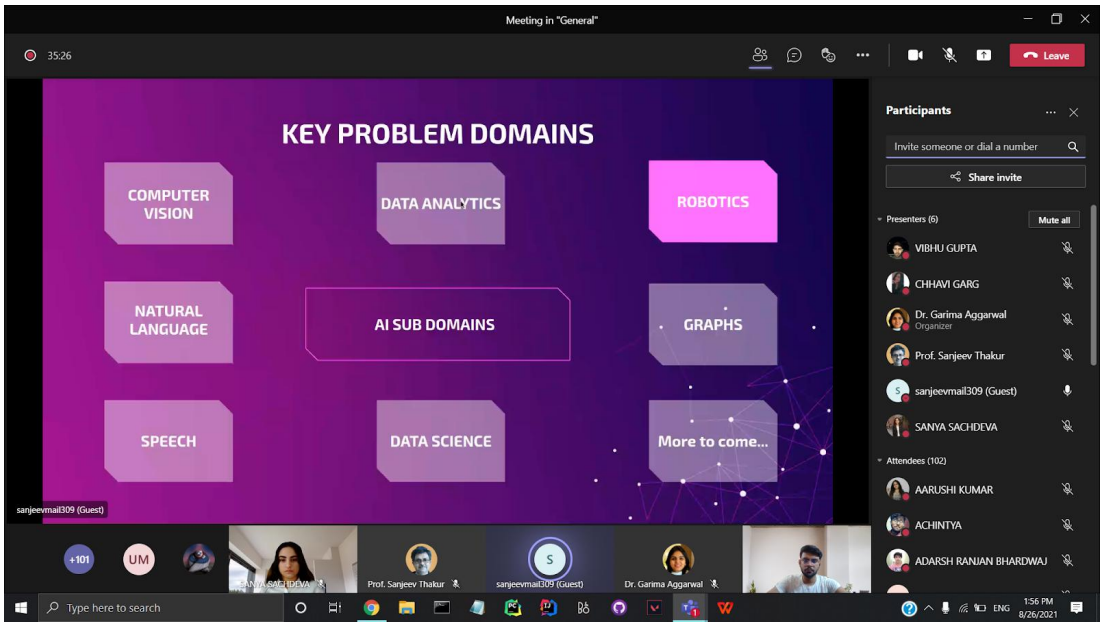
Event Details

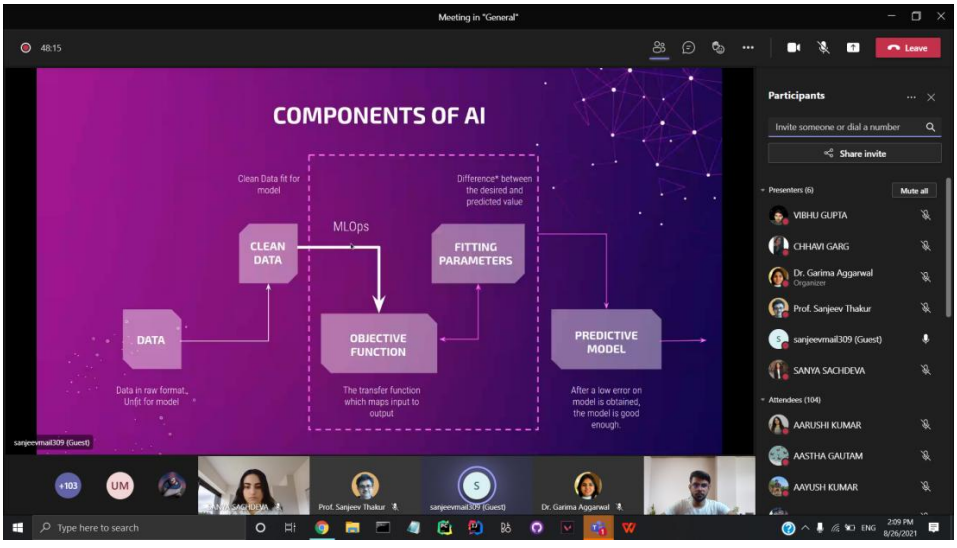
S. No	Date	Name of event	No of participants	Student Coordinators	Venue
1	2/5/2020	Webinar on Data Science and Machine Learning	110	All	Online- MS Teams
2	17/04/2020	Why and How to learn Blockchain and Artificial Intelligence	60	All	Online- MS Teams
3	17/08/2020	Workshop on Machine Learning and Data Science	65	All	Online- MS Teams
4	22/10/2020	Smash Hack (Coding Challenge)	70	All	Online- MS Teams
5	4/3/2021	Workshop on Machine Learning : Where & How to start??	85	All	Online- MS Teams
6	25/3/2021	Starting with Open Source from Scratch	60	All	Online- MS Teams
7	26/8/2021	AI & ML What? Why? How?	100	All	Online- MS Teams
8	2/9/2021	Building Blocks of Computer Vision: CNN	100	All	Online- MS Teams

9	11/11/21	Introduction to Natural Language Processing	120	All	Online- MS Teams
10	11/2/22	Bringing AI to the Edge	150	All	Online- MS Teams
11	3/3/22	Computer Vision CNNs and Neural Style Transfers	100	ALL	Online- MS Teams

1. AI & ML What? Why? How?

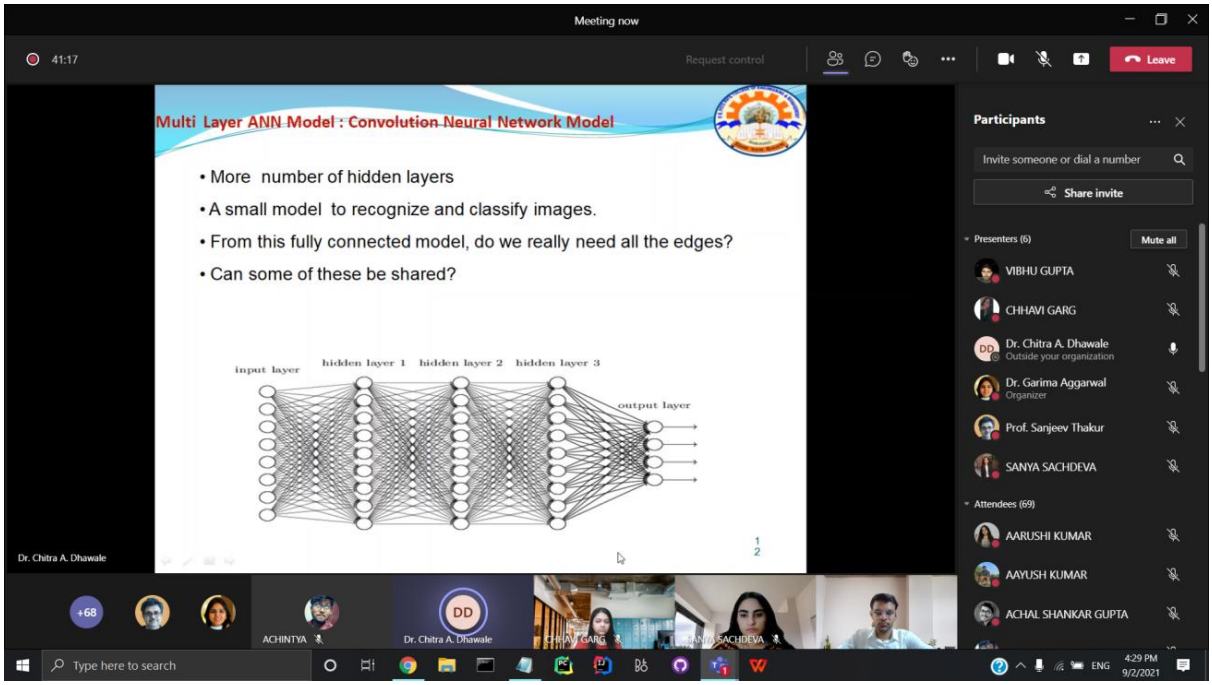
The webinar profoundly explained the practical overview of how to pursue the fields of AI. Roles and responsibilities of professional assignments in this field such as those of data scientists and ML engineers were also looked into.

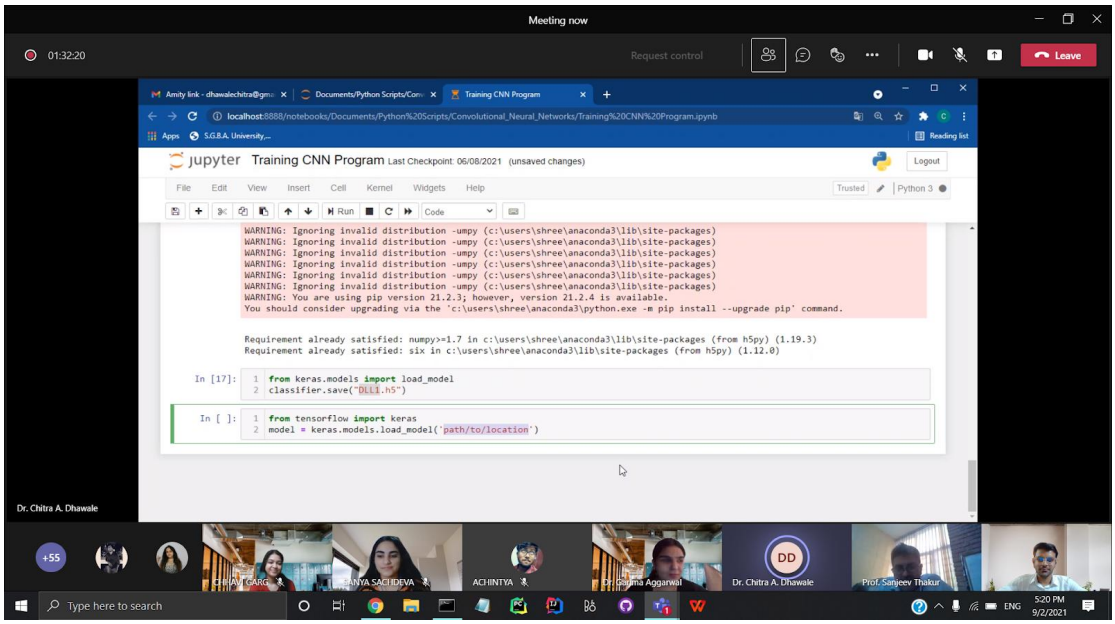




2. Building Blocks of Computer vision: Convolution Neural Networks

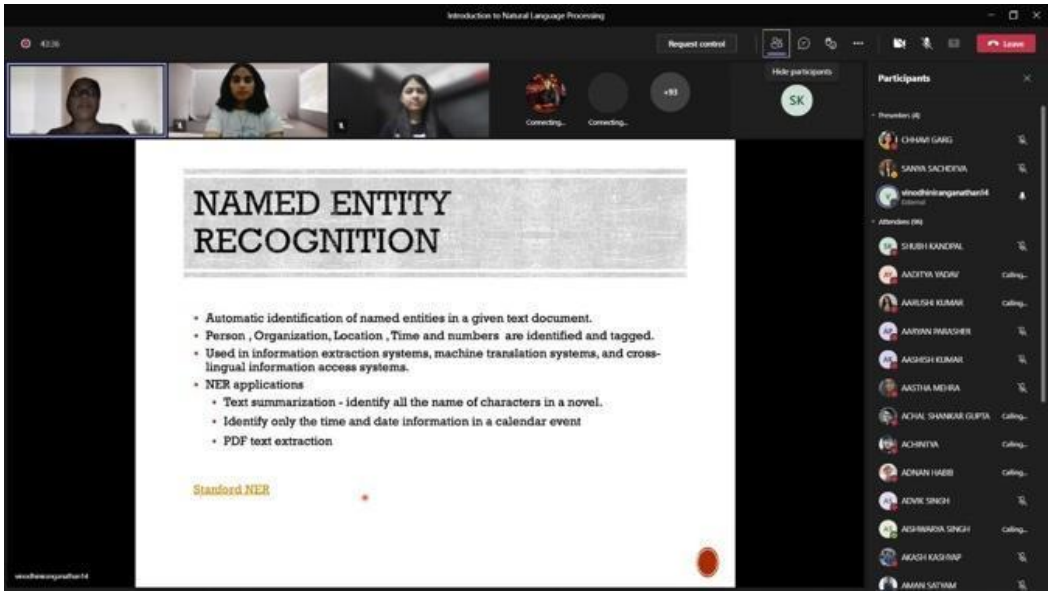
She further explained a CNN as a type of ANN used in image recognition and processing that is specifically designed to process pixel data. Live model was built using Keras from Tensorflow on a Jupyter Notebook using Python. Furthermore, the students learned how the complexity can be reduced using shared weights and nodes in a CNN.

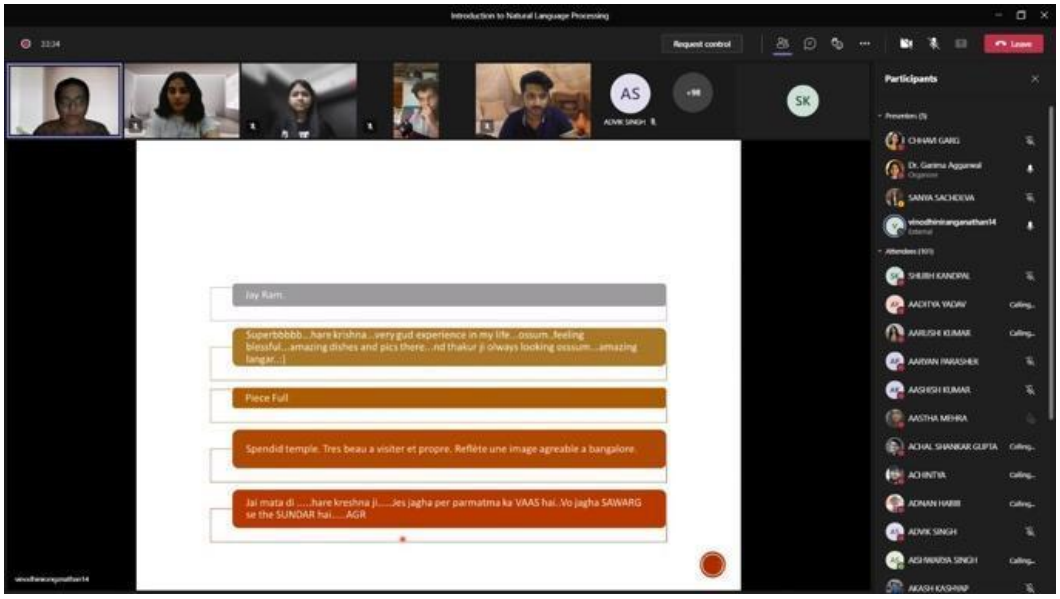




3. Introduction to NLP

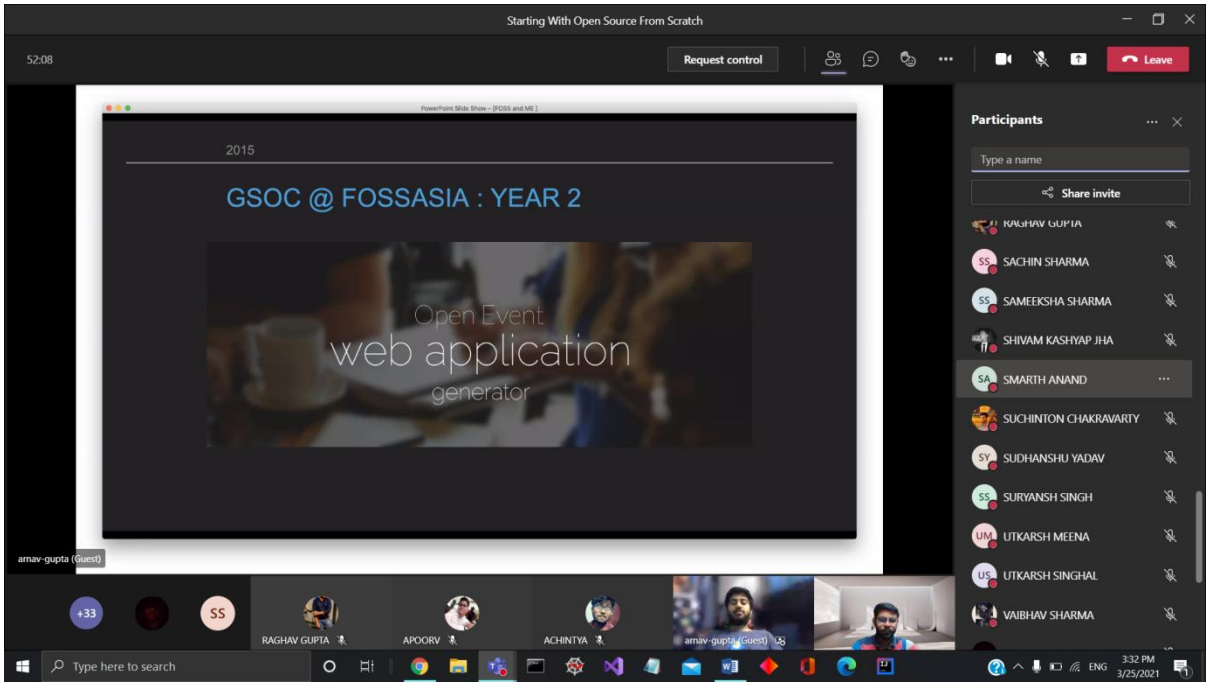
The webinar explained the basics of NLP and where it is used. Text Mining was explained first. The session was very interactive. The role of text was explained with real world examples. Label extraction and text was explained thoroughly. Sorting of emails, blogs and articles using NLP was touched upon.





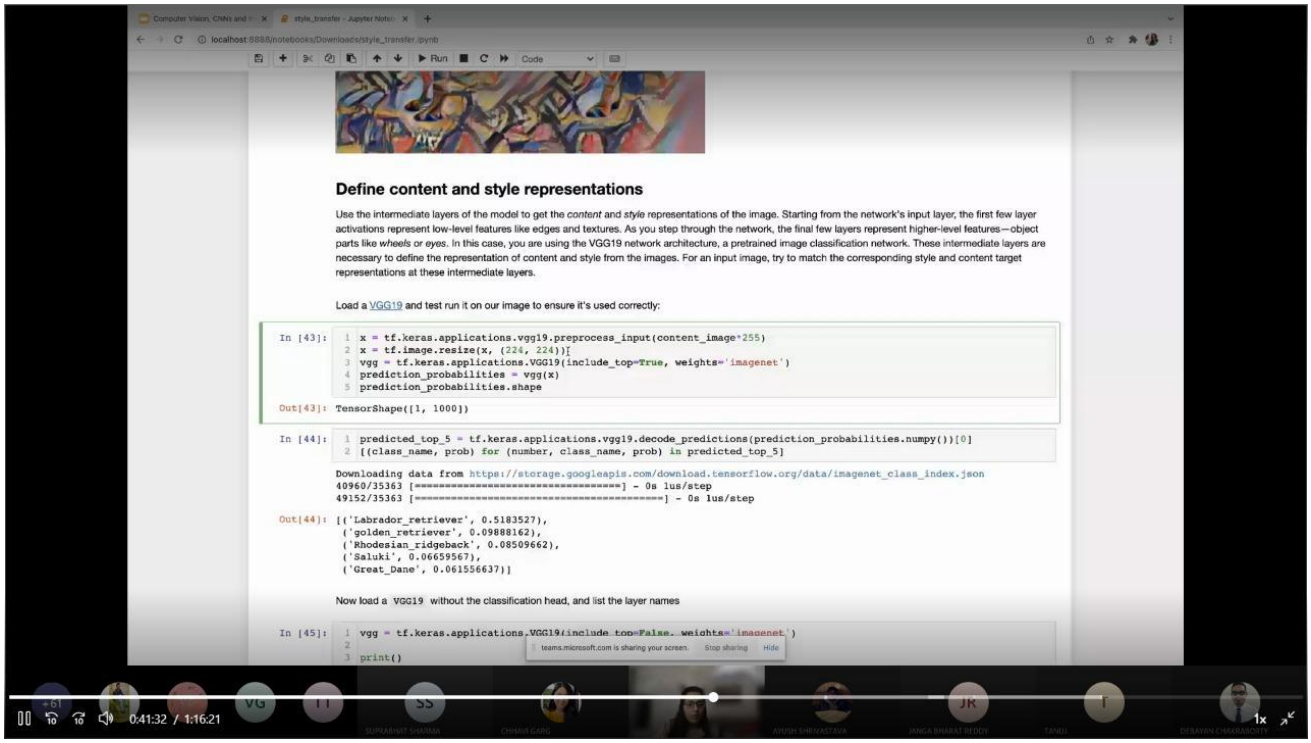
4. Starting with Open-Source from Scratch

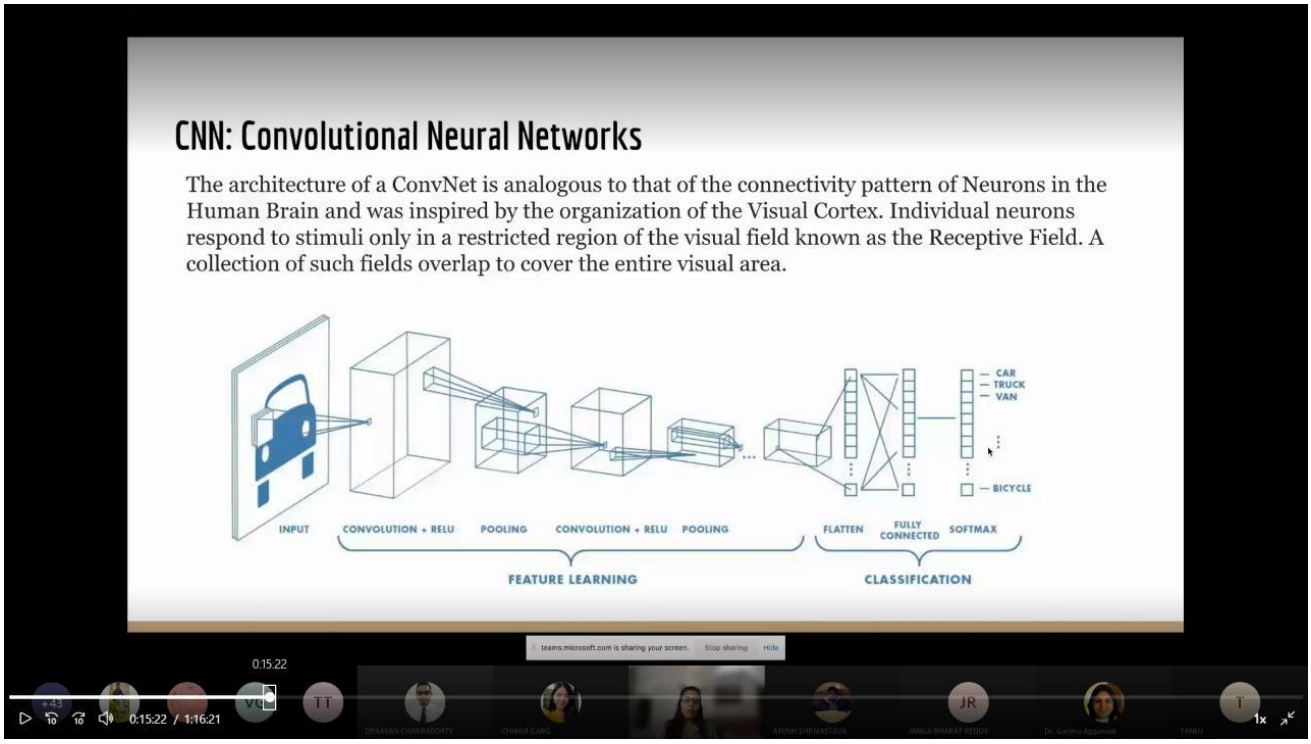
The webinar profoundly explained the practical overview of how to get started with Open source how contributions play a major role in making a healthy community where developers can access the source code and solve issues in that code with raising pr’s



5. Computer Vision CNNs and Neural Style Transfers

The speaker concluded by explaining that beginners often run into problems installing the software because of different versions of Tensorflow but all such arising problems can be solved by referring to GitHub. She further informed that Neural Style Transfer also has use case scenarios in data augmentation. The event culminated with a round of audience questions being answered by the speaker.





6. Bringing AI to the Edge

The speaker also thoroughly explained how different Multinational brands are implementing the Edge AI concept including NVIDIA Jetson, Intel Movidius NCS, etc. He also covered 5 examples to show how Edge AI can interpret pictures in scenarios such as Smart City Cameras where since Edge Inference doesn`t require data storage so frames can be anonymously analyzed to preserve privacy, further it can be used to infer population density in a specific target area as well as the time of peak population in the area,