

Vivekanand Education Society's Institute of Technology

Department of Computer Engineering

TIFR - VESIT Projects

Minutes of Meeting

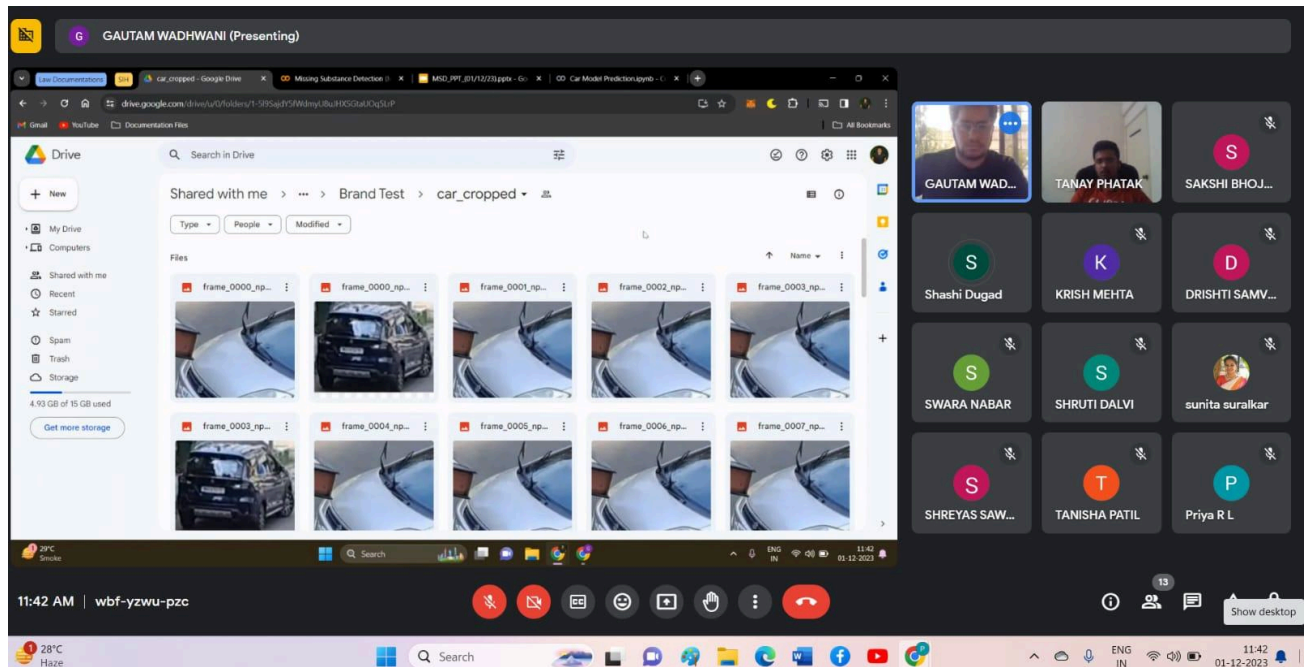
Venue: Online mode

Date: 01st December 2023

Time: 10.30 AM to 12.00 PM

Participants Attendance List:

- Dr. Shashi Dugad - Department of High Energy Physics, TIFR
- Dr. Gresha Bhatia - DHOD, Computer Engineering Department, VESIT
- Dr. Sharmila Sengupta - Computer Engineering Department, VESIT
- Mrs. Priya R.L - Assistant Professor, Computer Engineering, VESIT
- Mrs. Abha Tewari - Assistant Professor, Computer Engineering, VESIT
- Mrs. Sunita Suralkar - Assistant Professor, Computer Engineering, VESIT
- Mrs. Yugchhaya Galphat- Assistant Professor, Computer Engineering, VESIT
- Mrs. Sunita Sahu - Assistant Professor, Computer Engineering, VESIT
- Mr. Richard Joseph - Assistant Professor, Computer Engineering, VESIT
- BE Students, Computer Engineering, VESIT



Agenda:

- To present the work done since the previous meeting and share the progress.
- Plan further work to be done based on the suggestions given.

Points Discussed:-

Electron energy analysis of high granularity calorimeter:

1. Discussed results obtained by running our model on 4000 graphs.
2. Sir asked us to arrange a meeting on Monday i.e 04th December 2023 regarding TIFR pc credentials

Missing Substance Detection:

1. Train a car model classification model with a larger dataset.
2. Produce a dataset for number plate recognition using college CCTV footage.

3. Test results of NPR using a better OCR model and train an OCR model using the dataset created.

Remote Access Control:

1. Gesture Detection to be implemented on top of Face Recognition for Anti Spoofing.
2. Complete the implementation of gesture detection first, then move on to voice authentication.

Wireless Extraction of Display Panels using ML:

1. Stabilize the application so that there are no issues with the camera streams
2. Try running the application on 4-5 separate devices separated by regular time intervals
3. Use multiple cameras for testing

Data Security using Blockchain (Aatmanirbhar Sanchar - Secure Multimedia Communication):

1. Implement the File Sharing Feature
2. Search for ways to incorporate the multi-chat feature.