Vivekanand Education Society's Institute of Technology

Department of Computer Engineering

TIFR - VESIT Projects

Minutes of Meeting

Venue: Online mode

Date: 15th January 2024 **Time:** 1.30 PM to 2.30 PM

Participants Attendance List:

- **Dr. Shashi Dugad - Department of High Energy Physics, TIFR**
- **Dr. Sharmila Sengupta - Computer Engineering Department, VESIT**
- **Mrs. Priya R.L - 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. Task of running the code on the entire dataset completed and also tried a new model by modifying the previous code.

2. Next task is to add an edge feature in the code and see whether there are improvements or not in the RMSE and MSE values.

Missing Substance Detection:

1. Improve number plate recognition performance.
2. Study EfficientNet architecture and workings.

Remote Access Control:

1. Gesture detection implementation approved.
2. To work on voice authentication module.

Wireless Extraction of Display Panels using ML:

1. To enable remote streaming of the video feed.
2. To create new datasets for the model to train on.

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

1. Demonstrated the File Sharing feature between users and visibility of previous chats

2. To work on group chat feature