VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Final Year Project - UG

School of Computing Science and Engineering (SCOPE)

B.Tech. CSE/CPS/AL AND ML Capstone Project IN HOUSE

Weekly Status Report – Week_01- 05.12.2022 to 09.12.2022

Program: B.Tech. ~~CSE/CPS/~~AI AND ML **Batch: 2019-2023** **Course Code: CSE1904**

Register No.: 19BAI1032 **Name of the Student: Tejasri B N** **Mobile No.:8610036563**

Project Title: Bird Identification from Nature Sounds

Technical Implementation Steps & Programming Tools :

Steps:

- EDA (Features in Time Domain, Frequency Domain ,and Spectrum Based)
- Simple CNN architecture to classify spectrogram images
- TimmSed with Attention blocks. Tf EfficientNet, ECA NFNet, and ResNet pre-trained models.

Tools:

Google Collab, Jupyter Notebooks and Kaggle

05.12.2022	**EDA**	
06.12.2022	**Noise clearance and Spectrogram Generation (Conversion of Audio to images)**	
07.12.2022	**CNN Model Implementation (under progress)**	
08.12.2022	**Previous Ensemble-Based Model Implementation**	
09.12.2022	**Previous Ensemble-Based Model Implementation**	
Implementation	Patent / SCI / Scopus Indexed Journal Paper / Scopus Indexed Conference Paper/ Scopus Indexed Book Chapter	
Work Status	***Good***	
Attendance Status	**Regular**	***CAM – Max. 5 Marks per week***

5

12.12.2022

Tejasri B N
11.12.23

Signature of the Student with date

Name & Signature of the Guide with date