Department of Computer Engineering

A.Y. 2021-2022

List of Projects Undertaken by B.E. Students

1. Legal Document Clustering, Information Retrieval and Analysis

2. Emotion Analysis in a Livestreaming Environment

3. Tabular Data Recognition and Extraction from printed and handwritten Images

4. A framework for social media opinion mining for low resource Marathi text

5. An application that would help the blind to learn and code in various languages, using speech-to-text and NLP

6. YouTube ChromeExtension

7. Blockchain-based Federated Learning platform for Differentially Private Healthcare Data

8. Move More - A Virtual Physiotherapy Solution

9. An NLP-Based Assistive tool for Autistic and Mentally

10. Retarded Children: An Initial Attempt

11. Detection of learning disability traits in children

12. Portfolio Analysis and Response using NLP Smart Bot

13. Ethnicity based Text to Speech generator

14. MyEyes (An App for blind)

15. Visual - Audio based Deepfake Detection

16. Analysis of Audio Data using Quantum Machine Learning

17. Intelligent Traffic Management System

18. Quadratic Funding of Public Commodities

19. Adaptive LPR based framework for detection of over speeding vehicles

20. Analysis of microexpressions

21. Infant Expression Recognition

22. Sarcasm Detection in texts using AI

23. Find missing person using AI

24. Explainable AI for Time Series Model Interpretability

25. Music Recommendation based on Image Analysis

26. Incisive Analysis of Emotional Quotient of a Person using Audio Visual Data

27. Navigation of 3D Medical data during surgery using Hand Gestures

28. Abnormality Detection and Localization in Chest X-Rays

29. Plant Disease Prediction System

30. Information retrieval, classification and synopsisof newspaper articles.

31. Vision Acolyte

32. Classification of Diseases and Causal Insights based on Patient Symptoms

33. Simplifying Policy Documents using machine reading comprehension and open domain

34. Insurance eligibility and cost prediction, probability of contracting disease based on the Blood Report Analysis

35. Design and Implementation of Real Time Risk Detection during COVID19 Pandemic

36. Depression Detection and Control System

37. Non invasive blood Hemoglobin Detection

38. Algorithmic trading bot based on ML and twitter sentiment analysis for equity/ bonds/ derivatives/ mutual funds/ cryptocurrency.

39. Framework to allow Machine Learning Models to use Federated Learning