

PROJECTS TOPICS FOR M.TECH TERM PROJECT I

AUTUMN 2023

1. Graph NN
2. Programmable Protocol independent packet processors (P4) for SDN based DDoS attack mitigation
3. Study on performance of classifier on overlapped samples
4. GNN based recognition for Yoga Pose
5. Detection and classification of plant diseases
6. Optimization in Genetic code table
7. Collaborative edge computing (CEC) in Social Internet of Things (SIoT)
8. Computational Biology
9. Computational photography
10. Quantum Computing
11. Resource allocation problem in Frugal 5G Networks and Beyond (IEEE P2061)
12. Game Theory approach for network security
13. Machine learning based early recognition of NCDs in patients using multi-modalities of images and clinical parameters.
14. Autism detection and classification using ML
15. Natural Language Processing
16. Model-free gait recognition using deep learning
17. Natural language expression matching and paraphrasing.
18. Transformer based selection of important spoken sentences
19. Implementing QoS Routing with P4
20. Collision warning using rear dash cam in vehicles.
21. Computer vision and geometry

22. Knowledge Representation for Natural Language Processing
23. AI-based inverse problem solution in image
24. Data hiding in digital images
25. Rule based Malware detection using SNORT
26. Analysing paralinguistic cues in speech
27. Hyperspectral Image classification
28. SDN with P4
29. Channel allocation/scheduling problem in 5G/B5G networks
30. Trust in crowd computing
31. Dynamic gesture recognition using deep learning approach
32. Time series forecasting using nonlinear models
33. Nucleotide polymorphism in SARS-CoV-2 genome
34. Image filtering
35. Brain Tumor Segmentation and Classification using Deep Learning.
36. Cache memory management for high-performance computer
37. Multi-Objective Recommender Systems
38. Social Network Analysis based Community Detection
39. Image caption generation
40. Multi-model sentiment classification

Google Form link for submission: <https://forms.gle/mV7Ckfdhjtbf1ByG7>