

**List of Offered Projects for M.Tech(IT) and M.Tech(CSE)  
Autumn Semester 2022**

Sl. No.	Faculty Name	Offered Projects
1	Jyotismita Talukdar	Smart Waste Management using AI Detection of Autism spectrum disorder using Deep Learning.
2	D K Bhattacharyya	Development of feature selection algorithm and its hardware implementation.
3	Nityananda Sarma	Prefetching and Replacement policies for Cache Memories in High Performance Computers Routing and Wavelength Assignment in Elastic Optical Networks using ML techniques
4	S S Satapathy	Graph theory based analysis of Symmetry in Genetic Code, Screen time and Language development: A machine learning based study
5	Rosy Sarmah	Machine learning in Medical images Differential expression analysis
6	Md Faiz Iqbal Faiz	Few shot learning for medical imaging AI for handling respiratory diseases Object detection in medical imaging
7	Swarnajyoti Patra	Pattern classification using sparse representation classifiers
8	Arindam Karmakar	Image analysis using graphs and geometry Network analysis using graphs and geometry
9	N Medhi	Best move prediction in Lawn Tennis using AI/ML/AR/VR approaches (Basics of AI/ML and react-native is preferred) Software-Defined Routing in Networks (Must have completed SDN course satisfactorily in the previous semester) Software-Defined Reality (Must have completed SDN course satisfactorily in the previous semester)
10	Debojit Boro	Gait analysis of pedestrians using computer vision 5G in vehicular communications Quantum Computing
11	Shobhanjana Kalita	Machine Learning for Climate Change Risk Assessment Virtual Reality Systems and Machine Learning
12	Sanjib K Deka	Transport Service based Network Slicing for B5G/6G networks Virtual Reality over Wireless Networks - QoS Model and resource management
13	S.I.Singh	Video-text Learning for Yoga Pose recognition Truth value discovery for crowd-sensing platform using information fusion technique
14	L Basantakumar Singh	Deep Learning based Holographic Reconstruction Deep Learning based Hologram Compression
15	Sarat Saharia	Object Segmentation in Medical Images using Machine Learning Techniques Human Pose Estimation based Gait Analysis using CNN Gait Analysis in Health Care using HPE (Human Pose Estimation)
16	Bhabesh Nath	Detection of number of vehicles in a video frame To decide about wait time for a smart traffic light.
17	Utpal Sharma	Morphosyntax of a language of North East India Natural language generation/synthesis
18	Sanghamitra Nath	Audio embedding Audio Fingerprinting
19	Habila Basumatary	Reactive Routing in WSN, Localization in WSN
20	D. K. Saikia	P4 assisted Network Management

**To submit your project preferences follow the link:**

[https://docs.google.com/forms/d/1Yt\\_hHgAa\\_GKHHZfjz5LsOm-sf8FrSqp\\_p\\_SamWn\\_PxM/edit?usp=sharing](https://docs.google.com/forms/d/1Yt_hHgAa_GKHHZfjz5LsOm-sf8FrSqp_p_SamWn_PxM/edit?usp=sharing)