

List of offered Projects for Mtech (IT & CSE)
Department of Computer Sc. & Engineering, Tezpur UNiversity
Autumn Semester 2021

Sl No	Project Title/Topic
1	SDN based edge computing network
2	Caching mechanism for Named Data Networks
3	Federated learning for Healthcare with Privacy Protection
4	Blockchain in health-related data analysis.
5	Smart (IoT-enabled) and secure Food vehicle design
6	Integrative data analysis approach development.
7	CNN based gait analysis for covariate conditions
8	Pose Estimation for Human Gait Analysis
9	Semantic segmentation for overlapping object detection
10	Sentiment summarization of texts (combines conventional sentiment analysis and summarization)
11	Decomposition of complex and compound sentences for meaning representation
12	Time series analysis
13	Feature selection using deep learning
14	Cache Optimization in High performance Processors
15	QoS provisioning in Named Data Networking
16	Use of IoT in transportation of goods.
17	Using IoT to monitor heart patient
18	Polymerphism in Covid-19 Genome Stem-loop structures
19	Nucleotide polymerphism and gene functionality: a ML based analysis
20	Dynamic network slicing in 6G Network
21	Contextually Agile eMBB Communications in 6G
22	Event Defined uRLLC (EDuRLLC) in 6G
23	Integration of Protein interaction networks with multi Omics data
24	Differential expression analysis of scRNA-seq data
25	Extraction of deep learning features for GBC
26	Driving behavior analysis using deep learning
27	Face detection from smartphone pools using federated learning
28	Defending machine learning models from adversarial attacks
29	Graph learning/ isorphism
30	Geometric algorithms for image processing/computer vision
31	Spoken document topic segmentation
32	Investigating prosodic prominence in Assamese and Mizo
33	Structure preserving image filtering
34	sparse representation classifier
35	Detection of fake news in social media
36	Diagnosis of neuro-degenerative diseases from MRI data
37	Health Monitoring in Internet of Medical Things (IoMT) using Machine Learning (ML) Approaches
38	SDN based QoS for IoT
39	Securing SDN control plane using Blockchain
40	Machine learning approach for spectrum management in 5G enabled smart city
41	Metabolic Network analysis
42	Computer Aided Diagnosis
43	Prediction of Pest Infestation

NB: 1. M.Tech students should apply individually.

2. Projects will be allocated based on the CGPA (till last semester).

3. Students need to submit minimum of 3 preferences and maximum 5 preferences.