List of offered Projects for MCA

Department of Computer Sc. & Engineering, Tezpur UNiversity

Autumn Semester 2021

Sl. No.	Project Title/Area
1	Information Syatem for Health Centre
2	Federated Learning Tool
3	Blockchain in Food Traceability
4	IoT in Food Safety
5	Dimensionality Reduction
6	Collecting similar images from Internet
7	Image enhancement for better visualization
8	Web database application
9	Python based GUI for computer vision and/or image processing applications
10	Image segmentation
11	Digital repository of TU for document archival and retrieval
12	Preparation of parallel corpora.
13	Machine assisted Text Annotation tool.
14	Feedback Management and Analysis system
15	Online Examination System
16	Students' mentoring system
17	Pathology Lab Management system (MCA 5th Sem)
18	A computerised ruberic for attainment of POs in outcome based education (MCA 5th Sem)
19	Searchable Telephone directory of Tezpur University. Using MySQL and PHP (bootstrap, CSS optional)
20	Activity information system for Academic projects. Using MySQL and PHP (bootstrap, CSS optional)
21	Python based software development for multiple genome sequence analysis
22	Python based software development for single genome sequence analysis
23	Tezpur University Computer Society (TUCS) Website Development (MCA 5th Sem)
24	Next-word prediction in smartphone using federated learning (MCA 5th Sem)
25	e-commerce android application development (MCA 3rd Sem)
26	Android application for waste re-cycle system (MCA 3rd Sem)
27	Network slicing in 5G Network
28	Federated Learning for IoMT networks
29	A web based tool for Semi-supervised learning for GBC
30	Integration of Protein interaction networks with multi Omics data
31	Clinical Data management
32	Differential expression analysis of scRNA-seq data
33	Mobile App Based Burgler Alarm/Alert
34	Web/App based Student Project Tracking System
35	Personal Organizer App
36	Graph learning
37	News letter for our department
38	Geometric algorithms for image processing/computer vision
39	Automatic Transcription System for Assamese
40	Automatic Speech Segmentation
41	Pattern classification
42	Attribute filtering
43	Image Processing Application

44	Location based Book Sharing Application
45	Cognitive IoT
46	IoT for Healthcare
47	SDN aided IoT
48	Spectrum management in 5G using cognitive radio
49	Iot based smart education system
50	Deep Learning based voice cloning
51	Inventory management system using PHP/ASP.NET/CSS/JS/HTML

NB:
1. MCA students should apply individually or in group of 2(max).
2. Projects will be allocated based on the CGPA (till last semester). For groups highest CGPA between the group members will be considered.
3. Students need to submit minimum of 3 preferences and maximum 5 preferences.