

**M.TECH. (IT) - List of offered Projects, Autumn 2019**

SI No	Project Title/Area	Faculty Name
1	Biomarker identification for Gall Bladder Carcinoma or Esophagus Squamous Cell Carcinoma	Prof. D K Bhattacharyya
2	Blockchain approach for DDoS security	Prof. D K Bhattacharyya
3	5G communication with cognitive radio network	Mrs. Monisha Devi
4	Software-Defined FOG (student must have secured grade $\geq 8$ in both STCN and Mobile Computing)	Dr. Nabajyoti Medhi
5	SDN based Scalable routing for large networks (student must have secured grade $\geq 8$ in both STCN and Mobile Computing)	Dr. Nabajyoti Medhi
6	Metabolic Network Analysis	Dr. S.S. Satapathy
7	Cellular automata based Symmetry analysis in genetic code table	Dr. S.S. Satapathy
8	Time series prediction using Bayesian Model averaging	Dr. S I Singh
9	Identification of Genes from Gene expression data using Gaussian Process and Model averaging	Dr. S I Singh
10	Image segmentation of CT Scan and USG images for prediction of cancer	Dr. Rosy Sarmah
11	Identifying genomic signatures towards disease causing potential	Dr. Rosy Sarmah
12	Blockchain	Dr. Debojit Boro
13	Study of Speech Anomaly.	Dr. Sanghamitra Nath
14	Machine learning	Dr. Swarnajyoti Patra
15	Active learning	Dr. Swarnajyoti Patra
16	Combining CNN with hadcrafted features handwritten character recognition	Dr. S Saharia
17	Gait analysis for surveillance	Dr. S Saharia
18	Machine Learning Approach for Spectrum Prediction and Cooperative Spectrum Sensing	Prof. N Sarma
19	Critical Data Provenance using Blockchain	Prof. N Sarma
20	Radio Signal Identification using Deep Learning	Prof. N Sarma
21	SDN Multi Controller	Prof. D K Saikia
22	Computer Vision	Dr. Shobhanjana Kalita
23	Referrent identification- From a given text identify all the referents and their relationships.	Prof. U Sharma
24	Computational syntax for an NE Indian language.	Prof. U Sharma
25	Computational representation of information extracted from texts.	Prof. U Sharma
26	Applications of Geometric algorithms in Graphics/Image processing	Dr. Arindam Karmakar
27	Optimization	Dr. Arindam Karmakar
28	Machine Learning	Dr. Nazrul Hoque
29	An energy aware forwarding protocol using distributed TDMA for CRN	Dr. Sanjib Kumar Deka
30	Throughput optimization for underlay CRN	Dr. Sanjib Kumar Deka
31	A web based application for identifying faces in a group photograph (using Machine Learning)	Dr. B Nath
32	Machine Learning	Prof. B Borah
33	Deep Learning	Prof. B Borah

**\* Submit your choices using the format in hard copy/ soft copy to [gautamd@tezu.ernet.in](mailto:gautamd@tezu.ernet.in)**