

## Projects offered for M.Tech 3rd Semester, Autumn 2018

Sl No	Guide Name	Project Title
1	Dr. Siddhartha S. Satapathy	RNA Secondary structure prediction
2	Dr. Siddhartha S. Satapathy	Metabolic network analysis
3	Dr. Nabajyoti Medhi	SDN based Application-Aware Networking
4	Dr. Nabajyoti Medhi	SDN aided 5G communication
5	Dr. Sanjib Deka	Channel Assignment for CRN
6	Dr. Sanjib Deka	Mobility driven Co operative Spectrum Sensing Framework design
7	Dr. Debojit Boro	Motive inference based on actions
8	Mrs. Monisha Devi	Routing in cognitive radio networks
9	Mrs. Monisha Devi	Spectrum handoff in cognitive radio networks
10	Prof. Dilip Kumar Saikia	Multi-controller for Software Defined Networks (SDN)
11	Prof. Dilip Kumar Saikia	SDN for 5G Networks
12	Dr. Arindam Karmakar	Algorithms and Applications
13	Dr. Swarnajyoti Patra	Object based image analysis
14	Prof. Bhogeswar Borah	Time series analysis
15	Prof. Bhogeswar Borah	Deep learning for image processing
16	Dr. Sarat Saharia	Parasite egg detection in fecal images (using semantic segmentation)
17	Dr. Sarat Saharia	Hand gesture recognition using deep learning
18	Dr. Rosy Sarmah	Network based approach to disease gene prioritization
19	Dr. Rosy Sarmah	Network module extraction
20	Prof. Smriti Kumar Sinha	Natural Language Processing
21	Prof. Utpal Sharma	Machine Translation involving a resource poor NE language.
22	Prof. Utpal Sharma	Computational syntax for Assamese.
23	Prof. Utpal Sharma	Computational representation of information extracted from texts.
24	Prof. Dhruba K. Bhattacharyya	Developing defense for Android Malware
25	Prof. Dhruba K. Bhattacharyya	Developing a tool to compare the gene-gene networks across the conditions of a given disease.
26	Prof. Dhruba K. Bhattacharyya	Big Data Analytics tool development using Py-CUDA or C-CUDA
27	Ms. Shobhanjana Kalita	Human Activity Recognition from video
28	Dr. Nazrul Hoque	Machine Learning
29	Prof. Nityananda Sarma	Design and Analysis of Synchronous MAC protocol for Underwater Sensor networks
30	Prof. Nityananda Sarma	Design and Analysis of Asynchronous MAC protocol for Underwater Sensor networks
31	Prof. Nityananda Sarma	Channel Assignment problem in Multihop Adhoc CRNs.
32	Dr. Swarnajyoti Patra	Building component tree for attribute filtering.
33	Dr. Swarnajyoti Patra	Deep learning for HSI classification.
34	Mrs. Sanghamitra Nath	Study of Speech Anomaly.