Projects offered for B.Tech 7th Semester, Autumn 2018

Sl No	Guide Name	Project Title
1	Dr. Siddhartha S. Satapathy	DNA sequence analysis using Python
2	Dr. Bhabesh Nath	Drawing the various form of graphs (line graph, histogram, bar chart) in browser on the fly using Php. (inputs may be given by HTML form, from a local file or data taken from a database)
3	Dr. Nabajyoti Medhi	Vulnerability Assessment and Penetration Test (VAPT)
4	Dr. Nabajyoti Medhi	Android location based blogging (Requisite: Android SDK, PHP, MySQL)
5	Dr. Nabajyoti Medhi	Enhancement in CORD (Central Office Re-architected as a Datacenter) platform for Data Centers (Requisite: Java/Python)
6	Dr. Sanjib Deka	Deep learning based primary user activity prediction in CRN
7	Dr. Sanjib Deka	Android app for teacher feedback
8	Dr. Debojit Boro	A tool for flash crowd mimicking high-rate DDoS attack generator
9	Dr. Debojit Boro	Examination routine generator for SoE
10	Mrs. Monisha Devi	Spectrum allocation in cognitive radio networks
11	Mrs. Monisha Devi	MAC protocol design in cognitive radio networks
12	Prof. Dilip Kr Saikia	SDN Applications for Campus Networks
13	Dr. Arindam Karmakar	Algorithms and Applications
14	Dr. Arindam Karmakar	Algorithms and Applications
15	Dr. Swarnajyoti Patra	Building component tree for attribute filtering
16	Prof. Bhogeswar Borah	Neural network Design and Analysis
17	Prof. Bhogeswar Borah	Fuzzy rule based system design and application
18	Dr. Sarat Saharia	Online course registration (web-based or mobile app)
19	Dr. Sarat Saharia	Sclera segmentation and recognition recognition
20	Dr. Rosy Sarmah	Medical image analysis
21	Dr. Rosy Sarmah	Application of computational biology in disease gene identification
22	Prof. Smriti Kumar Sinha	Natural Language Processing
23	Prof. Utpal Sharma	Analysis of social media text exchanges.
24	Prof. Utpal Sharma	Text-to-speech conversion.
25	Prof. Nityananda Sarma	System for Capturing, Collecting and analysis of Malware (4 students)
26	Prof. Nityananda Sarma	Machine Learning Approach for detection and analysis of malware (3 students)
27	Prof. Dhruba K. Bhattacharyya	Developing defense for Android Malware
28	Prof. Dhruba K. Bhattacharyya	Developing a tool to compare the gene-gene networks across the conditions of a given disease.
29	Prof. Dhruba K. Bhattacharyya	Big Data Analytics tool development using Py-CUDA or C-CUDA.
30	Ms. Shobhanjana Kalita	Intelligent tourism system
31	Ms. Shobhanjana Kalita	Fuzzy logic based performance evaluation
32	Dr. Nazrul Hoque	Machine Learning
33	Dr. Swarnajyoti Patra	Deep learning for HSI classification.
34	Dr. Swarnajyoti Patra	Object based image analysis.
35	Mrs. Sanghamitra Nath	Text-to-Speech system for Nalbaria dialect
36	Mrs. Sanghamitra Nath	Dialect translation system (Std. to Nalbaria)