

B.TECH. - List of offered Projects, Autumn 2019

Sl No	Project Title/Area	Faculty Name
1	Blockchain approach for healthcare service	Prof. D K Bhattacharyya
2	Machine Learning Solution for Malware detection	Prof. D K Bhattacharyya
3	Machine learning approach for cognitive radio security	Mrs. Monisha Devi
4	DNA Secondary structure prediction using graph based approach	Dr. S.S. Satapathy
5	Image segmentation of CT Scan and USG images for prediction of cancer	Dr. Rosy Sarmah
6	Identifying genomic signatures towards disease causing potential	Dr. Rosy Sarmah
7	Blockchain	Dr. Debojit Boro
8	Text-to-Speech system for Nalbaria dialect	Dr. Sanghamitra Nath
9	Dialect translation system (Std. to Nalbaria)	Dr. Sanghamitra Nath
10	Mathematical morphology	Dr. Swarnajyoti Patra
11	Image classification	Dr. Swarnajyoti Patra
12	Handwritten character segmentation	Dr. S Saharia
13	Database Application (e.g.TU leave processing	Dr. S Saharia
14	Board meeting portal/software	Dr. S Saharia
15	Critical Data Provenance using Blockchain	Prof. N Sarma
16	Radio Signal Identification using Deep Learning	Prof. N Sarma
17	IoT based monitoring and control of parameters for efficient operation of a biogas plant.	Prof. D K Saikia
18	Student assignment plagiarism checker (2 sems)	Dr. Shobhanjana Kalita
19	Facial expression recognition.	Dr. Shobhanjana Kalita
20	Text correction tool that employs various heuristics to improve the linguistic quality of a given input text.	Prof. U Sharma
21	Speech searching.	Prof. U Sharma
22	Speech annotation	Prof. U Sharma
23	Algorithms for emerging technologies	Dr. Arindam Karmakar
24	Algorithms for data analysis/visualization	Dr. Arindam Karmakar
25	ML based opportunity prediction at MAC layer sensing for CRN	Dr. Sanjib Kumar Deka
26	A light weight protocol design for IoT based (Android App)	Dr. Sanjib Kumar Deka
27	BioInformatics	Dr. S S Satapathy
28	Web based Contact directory for TU using PHP.	Dr. B Nath
29	Network Security	Dr. Nazrul Hoque
30	Machine learning using Fuzzy logic and Neural network	Prof. B Borah
31	Multivariate time series forecasting	Prof. B Borah
32	Academic Project Management system (Using PHP)	Dr. B Nath
33	Campus Tuition Web application	Dr. Nabajyoti Medhi
34	Android blogging app	Dr. Nabajyoti Medhi
35	Android based e-commerce app	Dr. Nabajyoti Medhi
36	Android based geo-location app	Dr. Nabajyoti Medhi
37	Development of an autonomous system for physiotherapy (inter-departmental project, 1CSE + 1ECE + 1ME)	Interdepartmental B.Tech project