

M. Tech IT Projects Offered List, Autumn 2016

Sl. No.	Area / Topic	Faculty Name	No of Students per group
1	Alert correlation	Dhruba Kr Bhattacharyya	1
2	Malware Detection		1
3	Empirical Study		1
4	Natural Language Processing	Smriti Kr Sinha	1
5	Scocial Networking		1
6	NLP, Speech Processing	Utpal Sharma	1
7	NLP, Speech Processing		1
8	Software Defined Network (SDN) based network Security	Nityananda Sarma	1
9	Spectrum Sensing & Sharing in Cognitive Radio Networks (CRNs)		1
10	Data / Text mining	Bhogeswar Borah	1
11	Data / Text mining		1
12	Gait analysis/recognition, gesture segmentation/recognition, historical document analysis recognition	Sarat Saharia	1
13	Gait analysis/recognition, gesture segmentation / recognition, historical document analysis recognition		1
14	Missing value prediction using datamining	Bhabesh Nath	1
15	Codon Usage Bias(Bioinformatics)	Siddhartha S Satapathy	1
16	Mutation in Genome Sequence(Bioinformatics)		1
17	Genome scale Metabolic Network Reconstruction(Bioinformatics)		1
18	Switching delay minimized MAC layer sensing scheme for Cognitive Radio Networks	Sanjib Kr. Deka	1
19	Mobility aware Cooperative spectrum sensing for CRN		1
20	Transliteration : A Hybrid Method / Research Bayesian & Rule Based	L Basantakumar Singh	1
21	A discrimination method for flash crowd mimicking DDoS attack	Debojit Boro	1
22	Algorithms	Arindam Karmakar	1
23	Extraction of cues for dialect identification	Sanghamitra Nath	1
24	Remote Sensing	Swarnajyoti Patra	1
25	Pattern Recognition	Swarnajyoti Patra	1
26	Human Activity Recognition in video	Shobhanjana Kalita	1
27	Human Computer Interaction	Shyamanta M Hazarika	1
28	Signal Processing		1
29	Bioinformatics (biological relevance of clustering and classification using knowledge bases)	Rosy Sarmah	1
30	Trust and Reputation	S I Singh	1

MCA Projects Offered List, Autumn 2016

Sl. No.	Area / Topic	Faculty Name	No of Students per group
1	Bioinformatics	Dhruba Kr Bhattacharyya	2
2	Natural Language Processing	Smriti Kr Sinha	2
3	Social Networking		2
4	TU/Deptt Application	Utpal Sharma	2
5	University Application Software	Nityananda Sarma	2
6	Image processig	Bhogeswar Borah	2
7	Image processig		2
8	database application / Patern recognition	Sarat Saharia	2 or 3
9	database application / Patern recognition		2 or 3
10	Detection of Scripting Injection Attacks using dynamic candid evaluation.	Debasish Das	2
11	Online students' feedback system.		2
12	Faculty Information System for Tezpur University.		2
13	Information System for Mentoring Students	Bhabesh Nath	2
14	Committee information system of TU	Bhabesh Nath	2
15	Codon Usage Bias (Bioinformatics)	Siddhartha S Satapathy	2
16	Mutation in Genome Sequence (Bioinformatics)		2
17	Android based Application / Problem on Cognitive Radio Networks	Sanjib Kr. Deka	2
18	Profile Management (Web Based)	L Basantakumar Singh	2
19	A implementation and study on the effectiveness Dynamic Protocol Specific Defense Architecture for HDDoS flooding attacks. OR, A discrimination tool for DDoS and flash crowd based on self-similarity (using Java). Note*: Framework already exist	Debojit Boro	2
20	Algorithms	Arindam Karmakar	2
21	Building and Annotating a phonetically balanced Speech Corpus	Sanghamitra Nath	2
22	Pattern Recognition	Swarnajyoti Patra	2
23	Image processig	Swarnajyoti Patra	2
24	Video Annotation and Indexing	Shobhanjana Kalita	2
25	Web Based Application	Zubin Bhuyan	2
26	Bioinformatics (biological relevance of biclustering using knowledge bases)	Rosy Sarmah	2

B. Tech Projects Offered List, Autumn 2016

Sl No	Area / Topic	Faculty Name	No of Students per group
1	IoT (Internet of Things)	Dhruba Kr Bhattacharyya	2
2	SDN		2
3	NLP, Speech Processing	Utpal Sharma	2
4	NLP, Speech Processing		2
5	Software Defined Network (SDN) based Traffiv Engineering	Nityananda Sarma	2
6	Spectrum Sharing in Cognitive Radio Networks (CRNs)		2
7	Machine Learning	Bhogeswar Borah	2
8	Machine Learning		2
9	database application / Patern recognition	Sarat Saharia	2 or 3
10	database application / Patern recognition		2 or 3
11	IoT (Internet of Things) application for monitoring Server room uses (Using Webcam sensor)	Bhabesh Nath	2
12	Detection of Scripting Injection Attacks using dynamic candid evaluation.	Debasish Das	2
13	Codon Usage Bias (Bioinformatics)	Siddhartha S Satapathy	2
14	Mutation in Genome Sequence (Bioinformatics)		2
15	Android based Application / Problem on Cognitive Radio Networks	Sanjib Kr. Deka	2
16	Single Text Summarization	L Basantakumar Singh	2
17	A method for IP traceback mechanism / A java tool for detection for detection of TCP RTO exploitation	Debojit Boro	2
18	Algorithms	Arindam Karmakar	2
19	Algorithms	Arindam Karmakar	2
20	Voice Conversion/ Voice Manipulation	Sanghamitra Nath	2
21	Pattern Recognition	Swarnajyoti Patra	2
22	Image processig	Swarnajyoti Patra	2
23	Content based video retrieval	Shobhanjana Kalita	2
24	Affordance detection from video	Zubin Bhuyan	2
25	Ontology Building from Data streams	Zubin Bhuyan	2
26	Human Computer Interaction	Shyamanta M Hazarika	2
27	Intelligent Assistive Devices		2
28	Bioinformatics (Developing an application for clustering and network reconstruction of gene expression data)	Rosy Sarmah	2