

**Projects Offered for Mtech IT in Autumn 2015**  
**Department of CSE**

Faculty	Area	Groups
Prof. M. Dutta	P=NP problem (suitable topic suggested by student )	2
Prof. D.K. Bhattacharyya	1. Network Security (Application layer)	4
	2. Network Security (Network & Transport Layer)	
	3. Bioinformatics	
	4. GPU Based Deep Learning	
Prof. S.M. Hazarika	1. Extending BDI Architecture for Cognitive Collaborative Control	3
	2. Formal Concept Analysis for Knowledge Discovery in Big Data	
	3. EEG Signal Processing for Emotion Recognition	
Prof. U. Sharma	1. Natural Language Processing	2
	2. Speech Processing	
Prof. N. Sarma	1. Spectrum Sensing in Cognitive Radio Networks	3
	2. Spectrum Sharing in Cognitive Radio Networks	
	3. Security in Cloud / Wavelength Assignment in Elastic Optical Networks	
Dr. B. Borah	1. Text mining	2
	2. Forecasting techniques	
Mr. S. Deka	1. Cognitive Radio Networks	2
	2. Cognitive Radio Networks	
Mr. D. Boro	1. Network Security (Low Rate DDoS Attack Detection using Wavelet Analysis Method)	2
	2. Network Security (Development of an effective mechanism for IP traceback).	
Dr. A. Karmakar	1. Algorithm	2
	2. Algorithm	
Mrs. S. Nath	1. A Study of Evaluation Methods for TTS systems	2
	2. Extraction of cues for dialect identification.	
Dr. S. Patra	1. Active Learning	2
	2. Change Detection	
Dr. S. Saharia	1. Patter Recognition (Gait analysis, Gesture analysis, face/facial ession recognition, visual saliency detection etc)	1
Mr. L.B. Singh	1. Trust and reputation	1
Prof. S.K. Sinha	1. Natural Language Processing	1
Mr. S.I. Singh	1. Missing trust values prediction for cloud service using Gaussian process.	2
	2. Comparative study of trust prediction using gaussian process and Kalman filter.	

**Note:**

**List of Projects and Application format** is also uploaded on department webpage :  
<http://www.tezu.ernet.in/dcompsc/news/news.html>