


Ph. D. in Computer Science

Elective (4 Credits)							
IT509	Data Mining and Data Warehousing	3	0	1	4	E	B. Borah
CO513	Fundamentals of Speech Processing	3	0	1	4	E	S. Nath
IT510	Advanced Operating Systems	3	0	1	4	Core	S. K. Deka
Elective (3 Credits)							
CO434	Image Processing	3	0	0	3	E	B. Borah
CO504	Natural Language Processing	3	0	0	3	E	U. Sharma
CS610	Bioinformatics	3	0	0	3	E	S. Satapathy
CS538	Computational Geometry	3	0	0	3	E	A. Karmakar
CO519	Internet of Things	3	0	0	3	E	D. Boro
CO435	Mobile Computing	3	0	0	3	E	N. sarma
Ph.D.							
CS704	Doctoral Research Methodology	4	0	0	4	Core	US/DKB
CS701	Algorithms and Complexity	4	0	0	4	Core	A. Karmakar
XXxxx	Research area based Elective I				3/4	E	
XXxxx	Research area based Elective II				2/3/4	E	
XXxxx	Research area based Elective III (Not required if total credit already becomes 16)				2/3/4	E	
Total					16-18		
Choose Electives from the following list and MOOCs list. Number of MOOCs courses taken should not exceed 2.							
CO513	Fundamentals of Speech Processing	3	0	1	4	E	S. Nath
CS538	Computational Geometry	3	0	0	3	E	A. Karmakar
CS602	Image Processing	3	0	0	3	E	B. Borah
CS610	Bioinformatics	3	0	0	3	E	S. Satapathy
Open Electives (for Non-CSE, i.e., students from other Departments)							
CS537	Natural Language Processing	3	0	0	3	OE	U. Sharma
CS536	Computer Applications and Information Management	2	0	1	3	OE	L. B. Singh
CS610	Bioinformatics	3	0	0	3	OE	S. Satapathy
Core Courses (for 3 rd Semester Integrated M.Sc. students)							
CS535	Introduction to Scientific Computing	2	0	1	3	Core	RCB


Controller of Examinations
 Tezpur University
 Tezpur, Assam

MOOCs Courses

Course Id	NPTEL Course Id	Course Name & Instructor(s)	Duration (in Week)	Total Credit
CS650	noc21-cs85	Introduction to Machine Learning – IIT KGP,	8	2