TEACHING PLAN
DEPARTMENT OF COMPUTER SCIENCE
POST GRADUATE DIPLOMA IN COMPUTER APPLICATION
SBMS COLLEGE, SUALKUCHI
Session: 2020-2021

Department:	Computer Science	Semester	I
Course:	Core	Paper No:	PGDCAP1
Credit:	6	Marks:	100

Paper:1

Paper Name: ICT Hardware

Unit	Course Content	Allotted to	Hours	Month	Date
I	Evolution of computer system,	Simanta Sarma	7 Hrs	August to November – Blended mode	3 August -26 November
II	Hard Disk Drive:	Simanta Sarma	10 Hrs	August to November – Blended mode	3 August -26 November
III	Optical Media,	Dipranjan Baishnab	10 Hrs	August to November – Blended mode	3 August -26 November
IV	Processor:	Amitabh Sarma	12 6Hrs	August to November – Blended mode	3 August -26 November
V	Practical	Amitabh Sarma	10 Hrs	August to November – Blended mode	3 August -26 November

Session: 2020-2021

Department:	Computer Science	Semester	I
Course:	Core	Paper No:	PGDCAP2
Credit:	6	Marks:	100

Paper:1I					
Paper Name: Introduction to C programming					
Unit	Course Content	Allotted to	Hours	Months	Date
I	Introduction to C	Amitabh Sarma	7 Hrs	August to November – Blended mode	3 August -26 November
II	Arrays and pointers	Simanta Sarma	16 Hrs	August to November – Blended mode	3 August -26 November
III	Structures and Files	Amitabh Sarma	20 Hrs	August to November – Blended mode	3 August -26 November
IV	Practical	Amitabh Sarma	10 Hrs	August to November – Blended mode	3 August -26 November

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Department:	Computer Science	Semester	I	
Course:	Core	Paper No:	PGDCAP3	
Credit:	6	Marks:	100	

Paper:III

Paper Name: Overview of Operating System (DOS, Windows, UNIX / Linux and Shell Programming)

Unit	Course Content	Allotted to	Hours	Month	Month
I	Introduction	Dipranjan Baishnab	7 Hrs	August to November – Blended mode	3 August -26 November
II	Types of operating systems	Simanta Sarma	16 Hrs	August to November – Blended mode	3 August -26 November
III	Operating System Organization	Amitabh Sarma	20 Hrs	August to November – Blended mode	3 August -26 November
IV	Process Management	Dipranjan Baishnab	10 hrs	August to November – Blended mode	3 August -26 November
V	Practical	Amitabh Sarma	10 Hrs	August to November – Blended mode	3 August -26 November

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Department:	Computer Science	Semester		I	
Course:	Core	Paper No:		PGDCAP4	
Credit:	6	Marks:		100	

Paper:IV

Paper Name: OFFICE AUTOMATION

Unit	Course Content	Allotted to	Hours	Month	Month
I	Word Processing	Dipranjan Baishnab	7 Hrs	August to November – Blended mode	3 August -26 November
II	Spreadsheet	Simanta Sarma	16 Hrs	August to November – Blended mode	3 August -26 November
III	Presentation Tools	Amitabh Sarma	20 Hrs	August to November – Blended mode	3 August -26 November
IV	DTP Software	Dipranjan Baishnab	10 hrs	August to November – Blended mode	3 August -26 November
V	Practical	Amitabh Sarma	10 Hrs	August to November – Blended mode	3 August -26 November

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Department:	Computer Science	Semester	I
Course:	Core	Paper No:	PGDCAP5
Credit:	6	Marks:	100

Paper:V	Paper Name: Introduction to Database Management System				
Unit	Course Content	Allotted to	Hours	Months	Date
I	Introduction to Database Management Systems	Simanta Sarma	16Hrs	August to November – Blended mode	3 August -26 November
II	Entity Relationship and Enhanced ER Modeling	Simanta Sarma	12 Hrs	August to November – Blended mode	3 August -26 November
III	Relational Data Model	Amitabh Sarma	07 Hrs	August to November – Blended mode	3 August -26 November
IV	Database Design	Dipranjan Baishnab	16Hrs	August to November – Blended mode	3 August -26 November
V	Practical	Amitabh Sarma	10 Hrs	August to November – Blended mode	3 August -26 November

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Department:	Computer Science	Semester	II
Course:	Core	Paper No:	PGDCAP6
Credit:	6	Marks:	100

Paper:1 Paper Name: Data Structure and Algorithms					
Unit	Course Content	Allotted to	Hours	Month	Date
I	**Definition, Linked Structure**	Simanta Sarma	07Hrs	January-May – Blended mode	17 January-30 May
II	Linked Structure	Amitabh Sarma	10 Hrs	January-May – Blended mode	17 January-30 May
III	Stacks and Queues Binary Trees	Amitabh Sarma	12 Hrs	January-May – Blended mode	17 January-30 May
IV	Searching Sorting	Amitabh Sarma	16Hrs	January-May – Blended mode	17 January-30 May
V	Practical	Amitabh Sarma	10 Hrs	January-May – Blended mode	17 January-30 May

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Department:	Computer Science	Semester	II
Course:	core	Paper No:	PGDCAP7
Credit:	6	Marks:	100

Paper:1I Paper Name: Web Technology					
Unit	Course Content	Allotted to	Hours	Months	Date
I	Web page design	Simanta Sarma	10 Hrs	January-May – Blended mode	17 January-30 May
II	Creating interactive and dynamic web pages with JavaScript	Dipranjan Baishnab	10 Hrs	January-May – Blended mode	17 January-30 May
III	Extensible Markup Language (XML)	Dipranjan Baishnab	10 Hrs	January-May – Blended mode	17 January-30 May
IV	Web Browsers Client/Server Computing	Dipranjan Baishnab	10 Hrs	January-May – Blended mode	17 January-30 May
V	Practical	Dipranjan Baishnab	10 Hrs	January-May – Blended mode	17 January-30 May

Department:	Computer Science	Semester	II
Course:	Core	Paper No:	PGDCAEL3
Credit:	6	Marks:	100

Paper :III	Paper Name: Computer Graphics				
Unit	Course Content	Allotted to	Hours	Month	Date
I	Introduction	Amitabh Sarma	14 Hrs	January-May – Blended mode	17 January-30 May
II	Input devices	Amitabh Sarma	07 Hrs	January-May – Blended mode	17 January-30 May
III	Line Driving Algorithms	Amitabh Sarma	07 Hrs	January-May – Blended mode	17 January-30 May
IV	Introduction to Multimedia	Dipranjan Baishnab	14Hrs	January-May – Blended mode	17 January-30 May
V	Practical	Amitabh Sarma	10 Hrs	January-May – Blended mode	17 January-30 May

Simanta Sarma

HOD

Department of Computer Science