

**TEACHING PLAN**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**POST GRADUATE DIPLOMA IN COMPUTER APPLICATION**  
**SBMS COLLEGE, SUALKUCHI**  
**Session: 2022-2023**

<b>Department:</b>	Computer Science	<b>Semester</b>	I
<b>Course:</b>	Core	<b>Paper No:</b>	PGDCAP1
<b>Credit:</b>	6	<b>Marks:</b>	100

<b>Paper:1</b>					
<b>Paper Name: ICT Hardware</b>					
<b>Unit</b>	<b>Course Content</b>	<b>Allotted to</b>	<b>Hours</b>	<b>Month</b>	<b>Date</b>
I	Evolution of computer system,	Simanta Sarma	7 Hrs	August-November	1 August- 20 November
II	Hard Disk Drive:	Simanta Sarma	10 Hrs	August-November	1 August- 20 November
III	Optical Media,	Dipranjan Baishnab	10 Hrs	August-November	1 August- 20 November
IV	Processor:	Amitabh Sarma	12 6Hrs	August-November	1 August- 20 November
V	Practical	Amitabh Sarma	10 Hrs	August-November	1 August- 20 November

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<b>Course:</b>	<b>Core</b>	<b>Paper No:</b>	<b>PGDCAP2</b>
<b>Credit:</b>	<b>6</b>	<b>Marks:</b>	<b>100</b>

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

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<b>Course:</b>	<b>Core</b>	<b>Paper No:</b>	<b>PGDCAP3</b>		
<b>Credit:</b>	<b>6</b>	<b>Marks:</b>	<b>100</b>		
<b>Paper:III</b>					
<b>Paper Name: Overview of Operating System (DOS, Windows, UNIX / Linux and Shell Programming)</b>					
<b>Unit</b>	<b>Course Content</b>	<b>Allotted to</b>	<b>Hours</b>	<b>Month</b>	<b>Month</b>
I	Introduction	Dipranjan Baishnab	7 Hrs	August- November	1 August- 20 November
II	Types of operating systems	Simanta Sarma	16 Hrs	August- November	1 August- 20 November
III	Operating System Organization	Amitabh Sarma	20 Hrs	August- November	1 August- 20 November
IV	Process Management	Dipranjan Baishnab	10 hrs	August- November	1 August- 20 November
V	Practical	Amitabh Sarma	10 Hrs	August- November	1 August- 20 November

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<b>Course:</b>	<b>Core</b>	<b>Paper No:</b>	<b>PGDCAP4</b>		
<b>Credit:</b>	<b>6</b>	<b>Marks:</b>	<b>100</b>		
<b>Paper:IV</b>					
<b>Paper Name: OFFICE AUTOMATION</b>					
<b>Unit</b>	<b>Course Content</b>	<b>Allotted to</b>	<b>Hours</b>	<b>Month</b>	<b>Month</b>
I	Word Processing	Dipranjan Baishnab	7 Hrs	August- November	1 August- 20 November
II	Spreadsheet	Simanta Sarma	16 Hrs	August- November	1 August- 20 November
III	Presentation Tools	Amitabh Sarma	20 Hrs	August- November	1 August- 20 November
IV	DTP Software	Dipranjan Baishnab	10 hrs	August- November	1 August- 20 November
V	Practical	Amitabh Sarma	10 Hrs	August- November	1 August- 20 November

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<b>Course:</b>	<b>Core</b>	<b>Paper No:</b>	<b>PGDCAP5</b>
<b>Credit:</b>	<b>6</b>	<b>Marks:</b>	<b>100</b>

<b>Paper:V                      Paper Name: Introduction to Database Management System</b>					
<b>Unit</b>	<b>Course Content</b>	<b>Allotted to</b>	<b>Hours</b>	<b>Months</b>	<b>Date</b>
I	Introduction to Database Management Systems	Simanta Sarma	16Hrs	August- November	1 August- 20 November
II	Entity Relationship and Enhanced ER Modeling	Simanta Sarma	12 Hrs	August- November	1 August- 20 November
III	Relational Data Model	Amitabh Sarma	07 Hrs	August- November	1 August- 20 November
IV	Database Design	Dipranjan Baishnab	16Hrs	August- November	1 August- 20 November
V	Practical	Amitabh Sarma	10 Hrs	August- November	1 August- 20 November

**Session: 2022-2023**

<b>Department:</b>	<b>Computer Science</b>	<b>Semester</b>	<b>II</b>
<b>Course:</b>	<b>Core</b>	<b>Paper No:</b>	<b>PGDCAP6</b>
<b>Credit:</b>	<b>6</b>	<b>Marks:</b>	<b>100</b>

<b>Paper:1</b>					
<b>Paper Name: Data Structure and Algorithms</b>					
<b>Unit</b>	<b>Course Content</b>	<b>Allotted to</b>	<b>Hours</b>	<b>Month</b>	<b>Date</b>
I	<b>Definition, Linked Structure</b>	Simanta Sarma	07Hrs	January-May	17 January-20 May
II	Linked Structure	Amitabh Sarma	10 Hrs	January-May	17 January-20 May
III	Stacks and Queues Binary Trees	Amitabh Sarma	12 Hrs	January-May	17 January-20 May
IV	Searching Sorting	Amitabh Sarma	16Hrs	January-May	17 January-20 May
V	Practical	Amitabh Sarma	10 Hrs	January-May	17 January-20 May

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<b>Course:</b>	<b>core</b>	<b>Paper No:</b>	<b>PGDCAP7</b>
<b>Credit:</b>	<b>6</b>	<b>Marks:</b>	<b>100</b>

<b>Paper:II</b>					
<b>Paper Name: Web Technology</b>					
<b>Unit</b>	<b>Course Content</b>	<b>Allotted to</b>	<b>Hours</b>	<b>Months</b>	<b>Date</b>
I	Web page design	Simanta Sarma	10 Hrs	January-May	17 January-20 May
II	Creating interactive and dynamic web pages with JavaScript	Dipranjan Baishnab	10 Hrs	January-May	17 January-20 May
III	Extensible Markup Language (XML)	Dipranjan Baishnab	10 Hrs	January-May	17 January-20 May
IV	Web Browsers Client/Server Computing	Dipranjan Baishnab	10 Hrs	January-May	17 January-20 May
V	Practical	Dipranjan Baishnab	10 Hrs	January-May	17 January-20 May

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<b>Course:</b>	<b>Core</b>	<b>Paper No:</b>	<b>PGDCAEL3</b>
<b>Credit:</b>	<b>6</b>	<b>Marks:</b>	<b>100</b>

<b>Paper :III                      Paper Name: Computer Graphics</b>					
<b>Unit</b>	<b>Course Content</b>	<b>Allotted to</b>	<b>Hours</b>	<b>Month</b>	<b>Date</b>
I	Introduction	Amitabh Sarma	14 Hrs	January- May	17 January- 20 May
II	Input devices	Amitabh Sarma	07 Hrs	January- May	17 January- 20 May
III	Line Driving Algorithms	Amitabh Sarma	07 Hrs	January- May	17 January- 20 May
IV	Introduction to Multimedia	Dipranjan Baishnab	14Hrs	January- May	17 January- 20 May
V	Practical	Amitabh Sarma	10 Hrs	January- May	17 January- 20 May

Simanta Sarma

**HOD**

**Department of Computer Science**