



Programme Outcome, Programme Specific Outcome & Course Outcome

**DEPARTMENT OF COMPUTER SCIENCE,
GOALPARA COLLEGE, GOALPARA, ASSAM**

B.SC IN COMPUTER SCIENCE – PROGRAMME OUTCOME
DEPARTMENT OF COMPUTER SCIENCE GOALPARA COLLEGE,
GOALPARA, ASSAM.

PROGRAM OUTCOME:

- Developed ability to analyze a problem, Identify and define the computing requirements, which may be appropriate to its solution.
- To prepare students to undertake career involving problem solving using computerscience and technologies.
- Develop ability to pursue advanced studies and research in computer science.
- To produce entrepreneur who can innovate and develop software product.

**B.SC IN COMPUTER SCIENCE-
COURSE OUTCOME DEPARTMENT OF
COMPUTER SCIENCE
GOALPARA COLLEGE, GOALPARA, ASSAM.**

SEMESTER	PAPER CODE	COURSE NAME	COURSE OUTCOME	UNIT	BLOOM'S TAXONOMY LEVEL
I	CSC-RC/HG-1016	PROBLEM SOLVING USING COMPUTER	<ul style="list-style-type: none"> ➤ Ability to analyze a problem and devise an algorithm to solve it. ➤ Able to formulate algorithms, pseudo codes and flowcharts for arithmetical and logical problems ➤ Develop programs. 	<ol style="list-style-type: none"> 1. Computer fundamentals. 2. Planning the computer program. 3. Techniques of problem solving. 4. Introduction to Python. 5. Creating python programs. 	Remember, Apply, Evaluate, Analyze, Understand.

<p style="text-align: center;">II</p>	<p style="text-align: center;">CSC- HG/RC- 2016</p>	<p style="text-align: center;">DATABASE MANAGEMENT SYSTEM</p>	<ul style="list-style-type: none"> ➤ Understand fundamental concepts of database. ➤ Understand user requirements and frame it in data model. ➤ Ability in creation, manipulation and querying of data in databases. ➤ Ability to design E-R Model for given requirements and convert the same into databasetables. 	<ol style="list-style-type: none"> 1. Introduction to DBMS 2. ER models 3. Relational data model. 4. Database Design. 	<p style="text-align: center;">Remember, Apply, Evaluate, Understand.</p>
<p style="text-align: center;">III</p>	<p style="text-align: center;">CSC- HG/RC- 3016</p>	<p style="text-align: center;">OPERATING SYSTEM</p>	<ul style="list-style-type: none"> ➤ Understand the role of Operating system as system software. ➤ Able to understand the memory management, CPU scheduling, file handling and I/O operations. ➤ To understand role of process synchronization towards increasing throughput of system. 	<ol style="list-style-type: none"> 1. Types of Operating system. 2. Operating system Organization. 3. Process Management. 4. Memory Management. 	<p style="text-align: center;">Remember, Evaluate, Analyze, Understand.</p>

<p style="text-align: center;">IV</p>	<p style="text-align: center;">CSC- HG/RC- 4016</p>	<p style="text-align: center;">COMPUTER SYSTEM ARCHITECTURE</p>	<ul style="list-style-type: none"> ➤ To study the basics of 8085 microcontroller, programming. ➤ Able to design GATE'S, combinational and sequential circuits. 	<p>1. Introduction</p> <p>2. Data representation and basic computer arithmetic.</p> <p>3. Basic computer organization and design.</p> <p>4. CPU, I/O organization.</p>	<p>Remember, Apply, Evaluate, Analyze, Understand.</p>
--	--	--	--	--	--

<p style="text-align: center;">V</p>	<p style="text-align: center;">CSC- RD- 5016</p>	<p style="text-align: center;">PROJECT WORK/DISSEMINATION</p>	<ul style="list-style-type: none"> ➤ Able to design a basic web site using HTML and CSS3 to demonstrate responsive webdesign. ➤ Learn how to use AJAX programming technique to develop RIA. ➤ Able to develop simple web application using server side PHP programming and Database connectivity using My SQL. 		<p>Apply, Evaluate, Analyze, Understand, create</p>
---	---	--	---	--	---

VI	CSC- RD- 6016	PROGRAMMING IN JAVA	<ul style="list-style-type: none"> ➤ Understand to implement Object Oriented Programming concepts. ➤ Understand how to design Graphical User Interface in Java programs. ➤ Understand how to design and develop applets. ➤ Able to design user interface using Swing and AWT. 	<ol style="list-style-type: none"> 1. Introduction to java. 2. OOP concept. 3. JAVA programming fundamental. 4. Applet programming. 	Remember, Analyze, Apply, understand, Create
----	---------------------	------------------------	---	---	--

Rajib Sarma

HOD, Computer Science,
Goalpara College, Goalpara.

		Non Parametric Methods	Sign test, Wilcoxon- mean Whitney test, Kruskalwallis test, and their practical application.	2. Multivariate Normal Distributions 3. Non Parametric Tests	Understand
--	--	------------------------	--	---	------------

Aparna Choudhury
HOD, Statistics
Goalpara College, Goalpara.