

**PROGRAM OUTCOME**

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**COURSE OUTCOME**

**(ARTS)**

**DEPARTMENT OF COMPUTER SCIENCE**

**RADHA GOVINDA BARUAH COLLEGE**

# Department of Computer Science - Course Outcome Details (NEP 2020)

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Program Name: Computer Application (Non-Major)

B.A. 1<sup>st</sup> Semester Minor

Course Name: Fundamentals of Computer and Programming

Course code: COA010404

Course Level: 100-199

Theory Credit: 3, Practical Credit: 1

Learning Outcome:

1. Student will able to learn about basics of computer system, which includes both the concept of computer hardware and software.
2. Student will able to learn about what is programming language, how to design an algorithm to solve a particular problem.
3. Student will able to learn about C programming language.

B.A. 2<sup>nd</sup> Semester Minor

Course Name: Database Management System

Course code: COA020404

Course Level: 100-199

Theory Credit: 3, Practical Credit: 1

Learning Outcome:

1. Learn database concepts and its architectural components.
2. Describe different data models used for designing a database.
3. To create a database using relational models and entity relationships concepts.
4. Normalize a database into various normal forms.
5. Design SQL queries to handle a relational database.

B.A. 3<sup>rd</sup> Semester Minor

Course Name: Basic of Operating System and Networking

Course code: COA030404

Course Level: 100-199

Theory Credit: 3, Practical Credit: 1

Learning Outcome:

1. To give students the role of operating system in computer.
2. To provide students the concept of process management.
3. To familiarize students with the concept of Networking.
4. To provide the practical concept of OS and Networking.

B.A. 4<sup>th</sup> Semester Minor

Course Name: Internet and Web Technologies

Course code: COA040504

Course Level: 100-199

Theory Credit: 3, Practical Credit: 1

Learning Outcome:

At the end of the course, students will be able to

1. Understand the concept of Internet and the World Wide Web.
2. Understand the basic concept of web applications and web services.
3. Design basic well-structured web page using HTML and CSS.

B.A. 5<sup>th</sup> Semester Minor

Course Name: Python Programming

Course code: COA050504

Course Level: 100-199

Theory Credit: 3, Practical Credit: 1

Learning Outcome:

At the end of the course, students will be able to

1. Understand the basic problem-solving techniques using Python which helps in research and commercial application development.
2. After completing this course, students will know about fundamentals of Python Programming and Problem Solving.

B.A. 6<sup>th</sup> Semester Minor

Course Name: Software Engineering

Course code: COA061104

Course Level: 100-199

Theory Credit: 4

Learning Outcome:

On successful completion of this course, the student should be able to:

1. Determine the primary problems that impact all software development processes.
2. Choose relevant software development processes models, methodologies, and strategies for managing a specific software development process, and justify the choices
3. Implement different software estimation metrics such as cost, effort size, staffing etc.
4. Describe various software design approaches and various coding, and testing strategies used in software engineering principles.