(Accredited with 'A+' Grade by NAAC) CENTRE FOR DISTANCE AND ONLINE EDUCATION

Annamalainagar – 608 002

Semester Pattern: 2025-26

Instructions to submit First Semester Assignments

- 1. Following the introduction of semester pattern, it becomes mandatory for candidates to submit assignment for each course.
- 2. Assignment topics for each course will be displayed in the A.U, CDOE website (www.audde.in).
- 3. Each assignment contains 5 questions and the candidate should answer all the 5 questions. Candidates should submit assignments for each course separately. (5 Questions x 5 Marks = 25 marks).
- 4. Answer for each assignment question should not exceed 4 pages. Use only A4 sheets and write on one side only. **Write your Enrollment number on the top right corner** of all the pages.
- 5. Add a template / content page and provide details regarding your Name, Enrollment number, Programme name, Code and Assignment topic. Assignments without template/ content page will not be accepted.
- 6. Assignments should be handwritten only. Typed or printed or photocopied assignments will not be accepted.
- 7. **Send all First semester assignments in one envelope**. Send your assignments by Registered Post to The Director, Centre for Distance and Online Education, Annamalai University, Annamalai Nagar 608002.
- 8. Write in bold letters, "ASSIGNMENTS FIRST SEMESTER" along with PROGRAMME NAME on the top of the envelope.
- 9. Assignments received after the **last date with late fee** will not be evaluated.

Date to Remember

Last date to submit First semester assignments : 01.11.2025 Last date with late fee of Rs.300 (three hundred only) : 15.11.2025

DIRECTOR CDOE

CENTRE FOR DISTANCE AND ONLINE EDUCATION S155 - M.Sc. COMPUTER SCIENCE FIRST YEAR - I SEMESTER (2025-2026) ASSIGNMENT QUESTION

155E1110: DESIGN AND ANALYSIS OF ALGORITHMS

- 1. Explain in detail about Queue.
- 2. Find the time complicity of all the sorting algorithm.
- 3 Explain various Greedy Methods with suitable example.
- 4. Explain various Dynamic Programming with suitable example.
- 5. Explain the principle of FIFO branch and bound.

155E1120: ADVANCED OF WEB TECHNOLOGY

- 1. Explain the DOT NET Framework Learning the .Net Languages.
- 2. Discuss the role of web control classes in ASP.NET.
- 3. Discuss in Database Binding and their types.
- 4. Describe details about the SOAP with the .NET Framework.
- 5. Explain the integration of COM components in ASP.NET applications.

155E1130: COMPILER DESIGN

- 1. Describe the role of lexical analyzer in compiler design.
- 2. What is a Parse Tree? Give the characteristics of the Parse Tree.
- 3. Explain the use of stack in sorting attributes.
- 4. Explain the different storage allocation strategies.
- 5. Explain the code generation algorithm.

155E1140: ADVANCED JAVA PROGRAMMING

- 1. Explain the Map Interface and its classes with example.
- 2. Develop a Java program to demonstrate the File chooser class in Java.
- 3. Write a servlet program to display the hit count using cookies.
- 4. Advantages of over Applets.
- 5. Explain about Inner Class Diamond Operator in Java.

(ELECTIVE - I)

155E1170: SOFT SKILLS

- 1. Discuss the Important of soft skills.
- 2. Distinguish verbal and non verbal communication.
- 3. Show the features of an affective business letter.
- 4. Write on the benefits of leadership training.
- 5. Explain in detail about SWOT analysis.