A N N A M A L A I U N I V E R S I T Y

(Accredited with 'A+' Grade by NAAC)
CENTRE FOR DISTANCE AND ONLINE EDUCATION
Annamalainagar – 608 002.

Semester Pattern: 2023-24

[January Session]

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 : **15.04.2024**

Last date with late fee of Rs.300 (three hundred only) : **30.04.2024**

Dr. T. SRINIVASAN

Director

S155-M.Sc. Computer Science

I YEAR – I SEMESTER (JANUARY SESSION)

ASSIGNMENT TOPIC

Course code:155E1110 - Course Title: 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.

Course code:155E1120, Course Title: Advanced of Web Technology

1.Explain the .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.

Course code:155E1130, Course Title: 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.

Course code:155E1140, Course Title: 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.

Course code:155E1170, Course Title: 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.