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: 2025-26

Instructions to submit Third 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 Third 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 – THIRD 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 Third 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
SECOND YEAR – III SEMESTER (2025 – 2026)
ASSIGNMENT QUESTION

155E2310: DIGITAL IMAGE PROCESSING

1. Explain the Various steps in digital image processing.

2. Discuss the basic grey-level transformation.

3. Explain the edge detection through boundary detection.

4. What are the different compression methods?

5. Explain the Operators used for point, line and edges in an image?

155E2320: INTERNET OF THINGS

1. Discuss about various communication models in Iota.

2. Discuss in detail about Wireless Sensor Networks.

3. Describe the Communication middleware fro Iota.

4. Explain the various cloud providers.

5. Give a detailed about embedded computing basics.

155E2330: MACHINE LEARNING

1. Mention the disadvantages of Find-S algorithm.

2. Write the algorithm for Back Propagation.

3. List out the applications using probabilistic learning.

4. Solve a problem using CBR.

5. Discuss Q-Learning steps.

(ELECTIVE – III)

155E2360 (1): ADVANCED COMPUTER NETWORKS (OR)

1. Discuss in detail about OSI reference model.
2. Exemplify Time Division Multiplexing and its types
3. Discuss the Common Data Link Protocols.
4. Give detailed account on ARP and ICMP.
5. Exemplify the various levels in network security.

155E2360 (2): MOBILE COMPUTING.

1. Explain briefly about mobile AXML applications.
2. Explain the Android activity Life cycle?
3. Discuss the techniques for composing applications.
4. Explain thelocation based services?
5. Discuss in detailed about Various GSM services.

(ELECTIVE – IV)

155E2370 (1): WIRELESS NETWORKS (OR)

1. Discuss in detailed. About IEEE 806.11 Architectures.
2. What are the various functions of networks layer? Explain.
3. Explain traditional TCP and Its various mechanisms.
4. Eelucidate UTMS terrestrial radio access network.
5. Explain the four cases of smart Antenna Techniques

155E2370 (2): WAP AND XML

1. Explain in detail about WAP architecture.
2. Distinguish Web Model and WAP Model.
3. Elucidate the WML Scripts Standard Libraries.
4. Discuss in detail about various applications.
5. Briefly explain about the legacy character sets.