

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC - AUTONOMOUS)

Seven Day Training Programme on Programming & Problem Solving and Data Structure with E-Box Portal Organized by the Department of CSE - MITS 20-27 July 2017



Report Submitted by: Dr Veningston K, Assoc Professor, Dept of Computer Science & Engineering, MITS

The Training Programme was inaugurated in the presence of **Mr Saravana Babu**, Senior Placement Officer & **Dr Sakthi Ganesh M**, Head of the Department of CSE, three trainers from **Amphisoft Technologies Pvt. Ltd.**, internal faculty members, and selected IV B.Tech students from CSE, ECE & EEE on 20th July 2017 at 9:30 am.

Then the sessions proceeded as per the below given schedule with strict compliance on attendance for student participants. Totally **154 participants** attended the training programme – **42 from CSE, 89 from ECE, and 23 from EEE.**

Day	9:20 am to 11:20 am	11:20 am to 12:20 pm	1:00 pm to 6:00 pm
20th July 2017 (Thursday)	Review on Data types / Conditional Constructs / Looping Constructs / Operators	Quiz + Code Analysis + Conceptual Problems on Data types / Conditional Constructs / Looping Constructs	Programming practice on Data types/Conditional constructs/Looping constructs
21st July 2017 (Friday)	Concepts on Pointers / 1-D Array / Functions	Quiz + Code Analysis + Conceptual Problems on Concepts on Pointers / 1-D Array / Functions	Programming practice on Concepts on Pointers / 1-D Array / Functions
22nd July 2017 (Saturday)	2-D Arrays / Strings	Quiz + Code Analysis + Conceptual Problems on 2-D Arrays / Strings	Programming practice on 2-D Arrays
23rd July 2017 (Sunday)	Structures & Recursion / More problems / Application problems using Recursion	Quiz + Code Analysis + Conceptual Problems on Structures and Recursion	Programming practice on Structures and Recursion
25th July 2017 (Tuesday)	Linked List / Stack & Queue	Quiz + Conceptual Problems on Linked List / Stack & Queue	Programming practice on Linked List / Stack & Queue
26th July 2017 (Wednesday)	Complete Binary Tree / Binary Search Tree / Tree Traversals	Quiz +Conceptual Problems on Complete Binary Tree / Binary Search Tree / Tree Traversals	Programming practice on Complete Binary Tree / Binary Search Tree / Tree Traversals
27th July 2017 (Thursday)	Graph – Representation / Traversal	Quiz + Conceptual Problems on Graph – Representation / Traversal	Programming practice on Graph – Representation / Traversal

Trainers from Amphisoft Technologies Pvt. Ltd.:

Each day of the programme was divided into three inter-dependent sessions for 2 slots. The **1st slot** for 77 students from ECE was handled by **Mr Krishnanand & Mr Srihari**. The **2nd slot** comprised 42, 22, 23 students from CSE, ECE, & EEE respectively and it was handled by **Mr Karthikeyan J**. Most of the sessions were devoted to **hands-on practices with code analysis and programming** which sought proactive learning of the participants in **C Programming**. This enabled the students to have exposure in Problem solving, data structures & programming in C through the effective knowledge transfer with **performance assessment** which was the major goal of the conduct of this training programme.

Training Summary:

Students participated actively and they have given a very good feedback about the trainers and the E-Box online portal that they used for practicing programming assignments.