

**DEPARTMENT OF COMPUTER APPLICATIONS**  
**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**

COURSE PLAN – PART I			
Name of the programme and specialization	MSc. Computer Science		
Course Title	DATA STRUCTURES LAB		
Course Code	CAS751	No. of Credits	2
Course Code of Pre-requisite subject(s)			
Session	July 2019	Section (if, applicable)	
Name of Faculty	Dr. Cynthia Devi	Department	Computer Applications
Email		Telephone No.	97919 57080
Name of Course Coordinator(s) (if, applicable)	Dr. Michael Arock		
E-mail		Telephone No.	
Course Type	Core course		
COURSE OBJECTIVES			
To learn the various network architectures and protocols designed and to learn the functions of different layers in line and various subnetting techniques			
COURSE OUTCOMES (CO)			
Course Outcomes			Aligned Programme Outcomes (PO)
1. Write C programs for solving any problem			1,2,3
2. Implement linear and non-linear data structures to solve real time problems.			2,3,4,5
3. Perform searching and sorting techniques to different application domains.			
4. Implement different design strategies to solve complex problems.			
COURSE PLAN – PART II			
COURSE OVERVIEW			
This course makes students to install and configure networks and build the networks according to the requirement and implement the network principles using Simulation software Packet Tracer			

### **ACADEMIC DISHONESTY & PLAGIARISM**

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.

The above policy against academic dishonesty shall be applicable for all the programmes.

### **ADDITIONAL INFORMATION**

**The students can get their doubts clarified at any time with their faculty member with prior appointment**

*S.R.*  
Course Faculty

*Chinnaiyappa*  
CC- Chairperson

*S.R. Balasubramanian*  
HOD