

DEPARTMENT OF COMPUTER APPLICATIONS
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN – PART I			
Name of the programme and specialization	MSc. Computer Science		
Course Title	OPERATING SYSTEMS LAB		
Course Code	CAS753	No. of Credits	2
Course Code of Pre-requisite subject(s)			
Session	July 2019	Section (if, applicable)	
Name of Faculty	Dr. S. Domnic	Department	Computer Applications
Email	domnic@nitt.edu	Telephone No.	
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. Work on the concepts, design and structure of the UNIX operating system			1
2. Use Basic UNIX utilities			2,3,4
3. Work on UNIX Shell programming			5
COURSE PLAN – PART II			
COURSE OVERVIEW			
This course encourages students to learn basic features of the UNIX programming environment and to solve complex problems using shell programming.			
COURSE TEACHING AND LEARNING ACTIVITIES			

S.No.	Week / Contact Hours	Lab Exercises
1	Week 1 & 2	Explore the all UNIX commands
2	Week 3	Implementation copy command in C using the UNIX system calls.
3	Week 4	Implementation cat command in C using the UNIX system calls.
4	Week 5	Implementation grep command in C using the UNIX system calls.
5	Week 6	Write a Shell program to sort n numbers.
6	Week 7	
7	Week 8	

COURSE ASSESSMENT METHODS

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Lab Exercises Demo & Report	Every Week		25
2	Project	10 th week		25
3	Model Test	8 th Week	120 Minutes	25
CPA	Compensation Assessment	10 th week	120 Minutes	25
4	Final Assessment	-	180 Minutes	25

COURSE EXIT SURVEY

- The students through the class representative may give their feedback at any time to the course coordinator which will be duly addressed.
- The students may give their feedback during class committee meetings.

COURSE POLICY

MODE OF CORRESPONDENCE

Email: domnic@nitt.edu

COMPENSATION ASSESSMENT POLICY

Compensation assessment will be conducted for absentees in model test only after the submission of medical or On-Duty certificates signed by competent authority.

ATTENDANCE POLICY

- At least 75% attendance in each course is mandatory.
- A maximum of 10% shall be allowed under On Duty (OD) category.
- Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.

ACADEMIC DISHONESTY & PLAGIARISM

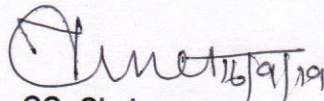
- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental 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

⁵⁰²
Course Faculty


CC- Chairperson


HOD