

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**

COURSE PLAN – PART I			
Course Title	COMPREHENSIVE VIVA-VOCE		
Course Code	CSIR18	No. of Credits	03
Course Code of Pre-requisite subject(s)	_____	Semester	VII
Session	JULY 2018	Section (if, applicable)	A and B
Name of Faculty	Dr. A. Santhanavijayan	Department	CSE
Email	vijayana@nitt.edu	Telephone No.	0431 - 2503217
Name of Course Coordinator(s) (if, applicable)	_____		
E-mail	_____	Telephone No.	_____
Course Type	<input checked="" type="checkbox"/> Core course <input type="checkbox"/> Elective course		
<b>Syllabus ( approved in BoS : 2015 )</b>			
Data Structures, Algorithms, Operating Systems, Database Management Systems, Computer Organization and Architecture, Digital System Design, Computer Networks, Software Engineering, Automata and Formal Languages, Compiler Design			
<b>COURSE OBJECTIVES</b>			
<ul style="list-style-type: none"> <li>• To develop the problem solving skills on the simple and complex data structures as well as on the various programming paradigms along with its complexity</li> <li>• To develop the problem solving skills on the practical side of functioning of various blocks in OS</li> <li>• To explore the DBMS features and to understand the internal storage structure and transaction processing techniques</li> <li>• To understand the machine level computations, pipelining techniques, memory design and working principle of I/O devices</li> <li>• To develop knowledge on the design of digital circuits</li> <li>• To gain comprehensive knowledge on various protocols and cryptography techniques</li> <li>• To gain knowledge on Software Engineering practices and Process Models</li> <li>• To gain knowledge on formal languages and to design grammars and recognizers</li> <li>• To develop problem solving skills on language translation and compiler construction</li> </ul>			

<b>COURSE PLAN – PART II</b>			
<b>COURSE OVERVIEW</b>			
This course mainly focuses on developing problem solving skills on various subjects in the field of Computer Science and Engineering.			
<b>COURSE TEACHING AND LEARNING ACTIVITIES</b>			
<b>S.No.</b>	<b>Week/Contact Hours</b>	<b>Topic</b>	<b>Mode of Delivery</b>
1	1/3	Data Structures and Algorithms	Chalk and Talk
2	2/3	Operating Systems	Chalk and Talk
3	3/3	Database Management Systems	Chalk and Talk
4	4/3	Computer Organization and Architecture	Chalk and Talk
5	5/3	Digital System Design	Chalk and Talk
6	6/3	Tutorial Session	Group Discussion
7	7/3	Computer Networks	Chalk and Talk
8	8/3	Software Engineering	Chalk and Talk
9	9/3	Automata and Formal Languages	Chalk and Talk
10	10/3	Compiler Design	Chalk and Talk

11	11/3	Tutorial Session	Group Discussion
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#### **COURSE ASSESSMENT METHODS**

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Cycle Test I	Aug'18 4 <sup>th</sup> week	1 hour	20
2	Cycle Test II	Sep'18 4 <sup>th</sup> week	1 hour	20
CPA	Compensation Assessment	Oct'18 2 <sup>nd</sup> week	1 hour	20
3	External Viva-Voce Exam	Oct'18 4 <sup>th</sup> week	—	30
4	Final Assessment	Nov'18 1 <sup>st</sup> week	2 hours	30
TOTAL				100

#### **COURSE EXIT SURVEY**

- Feed backs are collected after the end semester exam in the feedback forms.
- Suggestions from the students are incorporated for making the course more sympathetic and motivating.
- Students may give their feedback at any time, through their class representatives to the concerned faculty and also in the class committee meetings.

#### **COURSE POLICY**

##### **MODE OF CORRESPONDENCE (email/ phone etc)**

- Both email and phone

##### **COMPENSATION ASSESSMENT**

Compensation assessment(Retest) will be conducted for absentees in cycle test I or cycle test II only after the submission of medical or On-Duty certificates signed by competent authority. The portions for compensation assessment will be the portions of cycle test I and cycle test II.

##### **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.**

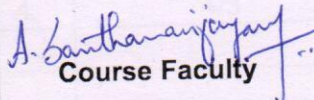
### ACADEMIC DISHONESTY & PLAGIARISM

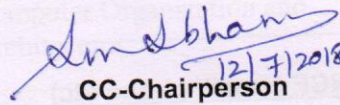
- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental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

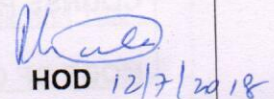
### ADDITIONAL INFORMATION

The students can clarify their doubts at any time during working hours from the faculty with prior appointment.

### FOR APPROVAL

  
Course Faculty

  
CC-Chairperson  
12/7/2018

  
HOD 12/7/2018

(Dr. A. SANTHANA VIJAYAN) (Dr. S. MARY SAIRA BHANU) (Dr. R. LEELA VELUSAMY)