

Approved:

Format for Syllabus Progress Report upto 10/11/2022

	Cloud Computing		
Course Name:	Cloud Computing	Course Code:	PEC-CS701B
Teacher Name:	Sathi Ball	Teacher Employee Code:	1005
Department Name:	IT	Semester:	7th
LTP Structure:	3L-0T-0P		
Total No. of classes Allotted:	36		
Total No. of classes conducted:	30		
% of syllabus covered:	91%		
Module No.	Topics Covered	Methodology Used	No. of Lectures conducted
1	Overview, Defining a Cloud, Cloud Types – NIST model, Cloud Cube model, Cloud Reference model,	Chalk-Duster-Board, Google Classroom	1
	Service models, Deployment models , Characteristics of Cloud Computing, Benefits and advantages of Cloud Computing,		1
	A brief introduction on Composability, Infrastructure, Platforms, Virtual Appliances, Communication Protocols, Applications, Connecting to the Cloud by Clients		1
	IaaS – Basic concept, Workload, partitioning of virtual private server instances, Pods, aggregations, silos		2
	PaaS – Basic concept, tools and development environment with examples		2
	SaaS - Basic concept and characteristics, Open SaaS and SOA, examples of SaaS platform Identity as a Service (IDaaS)		2
	Compliance as a Service (CaS)		2
	Use of Platforms in Cloud Computing - Concepts of Abstract and Concrete Virtualization (access, application, CPU, storage), Mobility patterns (P2V, V2V, V2P, P2P, D2C, C2C, C2D, D2D) Load Balancing and Virtualization: Basic Concepts, Network resources for load balancing		2

2	<p>Advanced load balancing (including Application Delivery Controller and Application Delivery Network), Mention of The Google Cloud as an example of use of load balancing Hypervisors: Virtual machine technology and types, VMware vSphere Machine Imaging (including mention of Open Virtualization Format - OVF)</p> <p>Porting of applications in the Cloud: The simple Cloud API and AppZero Virtual Application appliance, Concepts of Platform as a Service, Definition of services, Distinction between SaaS and Paas (knowledge of Salesforce.com and Force.com), Application development</p> <p>Cloud Infrastructure: Cloud Management: An overview of the features of network management systems and a brief introduction of related products from large cloud vendors, Monitoring of an entire cloud computing deployment stack - an overview with mention of some products,</p>	Chalk-Duster-Board, Google Classroom	2
3	<p>Lifecycle management of cloud services (six stages of lifecycle). Concepts of Cloud Security: Cloud security concerns, Security boundary, Security service boundary Overview of security mapping Security of data: Brokered cloud storage access, Storage location and tenancy, encryption, and auditing and compliance Identity management (awareness of Identity protocol standards)</p> <p>Concepts of Services and Applications : Service Oriented Architecture: Basic concepts of message-based transactions, Protocol stack for an SOA architecture, Event-driven SOA, Enterprise Service Bus, Service catalogs, Applications in the Cloud: Concepts of cloud transactions, functionality mapping,</p>		2
4	<p>Application attributes, Cloud service attributes, System abstraction and Cloud Bursting, Applications and Cloud APIs Cloud-based Storage: Cloud storage definition - Manned and Unmanned Webmail Services: Cloud mail services including Google Gmail, Mail2Web, Windows Live Hotmail, Yahoo mail, concepts of Syndication services.</p>		2
Signature of the Faculty Member	<p><i>Sathi Ball</i> 14.11.22 Ms. Sathi Ball</p>	Signature of HOD	<p><i>Dr. Sirshendu Sekhar Ghosh</i> 14/11/22 Dr. Sirshendu Sekhar Ghosh</p> <p><i>MD Hossain Ahmed</i> <i>Rajmit Kumar</i></p>

Syllabus Progress Report upto 05/11/2022



Course Name:	SOFTWARE ENGINEERING	Course Code:	ESC-501
Teacher Name:	Mr. KRITTIBAS PARAI	Teacher Employee Code:	11007
Department Name:	COMPUTER SCIENCE & ENGINEERING	Semester/Section:	5th/B
LTP Structure:	3L-0T-4P		
Total No. of classes Allotted:	40		
Total No. of classes conducted:	33		
% of syllabus covered:	83		
Module No.	Topics Covered	Methodology Used	No. of Lectures conducted
UNIT - I	Overview of System Analysis & Design	Blackboard, Chalk and Duster	1
	Business System Concept		1
	Different Life Cycle Models		2
	Feasibility Analysis, Technical Feasibility		2
	Cost- Benefit Analysis		2
	COCOMO model		1
	System Design – Context diagram and DFD		2
	Top-Down And Bottom-Up design; Decision tree, decision table and structured English		2
	Coupling, Cohesion		1
	Coding & Documentation – Structured Programming		2
UNIT - II	Validation & Verification	Blackboard, Chalk and Duster	1
	Testing – Levels of Testing, Integration Testing		2
	Black Box, White Box Testing		1
	UML : Basics of Unified Modeling Language		2
UNIT - III	Different views of UML	Blackboard, Chalk and Duster	1
	Use case diagram		1
			2

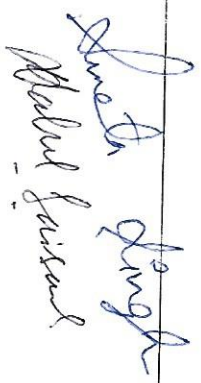
UNIT - IV	Class Diagram	2
	Sequence Diagram	2
	Activity Diagram	1
	Object Diagram	1
	Project Management-Quality control, Quality Assurance	3
Name and Signature of the Faculty Member	KRITTIBA S. PARAI	Signature of the HOD

Mehana2 Yasmin
 Sanjok Mangranti

15/11/22
 Head of the Department
 Computer Science & Engineering
 Siigun Institute of Technology

Syllabus Progress Report up to 09.11.2022

Course Name: ELECTRICAL CIRCUIT THEORY		Course Code: PC-EE-301
Teacher Name: PRALAY ROY		Teacher Employee Code: 9004
Department Name: Electrical Engineering		Semester: 3rd
LTP Structure: 3-1-2		
Total No. of classes Allotted: 40		
Total No. of classes conducted: 27		
% of syllabus covered: 67.5%		
Module No.	Topics Covered	Methodology Used
Introduction of Electrical Circuit Theory:	Introduction of Electrical Circuit Theory: CO related syllabus discussion, introduction of electrical circuit theory and its importance in electrical engineering field and social life application.	Face to Face Using ICT /Chalk-duster mode
6	Network Theorems: Formulation of network equations, Source transformation, Loop variable analysis, Node variable analysis. Network theorem: Superposition, Thevenin's, Norton's & Maximum power transfer theorem. Millman's theorem and its application in three phase unbalanced circuit analysis. Solution of Problems with DC & AC sources.	Face to Face Using ICT /Chalk-duster mode
2	Graph theory and Networks equations: Concept of Tree, Branch, Tree link, Incidence matrix, Tie-set matrix and loop currents, Cut set matrix and node pair potentials, Duality, Solution of Problems	Face to Face Using ICT /Chalk-duster mode
8	Filter Circuits: Analysis and synthesis of Low pass, High pass, Band pass, Band reject. All pass filters (first and second order only) using operational amplifier. Solution of Problems.	Face to Face Using ICT /Chalk-duster mode
7	Two port networks analysis: Open circuit Impedance & Short circuit Admittance parameter, Transmission parameters, Hybrid parameters and their inter relations. Driving point impedance & Admittance. Solution of Problems.	Face to Face Using ICT /Chalk-duster mode
4	Laplace transforms: Impulse, Step & Sinusoidal response of RL, RC, and RLC circuits. Transient analysis of different electrical circuits with and without initial conditions.	Face to Face Using ICT /Chalk-duster mode
Signature of the Faculty Member 		Signature of HOD 
Head of the Department Department of Electrical Engineering Srigiri Institute of Technology		


 Sneha Singh

 Mahesh Kumar