



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF INFORMATION TECHNOLOGY

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TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods/ Week	Academic Year	Date of commencement
20IT6L03	CLOUD COMPUTING LAB	VI	IT	3	2022-23	12-12-2022

COURSE OUTCOMES

1	Configure various virtualization tools such as Virtual Box, VMware workstation (K2)
2	Design and deploy a web application in a PaaS environment (K3)
3	Learn how to simulate a cloud environment to implement new schedulers. (K4)
4	Install and use a generic cloud environment that can be used as a private cloud (K3)
5	Manipulate large data sets in a parallel environment

Experiment Number	Experiment	Contact Hours
1	Install Virtualbox/VMware Workstation with different flavours of linux or windows OS on top of windows.	3
2	Install a C compiler in the virtual machine created using virtual box and execute Simple Programs	3
3	Install Google App Engine. Create hello world app and other simple web applications using python/java	3
4	Use GAE launcher to launch the web applications	3
5	Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.	3
6	Find a procedure to transfer the files from one virtual machine to another virtual machine	3
7	Find a procedure to launch virtual machine using trystack (Online Openstack Demo Version)	3
8	Install Hadoop single node cluster and run simple applications like	3



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Cumulative Proposed Periods	24

	Name	Signature with Date
Faculty	Ms. U Jenny Grace	<i>U. Jenny Grace</i> 3/6/24
Module Coordinator	Mr. Ch R K Raju	<i>Ch R K Raju</i> 3/1/24
Programme Coordinator	Dr. RVVSV Prasad	<i>Dr. RVVSV Prasad</i>

[Signature]
Principal