



# SWARNANDHRA

## COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by  
NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956  
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada  
Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

### DEPARTMENT OF INFORMATION TECHNOLOGY

### TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20IT6L03	Cloud Computing Lab	VI	IT	3 Periods	2024-25	18-11-2024
COURSE OUTCOMES						
1	Summarize to tool kits for grid and cloud environment.					
2	Identify with developing web services/Applications in grid framework					
3	Learn to run virtual machines of different configuration.					
4	Learn to use Hadoop					
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	Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.					3
4	Install Google App Engine. Create hello world app and other simple web applications using python/java.					3
5	Use GAE launcher to launch the web applications .					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 wordcount.			simple applications like		3



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CUMULATIVE PROPOSED PERIODS			24
	Name		Signature with Date
i. Faculty	Ms. U Jenny Grace		U. Jenny 18/11/24
ii. Module Coordinator	Mr. Ch. R.K. Raju		Ch. R.K. Raju 18/11/24
iii. Programme Coordinator	Dr. RVVS Prasad		Dr. RVVS Prasad 18/11/24

A. J. J. J.  
Principal