

SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

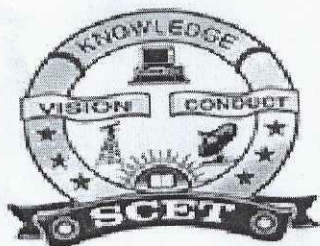
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Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada
Seetharampuram, W.G.DT., 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
23CD6L01	DEEP LEARNING LAB	VI	CSE(DS)	3	2025-26	10-12-2025
COURSE OUTCOMES						
1	Implement deep neural networks to solve real world problems.					
2	Choose appropriate pre-trained model to solve real time problem.					
3	Interpret the results of two different deep learning models.					
Experiment Number	Experiment					Contact Hours
1.	Implement multi-layer perceptron algorithm for MNIST Handwritten Digit Classification.					3
2.	Design a neural network for classifying movie reviews (Binary Classification) usingIMDB dataset.					3
3.	Design a neural Network for classifying news wires (Multi class classification) usingReuters dataset.					3
4.	Design a neural network for predicting house prices using Boston Housing Price dataset.					3
5.	Build a Convolution Neural Network for MNIST Handwritten Digit Classification.					3
6.	Build a Convolution Neural Network for simple image(dogs and Cats) Classification					3
7.	Use a pre-trained convolution neural network (VGG16) for image classification.					3
8.	Implement one hoten coding of words or characters.					3
9.	Implement word embeddings for IMDB dataset.					3
10.	Implement a Recurrent Neural Network for IMDB movie review classification problem.					3
	CUMULATIVE PROPOSED PERIODS					36



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	Name	Signature with Date
i. Faculty	Mr.K.Raja	K. Raja
ii. Module Coordinator	Mr.K.Raja	K. Raja
iii. Programme Coordinator	Dr.RVVSV Prasad	Dr. RVVSV Prasad


Principal