



Swarnandhra College of Engineering & Technology

Autonomous and recognized under 2(F) and 12(B) by

UGC Recognized by AICTE, permanently affiliated to JNTUK Kakinada

Accredited by NAAC with 'A' Grade (2nd Cycle)

Seetharamapuram, Narsapur-530280 (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY

TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods/Week	Academic Year	Date of commencement
23CD6L01	DEEP LEARNING LAB	VI	CSE(DS)	3	2025-26	10-12-2025

COURSE OUTCOMES

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
	Cummulative Proposed Periods	30



Swarnandhra College of Engineering & Technology

Autonomous and recognized under 2(F) and 12(B) by
UGC Recognized by AICTE, permanently affiliated to JNTUK Kakinada
Accredited by NAAC with 'A' Grade (2nd Cycle)

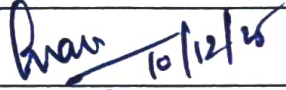
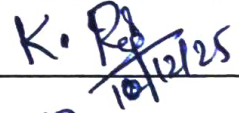
Seetharamapuram, Narsapur-530280 (Andhra Pradesh)

Text Books:

1. Reza Zadeh and Bharath Ram sundar, "Tensorflow for Deep Learning", O'Reilly publishers, 2018.

References:

1. <https://github.com/fchollet/deep-learning-with-python-notebooks>.

		Name	Signature with Date
i	Faculty	Mrs. V. Sivani	 10/12/25
ii	Module Coordinator	Mr. K. Raja	 10/12/25
iii	Programme Coordinator	Dr. RVVS Prasad	 10/12/25


Principal