

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - AI & ML

Lab Lesson Plan & Work done Diary for AY: 2026-27 Odd Semester

Course with Code: DEEP LEARNING – BCA701					Faculty: Dr. Uma Mahesh R N		Semester & Section: VII 'A'	
Practical Component	Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
Experiments	1		Design and implement a neural based network for generating word embedding for words in a document corpus.	PPT + Chalk & Board				
	2		Write a program to demonstrate the working of a deep neural network for classification task.	PPT + Chalk & Board				
	3		Design and implement a Convolutional Neural Network (CNN) for classification of image dataset	PPT + Chalk & Board				
	4		Build and demonstrate an auto encoder network using neural layers for data compression on image Dataset	PPT + Chalk & Board				
	5		Design and implement a deep learning network for classification of textual documents.	PPT + Chalk & Board				
	6		Design and implement a deep learning network for forecasting time series data.	PPT + Chalk & Board				
	7		Write a program to enable pre-train models to classify a given image dataset.	PPT + Chalk & Board				
	8		Write a program to read a dataset of text reviews. Classify the reviews as positive or negative.	PPT + Chalk & Board				