



A.V.C COLLEGE OF ENGINEERING, MANNAMPANDAL, MAYILADUTHURAI

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



Innovations in Teaching Learning

Power Point presentation

Objectives of Presentation

- ✓ To share knowledge and information effectively with the audience.
- ✓ To improve understanding of the topic through clear explanations and visual support.
- ✓ To develop communication, confidence, and presentation skills among students.
- ✓ To encourage active participation, interaction, and discussion.
- ✓ To organize ideas in a clear, structured, and meaningful manner.
- ✓ To create interest and motivation towards learning new concepts.
- ✓ To simplify complex ideas using examples, charts, and illustrations.
- ✓ To enhance learning, retention, and overall academic performance.



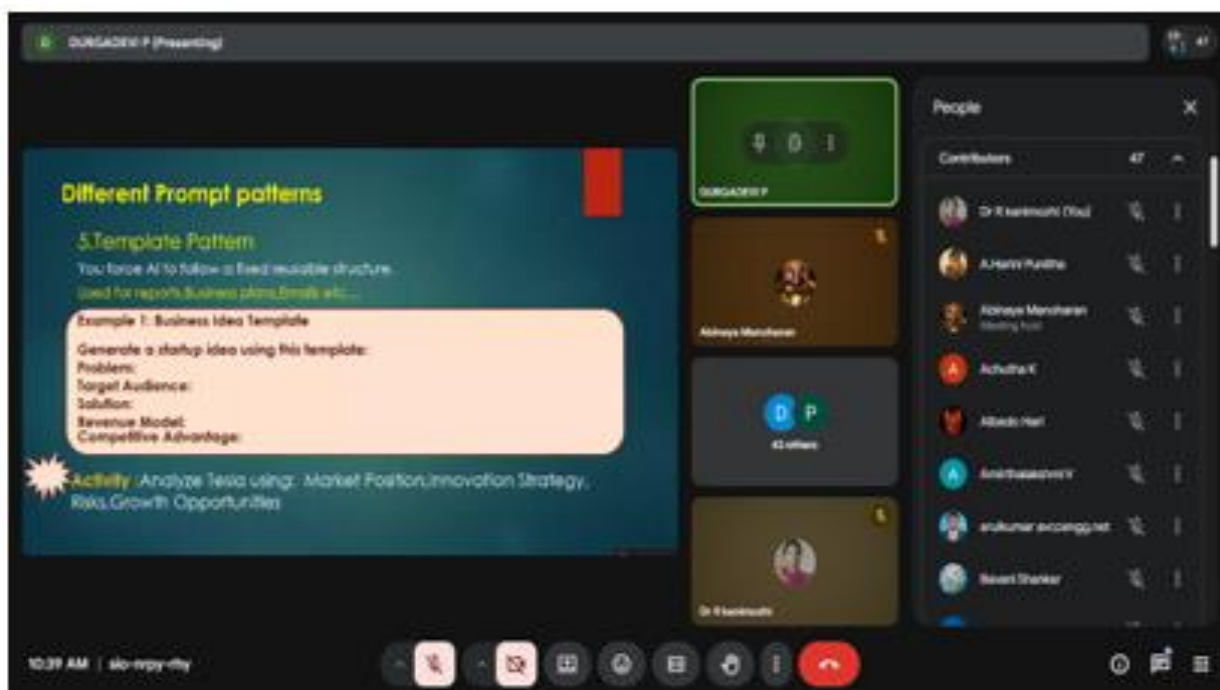


Video Lecture

Objectives of Video Lecture

- ✓ To provide flexible and accessible learning opportunities for students anytime and anywhere.
- ✓ To explain concepts clearly using audio-visual aids and demonstrations.
- ✓ To enhance students' understanding and retention through engaging video content.
- ✓ To support self-paced learning and revision of topics.
- ✓ To simplify complex concepts using animations, examples, and real-time illustrations.
- ✓ To improve student participation and interest in the learning process.

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Content Beyond Syllabus

Objectives Content Beyond Syllabus

- ✓ To expose students to emerging technologies and recent industry developments beyond the prescribed syllabus.
- ✓ To enhance analytical, problem-solving, and innovative thinking skills.
- ✓ To bridge the gap between academic learning and real-world industrial applications.
- ✓ To encourage self-learning, research interest, and continuous professional growth.
- ✓ To improve practical knowledge, technical competency, and interdisciplinary understanding.

Contents Beyond the
Syllabus

Name : Ju. Siraranjani
 Branch : B.Tech - AI & DS (1st year)
 Reg. no : 820324243050
 Subject : Machine Learning
 Subject CODE : AL3451
 Date : 02-04-2026
 Assignment

Gdm
7/4/26

Analysis (5)	Content (5)	Clarity (5)	Writing Style (5)	Total (20)
5	5	5	5	20 20

- Convolutional Neural Network (CNN) in Deep Learning

Register Number: 82033434106001

Department: Artificial Intelligence and Data Science

Institution: AVC College of engineering

Subject: Deep Learning

Submitted By:

Achutha A

Introduction

Convolutional Neural Networks (CNNs) are a specialized type of deep learning model primarily used for processing visual data such as images and videos. CNNs are inspired by the structure of the human visual cortex and are designed to automatically detect important features from images without requiring manual feature extraction.

CNNs have become one of the most important technologies in Artificial Intelligence and Computer Vision. They are widely used in image classification, facial recognition, object detection, medical imaging, autonomous vehicles, and many other real-world applications.

Traditional neural networks struggle with image data because images contain a huge number of pixels and spatial relationships. CNNs solve this problem by using convolution operations that preserve spatial information and significantly reduce the number of parameters.

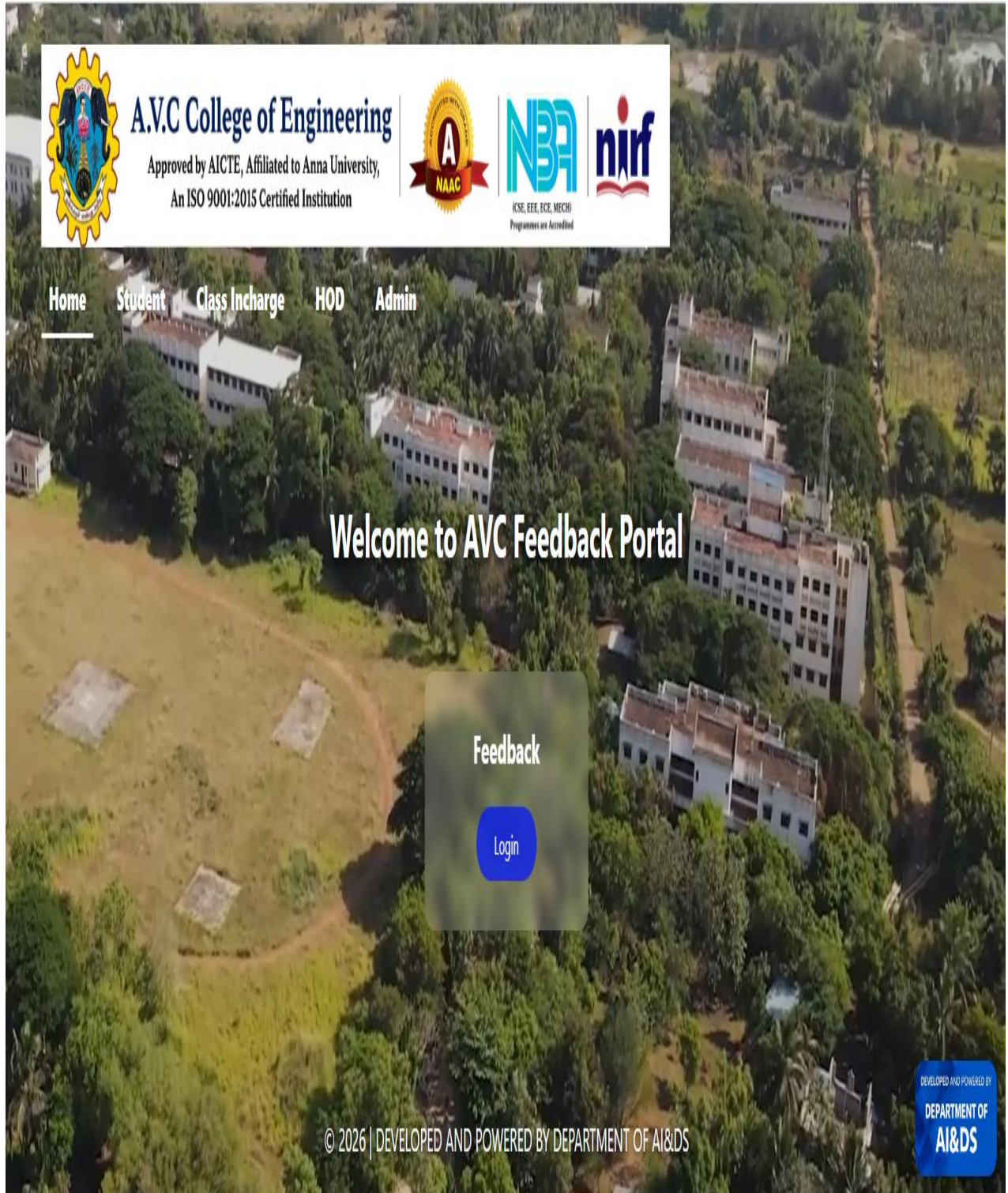
The success of CNNs increased dramatically after the introduction of powerful architectures like AlexNet, VGG, ResNet, and GoogleNet. Today, CNNs form the foundation of modern computer vision systems.

Architecture of CNN

A Convolutional Neural Network consists of multiple layers that work together to extract features and make predictions.

Projects

The **Real Time Project** was successfully developed by **Hariharan G** under the valuable guidance and continuous support of our faculty members. **Guided By Dr. R. Kanimozhi - HOD, M. Abinaya Assistant Professor ,K. Rajasoundari Technical Assistant.**



← Back

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Student Feedback Submission Status

AI&DS | Year II | Sem IV | 2025-26

PHASE 1

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Assignments

1. To understand the fundamental concepts related to the subject and apply them effectively in practical scenarios.
2. To develop analytical and problem-solving skills through assignment-based learning activities.
3. To enhance students' ability to research, organize, and present technical information clearly.
4. To improve independent learning, critical thinking, and creativity in solving domain-specific problems.
5. To strengthen communication and technical writing skills through structured documentation and reporting.

ASSIGNMENT NO: 1

NAME : G. LAVANYA
BRANCH : B.TECH AI/DS - IInd YEAR
SUBJECT : MACHINE LEARNING
DATE : 09/01/2026
REGNO : 820324243027

Good

Content	Clarity	Analysis	writing style	total
✓	✓	✓	✓	20/20

Assignment-1

machine

Learning

Good

content (5)	clarity (5)	Writing style(5)	Analysis (5)	Total (20)
✓	✓	✓	✓	20 20

Name: A. Lourida Francy Veronie

Reg No: 820324243028

Branch: B.Tech AI & DS

9/2/20