

## WORKING MODELS/CHARTS/MONOGRAMS

To enhance the delivery of laboratory instructions and assist students in using equipment and technologies more efficiently, the department faculty collaborate with professional designers to create reference charts. These charts are printed and displayed in the laboratories, serving as valuable learning aids during coursework, research, and project work.

Below are examples of charts developed by the faculty currently on display in the labs.

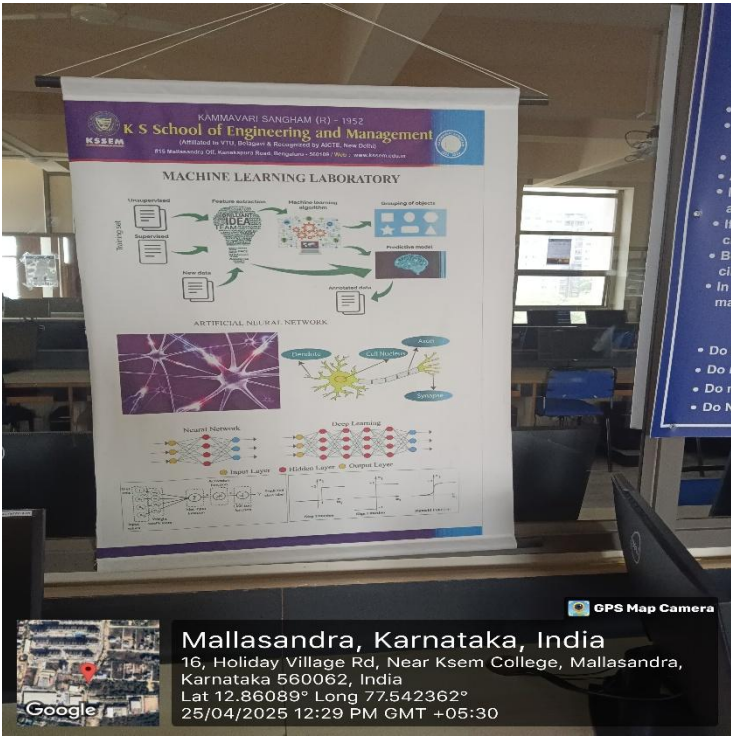
Sl No	Laboratory Name	Charts with Description
1	Machine Learning Laboratory	 <p>The chart is a comprehensive overview of machine learning and artificial neural networks. It starts with 'Unstructured data' (Text, Images, Audio) leading to 'Feature Extraction' (labeled 'Idea'). This leads to a 'Machine Learning Algorithm' which results in 'Grouping of objects' (Classification) and a 'Predictive Model'. Below this, it details an 'ARTIFICIAL NEURAL NETWORK' with a diagram showing 'Input Layer', 'Hidden Layer', and 'Output Layer'. It also includes a 'Deep Learning' section with a diagram of a neural network. At the bottom, there is a Google Map of Mallasandra, Karnataka, India, with coordinates and a timestamp.</p>

Fig 5.7.3.1: Typical Artificial Networks

2

Web  
Technology  
Lab



Fig 5.7.3.2: Web Technology

3

Project Laboratory



Fig 5.7.3.3: Algorithm Development

4

Data structure  
Laboratory

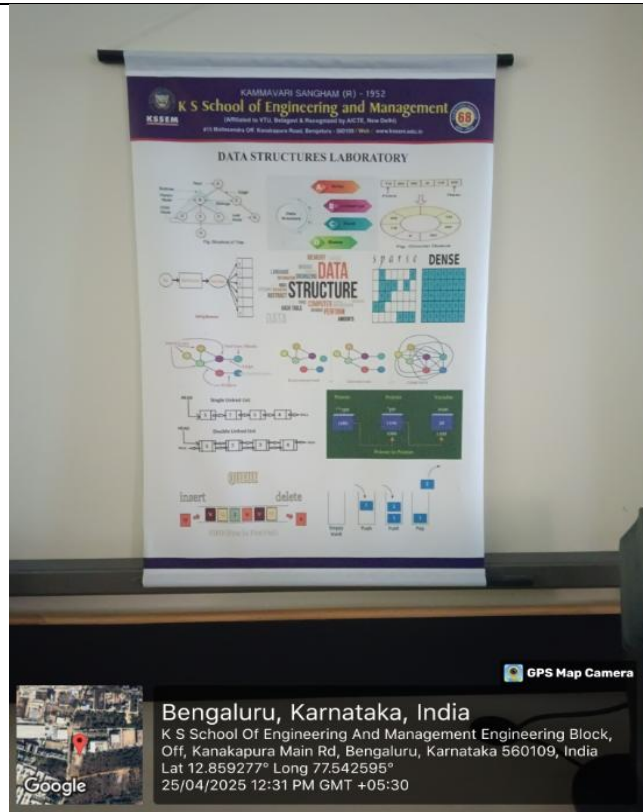


Fig 5.7.3.4: Data structure Concepts

5

## Design and Analysis Laboratory

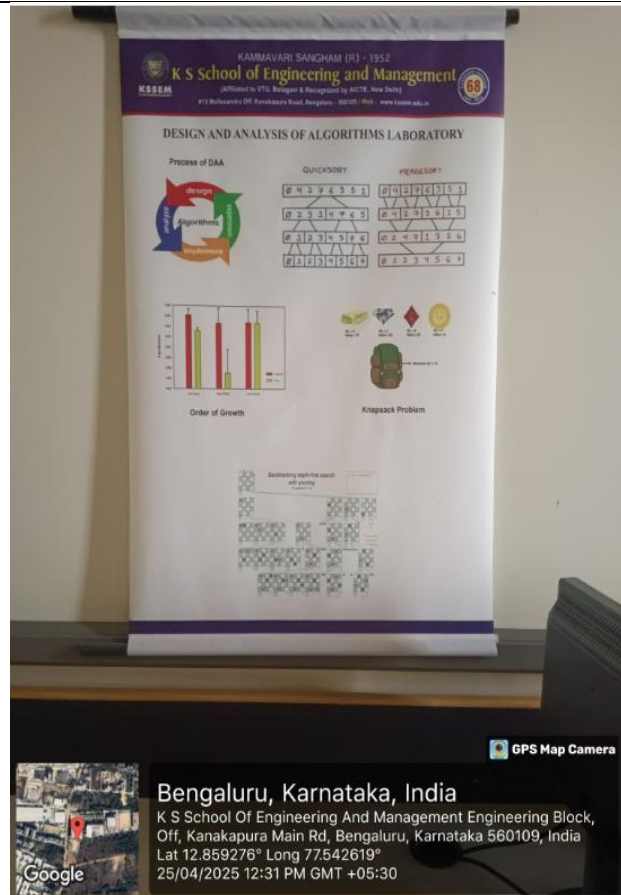


Fig 5.7.3.5: Design and Analysis of algorithm

6.

## Microcontroller Laboratory

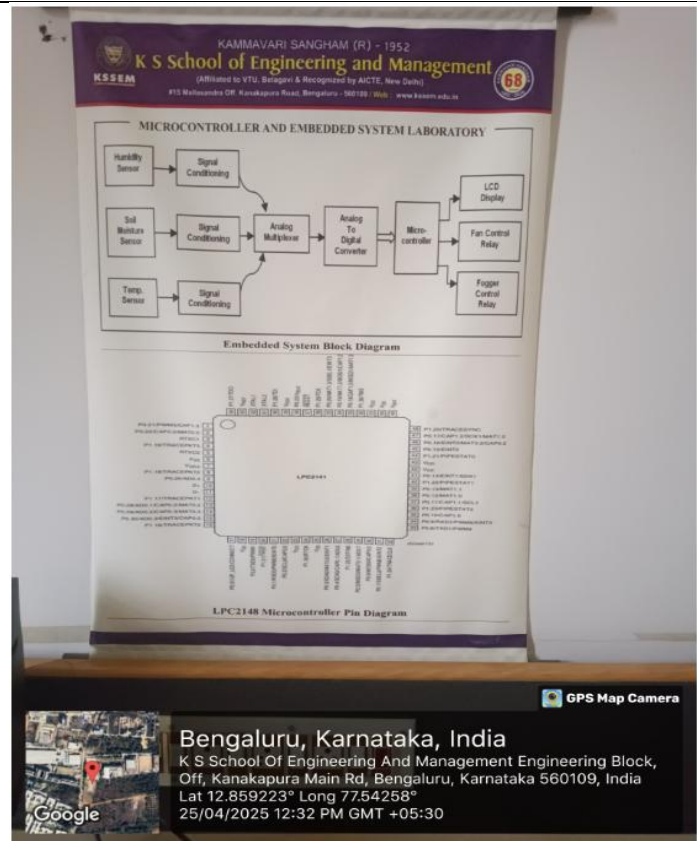


Fig 5.7.3.6: Microcontroller Pin Diagram

7. Computer Network Laboratory

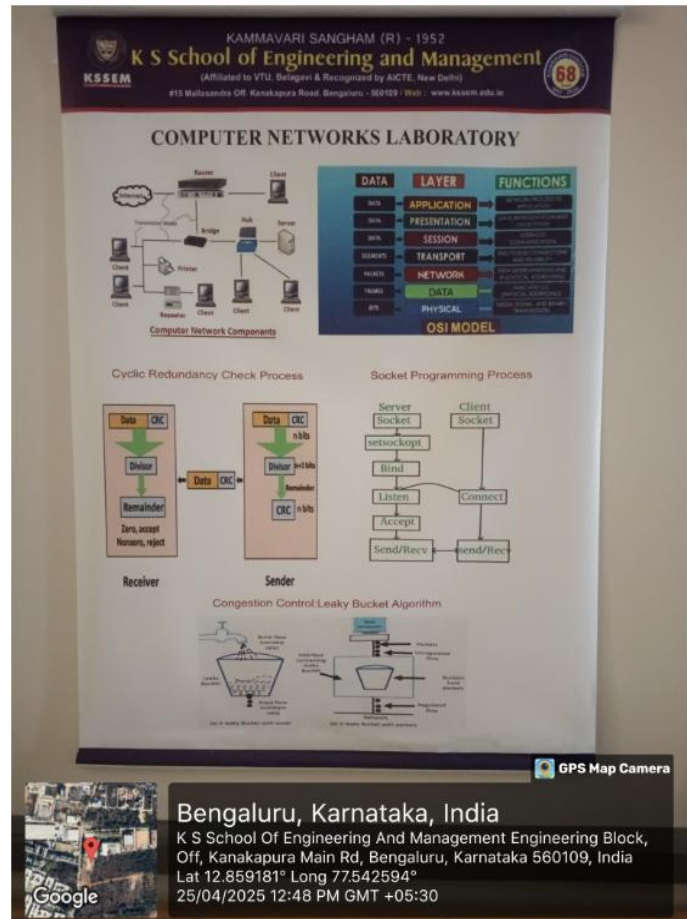


Fig 5.7.3.7.OSI Model



8.

DBMS Laboratory



Fig 5.7.3.8. DBMS Application