

# Training Day 1 Report:

**Date:** 23 June 2025

**S.T.E.P** - Science & Technology Entrepreneurs' Park (STEP-GNDEC), Ludhiana

## 1. Introduction to MERN Stack Training

The first day of the MERN Stack training served as an orientation session. The instructor introduced the full stack technology stack that we will be focusing on throughout the training, including:

- **MongoDB** – NoSQL database
- **Express.js** – Web framework for Node.js
- **React.js** – Frontend JavaScript library
- **Node.js** – Runtime environment for JavaScript

## 2. Objective of the Training

The training aims to:

- Build dynamic and full-featured web applications using MERN.
- Understand both frontend and backend development.
- Learn how to connect frontend and backend using RESTful APIs.
- Manage data with MongoDB.
- Deploy MERN applications.

## 3. Day 1 Activities

### 1. Introduction & Setup

- Overview of what we will learn during the 4-week training.
- Installation and setup of essential tools:

- Visual Studio Code
- Node.js and npm
- MongoDB Compass
- Git and GitHub

## **2. Task Based on Prior Knowledge**

- We were assigned a task to create a simple **front page UI** using only:
  - HTML
  - CSS

This task helped in evaluating our current knowledge and design understanding before diving into React.

## **3. Discussion Topics**

- What is Full Stack Development?
- Difference between Frontend and Backend
- Introduction to Git & version control basics
- Importance of learning MERN in the current job market