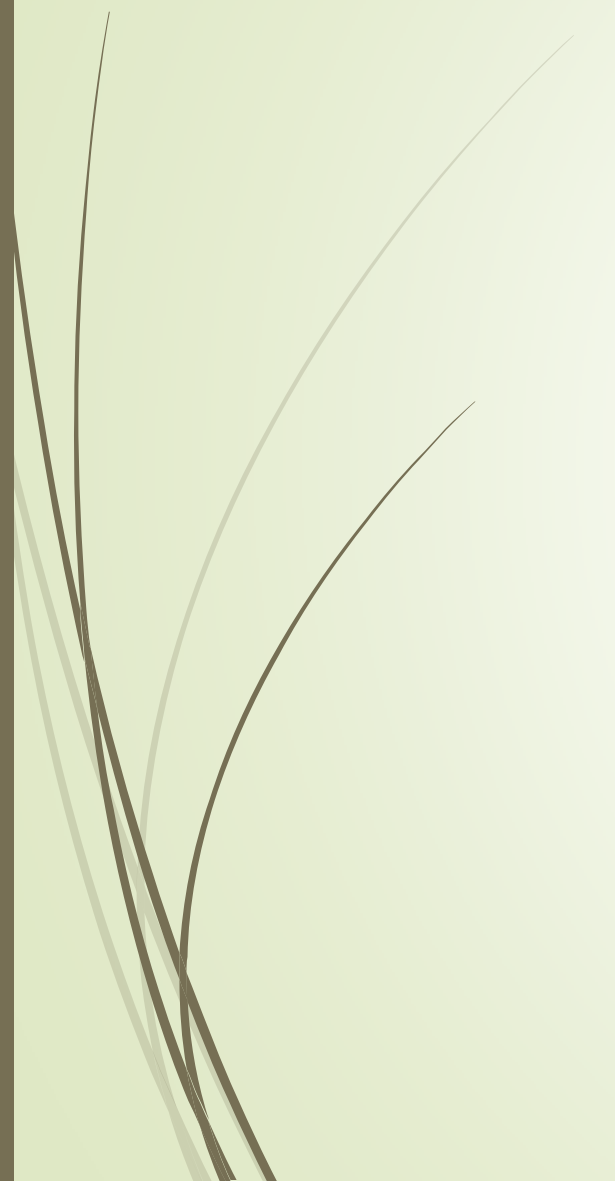




Sem 8 internship presentation

- **Name** :Dhundhalva Sanjay Keshubhai
 - **Enrollment no.** : 210280107113
 - **Internal Guide** : Prof. Chirag Thaker
 - **Date** : 07/03/2025
- 

Company and Industry details

- ∅ **Company Name** : multispán control instruments pvt ltd
- ∅ **Company Address** : 72B Phase 1 GIDC Vatva Ahmedabad 382445 Gujarat India
- ∅ **Company Website** : <https://www.multispánindia.com>
- ∅ **Department** :Web-Development



Industry Mentor Details

- **Mentor Name** : Pankaj Kantaria
- **Mentor Email** : iiot@multispanindia.com

Technologies to learn in internship

Frontend Technology:

- Ø Javascript
- Ø Html ,Css
- Ø React

Backend Technology:

- Ø Nodejs
- Ø Expressjs
- Ø Testing
- Ø Api Handling


Database :

- Ø SQL
- Ø Mongodb

Internship Confirmation Letter



Noc Letter



GOVERNMENT OF GUJARAT
L. D. COLLEGE OF ENGINEERING, AHMEDABAD-380015
 એલ. ડી. કોલેજ ઓફ એન્જીનીયરીંગ, અમદાવાદ-૩૮૦૦૧૫
 एल. डी. कॉलेज ऑफ इंजिनीयरिंग, अहमदाबाद-३८००१५
 Phone: 26306752 (Office), 26302887 (Principal) Telegram: ENCOPRI
 Fax : 079-26302887 AHMEDABAD-380015

Date: 12 January 2025

To,
HR Manager,

Subject: Letter of Recommendation & No Objection Certificate for INTERNSHIP /IDP Project in Industry for final Sem Student of Engineering.

Sir/Madam,

L.D. College of Engineering, Ahmedabad, is a premier engineering institute in the Gujarat state imparting quality education in various engineering disciplines. This institute offers graduate & postgraduate programs in various engineering branches. Along with theory, industrial exposure to the student is very necessary.

Computer Engineering Department works with the following objectives:

- To Identify Industries based problems on which students have to prepare their final year project.
- To Help Industrial Association to work better through students' efforts.
- To send students for Summer Internship in the Industries.
- To develop interrelationship among L.D. College of Engineering, GTU and Industries.

With above said objectives we, L.D. College of Engineering have no objection against our following students will undergo for Project Work with your esteemed organization. If you grant permission to them it would help to build strong technical skills to individuals. Also, it will help to build industry institute linkage which in turn results in overall development of society and nation as well. Hereby we recommend our student to do internship in your organization.

We would like to add that this project is part under their study curriculum and all rules and regulations are under GUJARAT TECHNOLOGICAL UNIVERSITY norms. They should be given implementation details and code to represent at institute at the end of semester. They have to report to guide once in a week. Their 8th semester is from 20/01/25 to 10/05/25. 8th semester project report and examination will be carried out in end of April, 2025. So, project completion date will be in May 2025 tentatively.

- DHUNDHALVA SANJAYBHAI KESHUBHAI ,
- EnRollNo: 2102B0107113

8th SEMESTER, B.E. COMPUTER ENGINEERING

Hoping favorable response.
Thanking You,

Prof & Head

Progress of Week 1 : 20/01/25 - 24/01/25

- Ø **Introduction:** During week-1 I learnt about C language from start to advance.
- Ø **Structure:** A C program consists of functions, variables, and statements, with execution starting from `main()`.
- Ø **Syntax:** Uses data types (int, char, float), control structures (if, for, while), and functions for modularity.
- Ø **Memory Management:** C provides manual memory handling using `malloc()`, `free()`, and pointers for efficient control.
- Ø **Compilation & Execution:** C programs are compiled using compilers like GCC, converting source code into machine code.

Progress of Week 2: 27/01/25 - 03/02/25

- Ø **Project Overview:** A Library Management System (LMS) developed in **C** to manage book inventory, borrowing, and returning efficiently.
- Ø **Key Features:** Users can search, borrow, and return books, while admins can add, update, and track books using file handling for data storage.
- Ø **Technologies Used:** Implemented in **C** with file handling for data persistence, structs for book and user management, and a CLI-based interface.
- Ø **Functionality:** Includes book search, availability tracking, user management, and report generation for overdue books and borrowing history.
- Ø **Expected Outcome:** A console-based, efficient, and scalable system improving library operations with structured data management.

Progress of Week 3: 03/02/25 - 09/02/25

- Ø Learned **MongoDB, Express.js, React, and Node.js**, a popular JavaScript-based full-stack framework.
- Ø **Frontend Development** – Built user interfaces with **React**, using **components, hooks, and state management** for dynamic web apps.
- Ø **Backend & API Development** – Explored **Express.js** to create RESTful APIs, handle requests, and connect with databases.
- Ø **Database Management** – Used **MongoDB**, a NoSQL database, to store and retrieve data efficiently for web applications.
- Ø **Project Development** – Created a **basic full-stack project**, integrating frontend, backend, and database for a complete web solution.

Overview of Project

v **Bridging Natural Farmers and Conscious Consumers:**

- ∅ **Problem:** Farmers practicing natural farming struggle to find reliable markets, while consumers cannot easily verify the authenticity of natural farming products.
- ∅ **Farmer Verification:** Create a system to authenticate and track natural farming practices, providing farmers with a digital certification.
- ∅ **Consumer Traceability:** Implement a QR code system allowing consumers to trace product origin, farming methods, and certification details in real-time.
- ∅ **Direct Market Connection:** Build a digital marketplace connecting verified natural farmers directly with consumers, reducing intermediary costs and ensuring fair pricing.



Thank You