# DIGITAL COMMERCE EMPOWERMENT ECOSYSTEM (DCEE)

20INMCA506 - Main Project

### Scrum Master

## Ms. Sona Maria Sebastian

Assistant Professor
Department of Computer Applications

## Josna Mary Thomas

AJC20MCA-I041
INMCA2020-25 S10
https://github.com/Josnamaryt/DCEE_Miniproject2.git
josnamarythomas2025@mca.ajce.in

**DEPARTMENT OF COMPUTER APPLICATIONS**

# ABSTRACT

**a) Abstract:**

An innovative initiative poised to empower small and local Indian businesses to not merely survive but thrive in the digital age. DCEE aims to bridge the digital divide, offering a suite of solutions that enhance digital presence, cultivate customer trust, facilitate rural payments, streamline support processes, optimize inventory management, simplify regulatory compliance, and bridge digital literacy gaps. By addressing these pressing issues head-on, DCEE aspires to be a catalyst for the growth and prosperity of small businesses, enriching communities and preserving the entrepreneurial spirit that defines the essence of Indian commerce.

**b) List of users:**

- **Digital Storefront owner**
  - Register
  - Manage profile
  - Manage products or business store
  - View and manage customers
  - Payment transaction
- **Customers**
  - Register
  - Manage profile
  - Buy products
  - Add to cart
  - Manage cart
  - Payment transaction
- **Admin**
  - Login
  - Manage other user profiles (customer, storefront builder)
  - Add and Edit Products
  - Manage security controls
  - Manage transactions

- **Instructor (Main Project)**

  - Register
  - Manage profiles

- Manage courses (Add, Edit, Delete)
- Create and Generate course certificate

**c) Modules:**

- **Auth**
  - Registration and login
  - Forget password
  - Update password
  - Reset email
- **Platform**
  - Dashboard
  - Profile (Owner, Admin, Customer)
  - Storefront
    - Register
    - Add Resources
    - Deletion
- **Payment Module**
  - Send and receive money
- **Courses (Main Project)**
  - Registered Courses
  - Registered Customers
  - Certificate generation
- **Chatbot (Main Project)**
  - Answer frequently asked questions
  - Guide users towards appropriate resources within the system (e.g., registering)
  - Provide basic information.

**Tools used:**

- Frontend: Bootstrap
- Backend: Flask API
- Database: MongoDB