

Name : Hency Depani

Enroll. No. : 92200133014

Innovation and Originality

Project Title : Online Grocery Delivery Web App Blink-Shop-Now

1. What is New in My Project

My project **Blinkit** is not just a normal shopping website. It has some new and different ideas that make it stand out:

- **Fast and smooth system:** Many shopping websites reload again and again when you add products to the cart. In my project, the cart updates in **real time** without reloading the page. This makes the shopping experience smoother and faster for users.
- **Modern technology use:** I used **React.js, Node.js, and MongoDB** together, and deployed the project on **Vercel (serverless hosting)**. This is lighter and more cost-friendly compared to traditional hosting where servers need more money and manual setup.
- **Easily scalable:** If many people start using the website at the same time, it can automatically scale (grow) without much extra cost. This is useful for small businesses who want to grow online without investing a lot in big servers.
- **Why it is better:**

Normal Shopping Sites	My Project (BlinkitCP)
Slow, reload-based	Fast, real-time updates
Heavy server cost	Light, cloud-based, cheaper

Normal Shopping Sites	My Project (BlinkitCP)
Complex to scale	Auto-scaling, easy growth
Average experience	Smooth and user-friendly

2. Contribution to ICT Field

This project shows a new and practical way of building modern applications in ICT:

- It gives an example of how to use **cloud and serverless hosting** for real projects.
- It helps **small businesses** or startups create affordable online stores with modern tools.
- It can be a **learning model** for students or developers who want to understand full-stack development with scalability.

3. Impact on People

- **For users:** Shopping becomes quicker and more enjoyable.
- **For businesses:** They get a cheaper and flexible option to sell online.
- **For students and ICT learners:** They can learn how to use React, Node, MongoDB, and cloud hosting in a real project.

4. Future Scope

In the future, this project can be improved with:

- **AI recommendations** (suggesting products to users).
- **Blockchain payments** (safe and secure transactions).
- **IoT integration** (stock updates directly from sensors in shops).
- **Multi-cloud deployment** (running the app on more than one cloud for extra safety).

