



**BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE
APPLICATIONS AND GEO-INFORMATICS**

WEEKLY PROGRESS REPORT (29/12/2025 – 04/12/2025)

WEEK 4

PROJECT NAME

DIGITAL TOWN PLATFORM

PROJECT DESCRIPTION :

**DESIGN TO PROVIDE TOWN-LEVEL
INFORMATION, SERVICES, THROUGH A SINGLE
SYSTEM**

GROUP MEMBER :

Vandit Muniya, Mitanshu Parmar, Dixit Ram

GROUP ID :

2025G152

GROUP GUIDE :

Dr. MANOJ PANDYA

GROUP COORDINATOR :

SIDHDHARTH PATEL

COLLEGE GUIDE NAME :

NEHA FOTEDAR

COLLEGE GUIDE No. :

NOT ASSIGNED

COLLEGE GUIDE EMAIL. :

Nehafotedar.ce@ddu.ac.in

COLLEGE NAME :

DHARMSINH DESAI UNIVERSITY, NADIAD

29/12/2025	<ul style="list-style-type: none"> • Vandit Muniya: Participated in detailed group discussion to finalize the database design and implemented the initial set of 9 MongoDB models, covering core entities such as user, services, marketplace items, feedback, news, and notifications. • Mitanshu Parmar: Assisted in reviewing model schemas and validating relationships between entities to ensure alignment with project requirements and future scalability. • Dixit Ram: Contributed to designing the ER diagram based on finalized schemas, ensuring correct entity relationships and normalization.
30/12/2025	<ul style="list-style-type: none"> • Vandit Muniya: Extended the database by adding 3 additional models (marketplace category, service category, and transaction) required for proper categorization and transaction tracking. • Mitanshu Parmar: Updated and refined the ER diagram to incorporate newly added models and verified consistency with existing schemas. • Dixit Ram: Reviewed all models and ER relationships to ensure they follow standard database design practices.
31/12/2025	<ul style="list-style-type: none"> • Vandit Muniya: Started the backend coding phase, setting up the project structure and implementing core logic for authentication and authorization. • Mitanshu Parmar: Developed authentication middleware to handle user verification and secure access to protected routes. • Dixit Ram: Implemented RBAC (Role Based Access Control) middleware to enforce role specific permissions across the system.
01/12/2025	<ul style="list-style-type: none"> • Vandit Muniya: Created essential API routes, including authentication routes and test routes, to support user login and role-based operations. • Mitanshu Parmar: Developed the authentication controller to handle login, role switching, and token-based access. • Dixit Ram: Integrated middleware with routes and verified end-to-end request flow between controllers and database.

02/12/2025	<ul style="list-style-type: none"> • Vandit Muniya: Performed API testing using Postman, validating request response flow for authentication and protected routes. • Mitanshu Parmar: Identified and fixed logical and authorization related bugs found during testing. • Dixit Ram: Assisted in debugging middleware and routes, ensuring stable execution and correct role enforcement.
03/12/2025	All absent(Reporting at college)
04/12/2025	Holiday (Sunday)

Next Week Plan	<ul style="list-style-type: none"> • Frontend development : • Creation of Login and Signup pages with validation and authentication flow, development of Home page as a central dashboard • Separate pages for all major routes such as Services, Events, Marketplace, Feedback, Profile, etc. • Role-based UI rendering using React • Backend development : • Creation of routes for all modules (services, events, news, marketplace, feedback, reviews, etc.) • Integration of routes with existing authentication and RBAC middleware
----------------	---

Github link:

https://github.com/MeetanshuP/Digital_Town_Management

SCREEN SHOTS :



