



**BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE  
APPLICATIONS AND GEO-INFORMATICS**  
**WEEKLY PROGRESS REPORT (22/12/2025 – 28/12/2025)**

**WEEK 3**

**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**

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**Nehafotedar.ce@ddu.ac.in**

**COLLEGE NAME :**

**DHARMSINH DESAI UNIVERSITY, NADIAD**

22/12/2025	<ul style="list-style-type: none"> <li>The team conducted a detailed group discussion to finalize the core concept of the Digital Town Platform.</li> <li>Discussed and finalized the major modules and core features such as town news &amp; announcements, local services directory, agriculture support, grievance &amp; feedback system, local marketplace, and events &amp; community calendar.</li> <li>Initial brainstorming was done to understand project scope, feasibility, and system objectives. (Group Discussion – Vandit Muniya, Mitanshu Parmar, Dixit Ram)</li> </ul>
23/12/2025	<ul style="list-style-type: none"> <li>The team focused on identifying and finalizing user roles required in the system.</li> <li>Decided on two main roles:</li> <li>User (Normal User &amp; Service Provider with role switching)</li> <li>Admin</li> <li>Discussed how role separation will help in deciding the number of interfaces and access permissions.</li> <li>Finalized role based feature visibility to simplify UI/UX design.</li> <li>(Group Discussion – Vandit Muniya, Mitanshu Parmar, Dixit Ram)</li> </ul>
24/12/2025	<ul style="list-style-type: none"> <li>Designed and finalized the UML Use Case Diagram, improving role separation and use case ordering for better clarity and academic correctness.(Vandit Muniya)</li> <li>Discussed and analyzed the system data flow, identifying key processes such as user management, grievance handling, marketplace operations, and announcements.(Mitanshu Parmar)</li> <li>Created and refined DFD Level 0 and Level 1, ensuring accurate representation of processes, data stores, and compliance with standard software engineering practices.(Dixit Ram)</li> </ul>
25/12/2025	<b>Holiday(christmas)</b>
26/12/2025	<ul style="list-style-type: none"> <li>Final review of core features, roles, and system models was performed.</li> <li>Ensured consistency between feature list, role based access, DFDs, and Use Case Diagrams.</li> <li>Prepared system design content to be ready for</li> </ul>

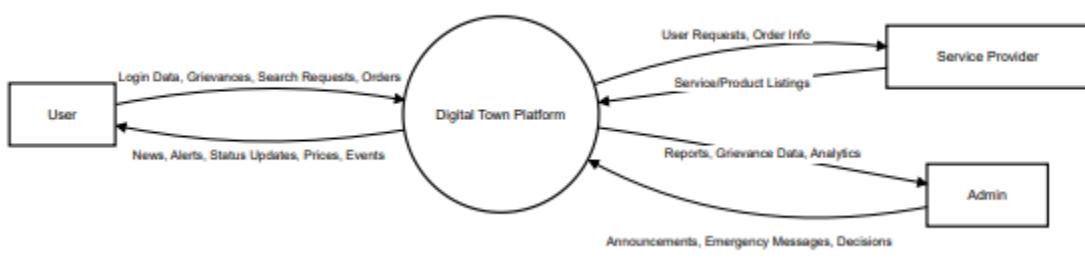
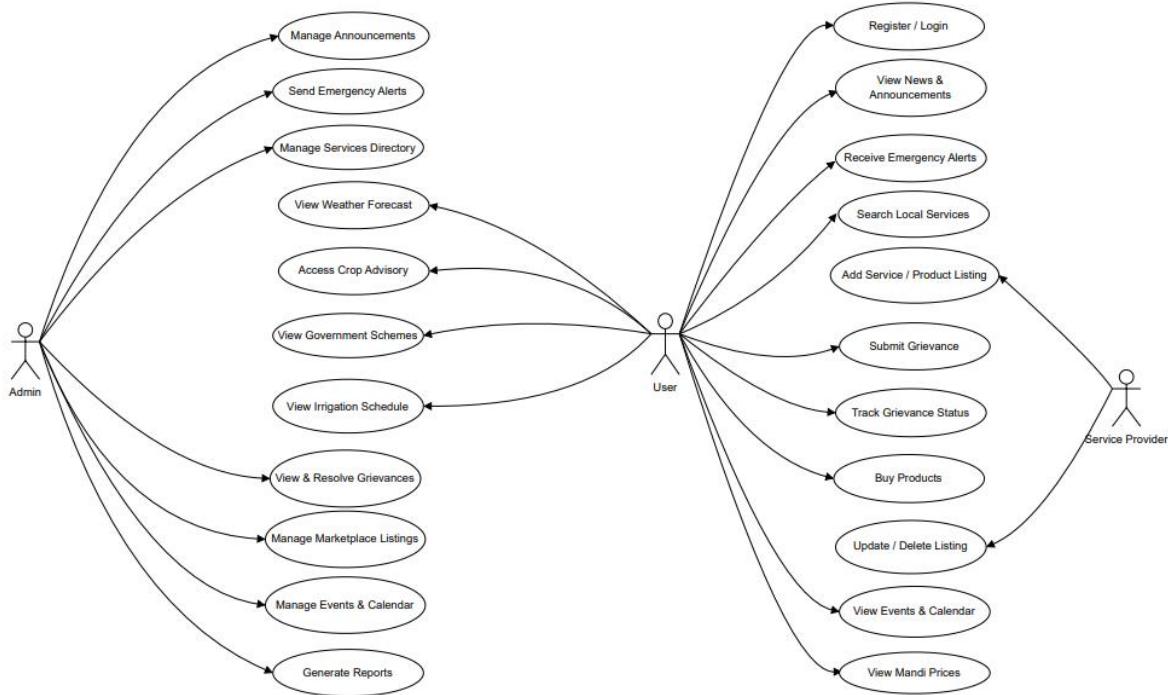
	<p><b>implementation phase.</b></p> <ul style="list-style-type: none"> <li>• Discussed next steps including UI design, backend implementation, and integration planning.</li> <li>• (Finalization &amp; Planning – Vandit Muniya, Mitanshu Parmar)</li> <li>• Absent (Dixit Ram)</li> </ul>
<b>27/12/2025</b>	<b>Holiday (4<sup>th</sup> Saturday)</b>
<b>28/12/2025</b>	<b>Holiday (Sunday)</b>

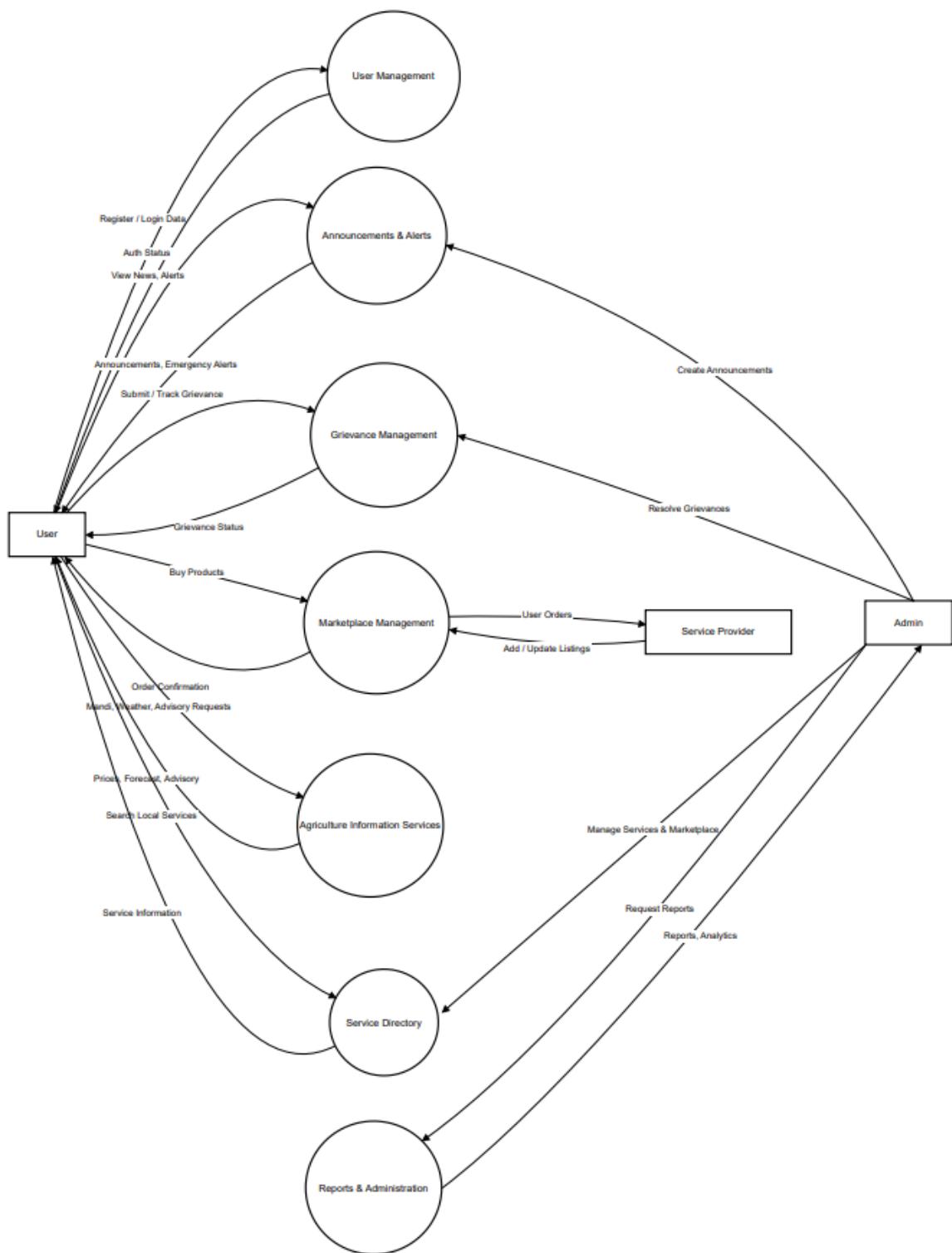
<b>Next Week Plan</b>	<p><b>I</b> The team plans to start the detailed system design and implementation phase, focusing on frontend and backend architecture.</p> <p><b>UI wireframes and role-based interfaces will be designed for Normal User, Service Provider, and Admin.</b></p> <p><b>Backend setup will begin, including database schema design, API planning, and initial module implementation.</b></p>
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**Github link:**

[https://github.com/MeetanshuP/Digital\\_Town\\_Management](https://github.com/MeetanshuP/Digital_Town_Management)

## SCREEN SHOTS :





Screenshot of a GitHub repository interface showing the file structure and commit history for the 'models' directory.

**File Structure:**

```

Digital_Town_Management / server / models / 
  - master
  - public
    - favicon.ico
    - index.html
    - logo192.png
    - logo512.png
    - manifest.json
    - robots.txt
  - src
    - App.css
    - App.js
    - index.css
    - index.js
    - package-lock.json
    - package.json
  - server
    - .gitignore

```

**Commit History:**

Name	Last commit message	Last commit date
..		
adminLog.js	all models created	12 hours ago
event.js	Models created	yesterday
feedback.js	Models created	yesterday
marketplaceitem.js	all models created	12 hours ago
news.js	Models created	yesterday
notification.js	all models created	12 hours ago
review.js	all models created	12 hours ago
service.js	all models created	12 hours ago
user.js	Models created	yesterday

Screenshot of a GitHub repository interface showing the file structure and code content for the 'service.js' file.

**File Structure:**

```

Digital_Town_Management / server / models / service.js
  - master
  - public
    - favicon.ico
    - index.html
    - logo192.png
    - logo512.png
    - manifest.json
    - robots.txt
  - src
    - App.css
    - App.js
    - index.css
    - index.js
    - package-lock.json
    - package.json
  - server
    - .gitignore

```

**Code Content:**

```

const mongoose = require("mongoose");
const ServiceSchema = new schema({
  serviceName: {
    type: String,
    required: true,
    trim: true,
  },
  description: {
    type: String,
  },
  category: {
    type: String,
    required: true,
  },
  provider: {
    type: Schema.Types.ObjectId,
    ref: "User",
    required: true,
  },
  contactNumber: {
    type: String,
  },
  status: {
    type: String,
    enum: ["Pending", "Approved", "Rejected"],
    default: "Pending",
  },
  timestamps: true,
});
ServiceSchema.index({ provider: 1 });
const Service = model("Service", ServiceSchema);
module.exports = Service;

```