



**BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE  
APPLICATIONS AND GEO-INFORMATICS**  
**WEEKLY PROGRESS REPORT (09/02/2026 – 15/02/2026)**

**WEEK 10**

**PROJECT NAME**

**DIGITAL TOWN PLATFORM**

**PROJECT DESCRIPTION :**

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

**GROUP MEMBER :**

**Vandit Muniya, Mitanshu Parmar**

**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**

09/02/2026	<ul style="list-style-type: none"> <li><b>Vandit Muniya:</b> Planned the complete integration workflow for location-based news (Browser Geolocation → Reverse Geocoding → External News API → Backend Normalization → Frontend Rendering). Designed a category-based toggle system (Agriculture, Finance, Health, Education, Politics) and structured the backend route /api/news/location.</li> <li><b>Mitanshu Parmar:</b> Reviewed proposed system architecture and validated the logical flow between frontend geolocation capture and backend processing pipeline.</li> </ul>
10/02/2026	<ul style="list-style-type: none"> <li><b>Vandit Muniya:</b> Implemented backend controller function getLocationBasedNews. Integrated OpenStreetMap Nominatim API for reverse geocoding (latitude/longitude → city/state). Developed news.service.js to fetch data from NewsAPI and implemented category mapping logic aligning UI categories with API-supported parameters.</li> <li><b>Mitanshu Parmar:</b> Tested reverse geocoding responses and validated category mapping logic against different input scenarios to ensure correct API parameter transformation.</li> </ul>
11/02/2026	<ul style="list-style-type: none"> <li><b>Vandit Muniya:</b> Configured environment variables for secure NewsAPI key storage in backend .env. Integrated dotenv configuration in index.js. Debugged 500 Internal Server Errors caused by missing API keys and incorrect service imports.</li> <li><b>Mitanshu Parmar:</b> Assisted in backend testing, verified environment configuration, and validated successful API authentication after resolving server-side errors.</li> </ul>
12/02/26	<ul style="list-style-type: none"> <li><b>Vandit Muniya:</b> Diagnosed zero-result issue from NewsAPI /v2/top-headlines endpoint and revised API strategy to use /v2/everything endpoint. Modified query logic to keyword-based search (state + category).</li> </ul>

	<p>Implemented improved error handling and response validation in service layer. Verified successful article retrieval with accurate count and structured response fields.</p> <ul style="list-style-type: none"> <li>Mitanshu Parmar: Conducted API response testing with multiple state-category combinations and confirmed consistency of returned articles and response schema.</li> </ul>
13/02/2026	<ul style="list-style-type: none"> <li>Vandit Muniya: Developed frontend component LocationNews.jsx for location-based news rendering. Implemented category toggle UI with dynamic state management. Integrated backend API through newsApi.js service file. Added defensive state handling (Array.isArray validation) to prevent runtime errors. Enhanced UI by replacing unordered list layout with responsive Tailwind-based card design.</li> <li>Mitanshu Parmar: Performed frontend validation testing, verified category toggle functionality, and reviewed UI responsiveness across different test cases.</li> </ul>
14/02/2026	Holiday(second Saturday)
15/02/2026	Holiday (Sunday)

Next Week Plan	<ul style="list-style-type: none"> <li>Continue development of the Service Provider module, completing remaining backend workflows such as service provider registration, profile management, and service assignment logic.</li> <li>Implement and finalize service provider-specific APIs, including:             <ul style="list-style-type: none"> <li>Viewing assigned service requests</li> <li>Accepting / rejecting service requests</li> <li>Updating service status (Pending → In Progress → Completed)</li> <li>Managing provider availability</li> </ul> </li> </ul>
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## **Github link:**

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

## **SCREEN SHOTS :**

The screenshot shows the 'Village Connect' news section. At the top, there's a green header with the title 'Village News' and a sub-instruction 'Stay updated with the latest happenings in your community.' Below the header are two buttons: 'Local News' and 'Nearby News'. The 'Nearby News' button is highlighted with a green border. The main content area has a white background and features three news cards. Each card includes a small thumbnail image, the news title, a brief description, and the source. The first card is titled 'Trump's shadow looms over India-EU trade deal' and is from BBC News. The second card is titled 'Indian unions and farmers stage a nationwide strike over interim trade deal with US' and is from Yahoo Entertainment. The third card is titled 'Farmers consider leaving staple crops to rot following unexpected crisis: 'What am I supposed ...'' and is also from Yahoo Entertainment.

VillageConnect

Home News Services Market Grievance Events John

Village News

Stay updated with the latest happenings in your community.

Local News Nearby News

Nearby News

AGRICULTURE FINANCE HEALTH EDUCATION POLITICS

**Trump's shadow looms over India-EU trade deal**  
Despite strong relations between India and EU, trade talks were stuck for two decades. So what changed now?  
BBC News

**Indian unions and farmers stage a nationwide strike over interim trade deal with US**  
A coalition of major trade unions and farmers' groups in India mounted a nationwide strike Thursday to protest an interim trade deal with the United States, ...  
Yahoo Entertainment

**Farmers consider leaving staple crops to rot following unexpected crisis: 'What am I supposed ...'**  
The financial prospects for farming remain bleak, and the appeal for newcomers to come in is waning.  
Yahoo Entertainment

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### Nearby News

AGRICULTURE FINANCE HEALTH EDUCATION POLITICS

**Apple clears a major manufacturing hurdle in India amid regulatory tension**

The Indian government approved a measure on Sunday that allows Apple to directly finance iPhone manufacturing equipment in India without risking additional taxes. Here are the details... [more...](#)

By Nikunj Ohni MUMBAI/NEW DELHI, Jan 19 (Reuters) - India's central bank has proposed that BRICS countries link their official digital...

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**India doubles tax holiday for GIFT City businesses to 20 years**

By Jayshree P Upadhyay MUMBAI, Feb 1 (Reuters) - India's federal budget on Sunday doubled the tax holiday for businesses establishing operations in a low-tax...

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**India seeks to boost manufacturing, hit \$1.3 trln in exports through deregulation, sources say**

By Nikunj Ohni and Smita Chagani Singh NEW DELHI, Jan 23 (Reuters) - India will seek to triple the nation's exports by 2035 by boosting manufacturing...

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**Confronted over Greenland, Europe is ditching its softly-softly approach to Trump**

Transatlantic relations aren't broken, though they are damaged. And if Europeans want to try to cut through with Trump, they'll have to stick together, writes Europe Editor Katy Adler

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**India dangles 20-year tax holiday for clouds that serve offshore users**

PLUS: NTT offshores to Vietnam; Japan adds AI interface to space data; Samsung cashes in on memory boom Asia In Brief India wants to offer big tech companies tax breaks that last decades...

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