TEAM CAMPUS CONNECT

TEAM MEMBERS:

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1 Title- The Growing Threat of Heavy Rain to Road Infrastructure

2. Objective

- The main objective of RainRelief is to provide timely and effective solutions for heavy rain-related challenges. The platform assists local residents, city officials, and community organizations by sharing information, updates, and preventive measures during heavy rainfall. It aims to improve awareness, preparedness, and response efficiency, ensuring public safety and convenience.

3. Tools Used

- Lovable App – To create and deploy the RainRelief website.
- ChatGPT – For AI chatbot integration and generating content.
- Gamma – To design and create the project presentation (PPT).
- Google – For research and gathering additional information about heavy rain solutions.

4. Methodology

- Topic Selection – Chose heavy rain challenges after discussing effects, problems, and possible solutions.

- AI Integration Planning – Decided how AI (chatbot) could assist in solving community issues.
- Design & Structure – Created website layout and planned user-friendly navigation.
- Development – Built the website using Lovable, adding features like chatbot, problem section, report issue page, and contact page.
- Content Integration – Added information on heavy rain solutions, safety tips, and community support.
- Testing & Deployment – Tested website functionality and responsiveness, then deployed it publicly.

5. Features of the Website

- AI Chatbot – Provides instant responses to common queries about heavy rain and preventive measures.
- Problem Section – Users can view common heavy rain issues and suggested solutions.
- Report Issue Page – Allows users to report rain-related problems in their area for faster action.
- Contact Page – Facilitates communication with the RainRelief team for assistance and inquiries.

6. Output

- The RainRelief website provides users with real-time information, support, and community engagement options. With features like the chatbot, issue reporting, and contact page, users can easily access help and guidance during heavy rain events.

7. Result

- RainRelief successfully created a centralized hub for heavy rain solutions. The platform improved accessibility to important information, encouraged community participation, and enhanced preparedness for heavy rain situations. Users reported that the chatbot and report issue features made problem-solving faster and easier.

8. Conclusion

- RainRelief demonstrates how technology can enhance disaster preparedness and community awareness. By offering timely updates, interactive tools, and community engagement options, it ensures individuals and organizations can respond proactively to heavy rain events, making the community safer and better connected.

9. Project URL

- https://rainrelief-solutions.lovable.app

10. GitHub Profile

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