

## Basic Details

Team Name: BINARY BRAINERS

Theme: SMART EDUCATION

Title of Problem Statement: Online integrated platform for projects taken up by the students of various universities/colleges

Problem Statement Number(PS): SIH1369

College: Lakshmi Narayan College of Technology

**Abstract: PROBLEM STATEMENT:** Innovation is the key to betterment of education and students in the Indian universities/colleges put a lot of efforts on the projects as a part of the academic requirements. If a common knowledge platform (with a facility for plagiarism) is created to bring all project works taken up at various levels by the students in Technical / Higher Educational Institutes and Universities throughout the country, then it will be a great source of knowledge and also will help the student community to take up unique/innovative project works  
**Summary:** An integrated platform should be developed where in all the universities/Colleges provide information about the projects done by the students. The information on this platform will help in the peer learning and this will also help in cross functional research between various universities/colleges.

**OBJECTIVE:** To develop an online integrated platform for projects taken up by the students of various universities/colleges.

**SOLUTION:** Our website **TECHINSPIRE** serves as a centralized comprehensive repository where students from different universities/colleges across India can upload and showcase their academic projects. It offers a diverse collection of project works making it a valuable knowledge hub.

TECHINSPIRE promotes comprehensive project analysis, global knowledge exchange, user engagement and collaboration, promotion of network for students, preparation for the workforce, improves quality of projects and also helps in enhancing the quality of higher education in India. TECHINSPIRE promotes collaboration and research partnerships among universities and colleges all over India by creating cross-university research opportunities. TECHINSPIRE provides following advantages to its user:

- ◆ **Customizable Collaboration Spaces:** Where universities and colleges can create their communities or groups which provide dedicated spaces to engage in discussions, peer reviews, and interdisciplinary research, fostering a vibrant academic community.
- ◆ **Real-time Feedback and Evaluation:** It incorporates a real-time feedback and evaluation system, allowing users to provide constructive feedback to students promptly.

- ◆ **Advanced Search and Filtering:** Improve the search functionality by allowing users to filter projects based on criteria such as subject, university, project type, and date. This makes it easier for users to find specific projects of interest.
- ◆ **Recommendation Engine:** Implement a recommendation system that suggests projects, research papers, or collaborators based on a user's interests, previous interactions, and profile information.
- ◆ **Interactive Data Visualization:** Provide interactive data visualization tools that allow users to explore project data visually, making it easier to understand trends, patterns, and insights.
- ◆ **Multilingual Support:** Make your website accessible to a broader audience by providing support for multiple languages, particularly in a diverse country like India.
- ◆ **Notifications and Alerts:** Implement a notification system to keep users informed about project updates, comments, or important platform announcements.
- ◆ **User Profiles:** Allow users to create profiles where they can showcase their academic achievements, project history, and areas of expertise. This can encourage networking and collaboration among students and faculty.
- ◆ **Trending Section:** We highlight the top projects of the month and week in a dedicated "Trending" section. This provides recognition to outstanding student work, motivates excellence, and inspires others to aim higher in their projects.
- ◆ **AI Chatbot:** We incorporated an AI Chatbot into your website which enhance user engagement and provide valuable assistance to visitors and solves any queries without any delay.

