

# Nexus Hub

This project aims to address the challenges faced by college students in managing members in projects taken up by the students of various universities/colleges due to lack of corresponding centralized platforms and obstruction to learning and networking.

**BY-**

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# Problem Statement

Need for an online integrated platform for managing members in project taken up by the students of various universities/colleges due to lack of corresponding centralized platforms and obstruction to learning and networking.



# Project Abstract

## Overview

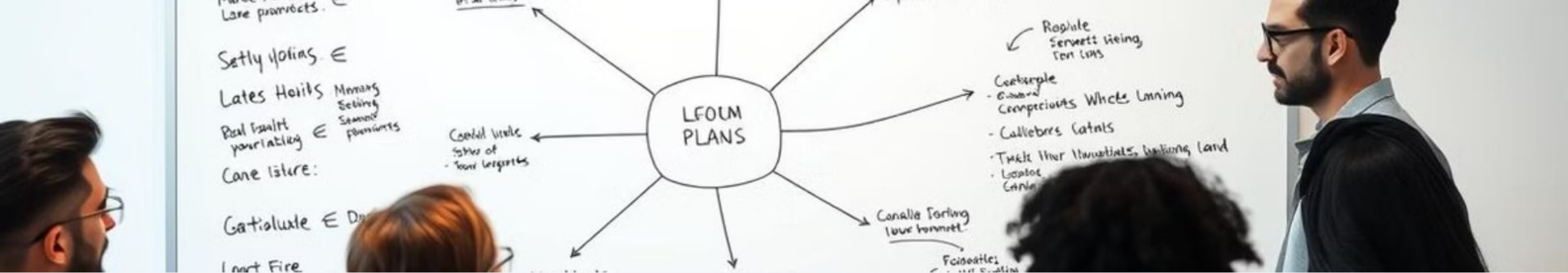
This project provides a collaborative platform for efficient project team management among students across universities/colleges while improving learning and networking opportunities.

## Key Objectives

Streamline project team management, facilitate collaboration and networking among students and professionals, and showcase student talents.

## Approach

Build a platform for students to create project profiles, find potential project team members, and review candidate profiles ensuring secure access control.



# Project Goals and Objectives

## Collaborative Platform

Develop a central hub for students to manage project teams across institutions

1

## GitHub Integration

Implement GitHub integration for team evaluation and candidate review.

2

## Networking Opportunities

Enable students and professionals to connect and collaborate effectively.

3



# Alignment with UN Sustainable Development Goals (SDGs)

## SDG 4: Quality Education

Fosters collaborative,  
project-based learning.

## SDG 9: Industry, Innovation, and Infrastructure

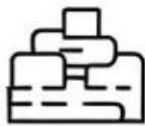
Enhances digital infrastructure  
for student innovation.

## SDG 10: Reduced Inequalities

Provides equal access for all  
students to collaboration tools.

## SDG 17: Partnerships for the Goals

Encourages partnerships across  
universities.



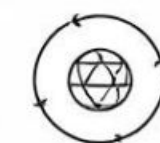
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# Methodology and Approach

1

## Authentication and Access Control

Establishing secure login, role-based access, and institutional email verification.

2

## Project Team Management Module

Incorporating features for creating and managing project teams alongside role assignment, task creation, and project tracking.

3

## Collaboration Features

Incorporating collaboration opportunities for project profile creators and potential collaborators/team members.

4

## Integration Capabilities

Integrating GitHub and LinkedIn for enhancing team collaboration and professional networking.



# Expected Outcomes and Impact

## Improved Coordination

Significant enhancement in project management, tracking, and accountability.

## Increased Networking

Substantial increase in connections between students, professors, and institutions.

## Innovation Boost

Empowerment to collaboration, creativity, and learning via networking and collaboration.





# Key Project Deliverables

User Authentication and Access Control

Secure login system with role-based permissions to manage user access.

Project Creation and Management Interface

Comprehensive tools for setting up project details, project profiles, and candidate applications.

GitHub Integration for Candidate Review

Streamlined GitHub profile integration for evaluating potential team members.





# Next Steps and Conclusion

1

## Networking Integration

integrate with professional platforms like GitHub & LinkedIn to enhance student visibility and encourage networking and collaboration.

2

## Intercollege Collaboration

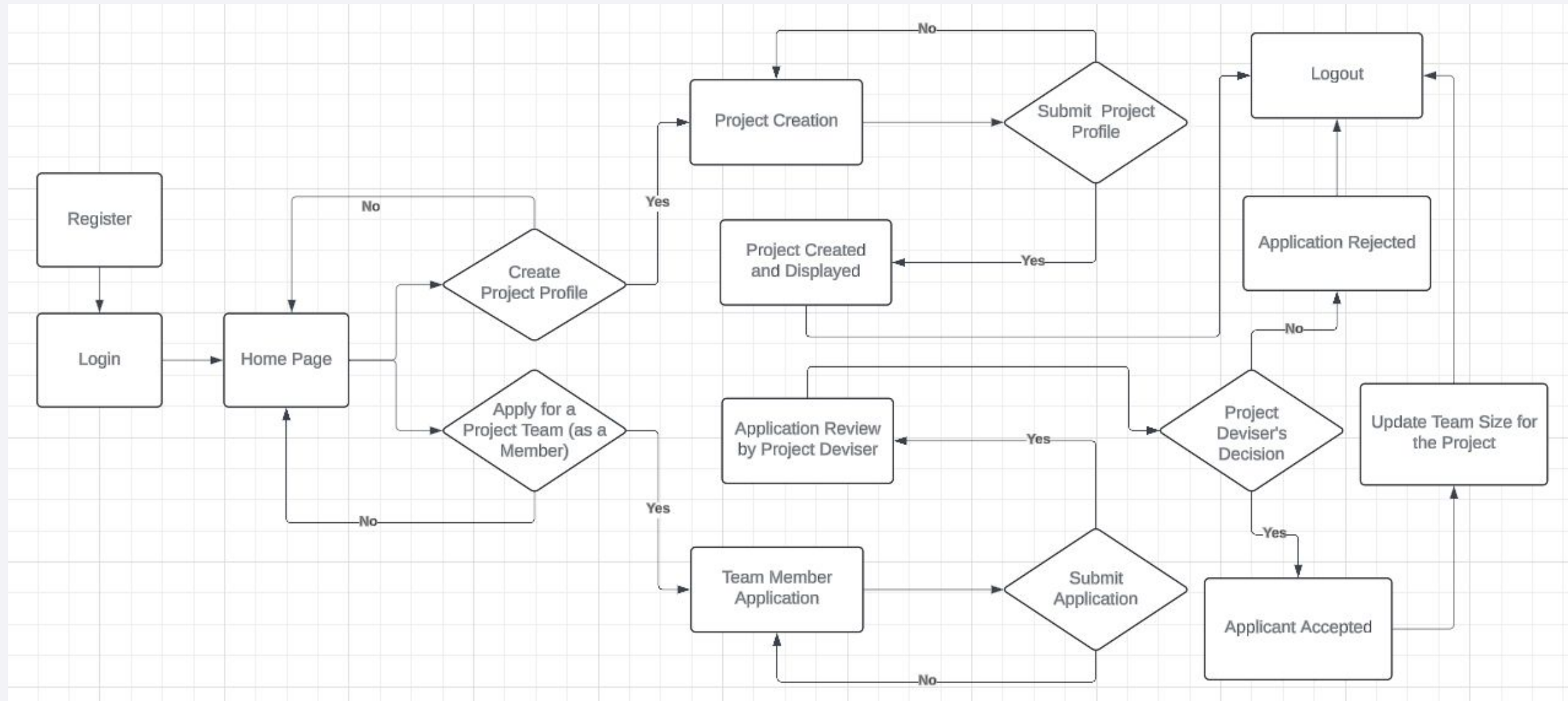
Reach out to universities to foster joint project opportunities, student exchanges, and shared innovation spaces.

3


## Institutional Integration

Work closely with schools and universities to integrate the platform into their curriculum and academic processes for greater reach and relevance.


# Workflow Diagram



# Proof of Patent Publication



Office of the Controller General of Patents, Designs & Trade Marks  
Department for Promotion of Industry and Internal Trade  
Ministry of Commerce & Industry,  
Government of India



INTELLECTUAL  
PROPERTY INDIA  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202511003478
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/01/2025
APPLICANT NAME	1 . Harsh khatter 2 . Jhalak Saxena 3 . Divyansh Singh 4 . Dr. Kalpna Sagar
TITLE OF INVENTION	EMPLOYING PROJECT MANAGEMENT SOLUTIONS TO DEVELOP A COLLABORATIVE PLATFORM FOR COLLEGE STUDENTS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	harshkhatter1988@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	31/01/2025

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

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RQ Filed

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Disposed

In case of any discrepancy in status, kindly contact [ipo-helpdesk@nic.in](mailto:ipo-helpdesk@nic.in)


# Proof of Submission on Yukti Portal



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MoE's  
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HI JHALAK SAXENA,



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Submitted Ideas/PoCs

Add Idea/PoC

Sr. No.	Innovation ID	Innovation Title	Sector/Domain/Theme	Team & Mentor Details	Action	First Stage of Evaluation Status	Upgrade
1	IR2025-960167	Nexus Hub	Smart Education	<div>Team Members Details</div>	<div><div></div><div></div></div>	Pending	



# Proof of Communication for the Research Paper

8th International Conference on Emerging Technologies in Computer Engineering: Advances in Computing, Healthcare and Smart Systems : Submission (281) has been created. External Inbox x



**Microsoft CMT** <noreply@msr-cmt.org>

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Sun, May 11, 2:27 AM



Hello,

The following submission has been created.

Track Name: ICETCE-2025

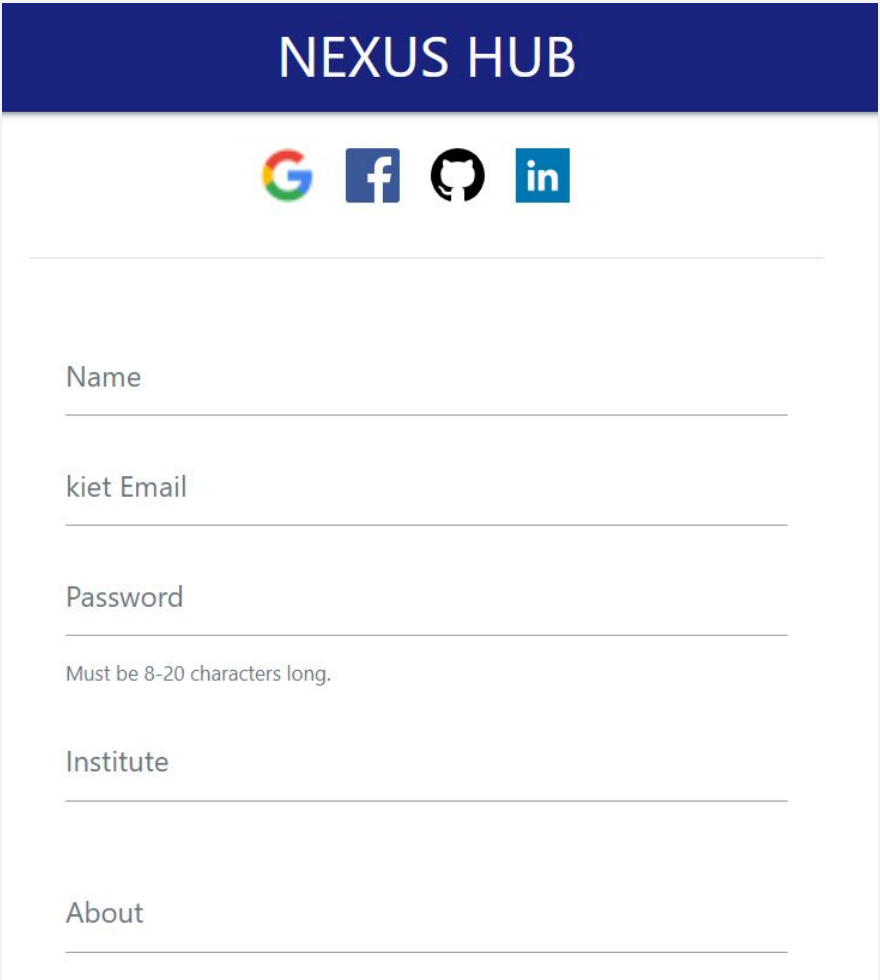
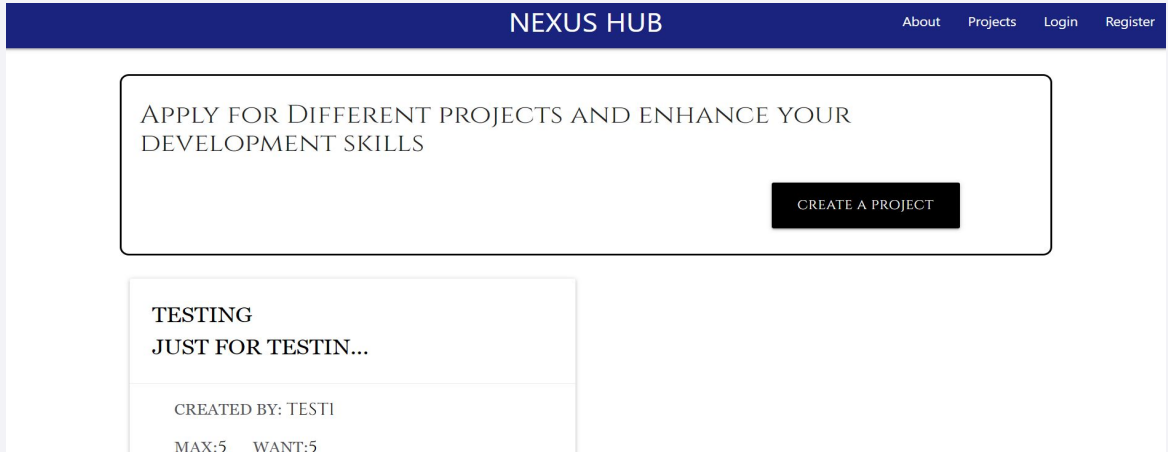
Paper ID: 281

Paper Title: Nexus Hub: Online Integrated Platform for Student Projects

Abstract:

The conventional approaches to managing college-level student projects often encounter many challenges that can hinder the overall effectiveness of collaboration and communication among students and faculty. These include uncoordinated communication, significant gaps in the sharing of ideas, and the absence of centralized tools for project management. Nexus Hub emerged as an innovative web-based platform designed to address the complexities of student project management in response to these issues. It not only tackles the aforementioned communication barriers but also creates a dynamic space for collaboration and visibility, allowing students to showcase their work in a cohesive environment. Nexus Hub provides a whole suite of essential tools, that allows users to create rich project profiles, connect with potential team members, build cohesive teams, assign tasks effectively, and integrate with GitHub for the purpose of candidate evaluation. Built with ReactJS,

# Project



[Link](#)

**Thank**

**You**