LICT Project Management System

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LICT PROJECT MANAGEMENT

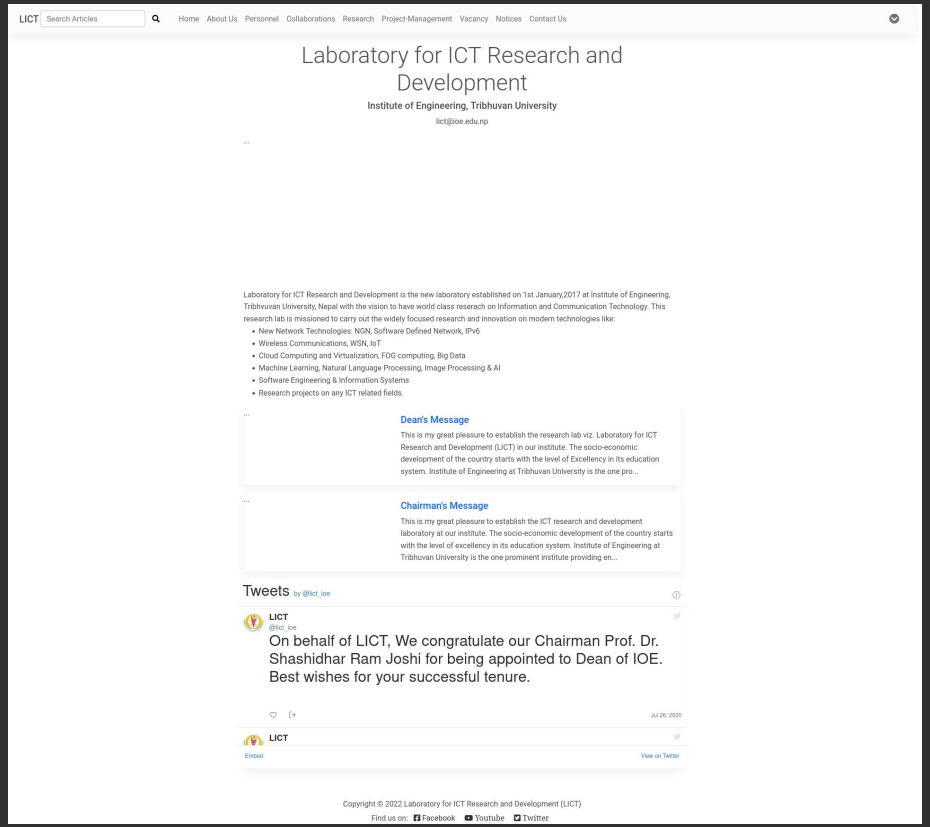
Introduction

Laboratory for ICT Research and Development is the new laboratory established on 1st January,2017 at Institute of Engineering, Tribhuvan University, Nepal with the vision to have world class research on Information and Communication Technology. This research lab is missioned to carry out the widely focused research and innovation on modern technologies like:

- New Network Technologies: NGN, Software Defined Network, IPv6
- Wireless Communications, WSN, IoT
- Cloud Computing and Virtualization, FOG computing, Big Data
- Machine Learning, Natural Language Processing, Image Processing & AI
- Software Engineering & Information Systems
- Research projects on any ICT related fields.

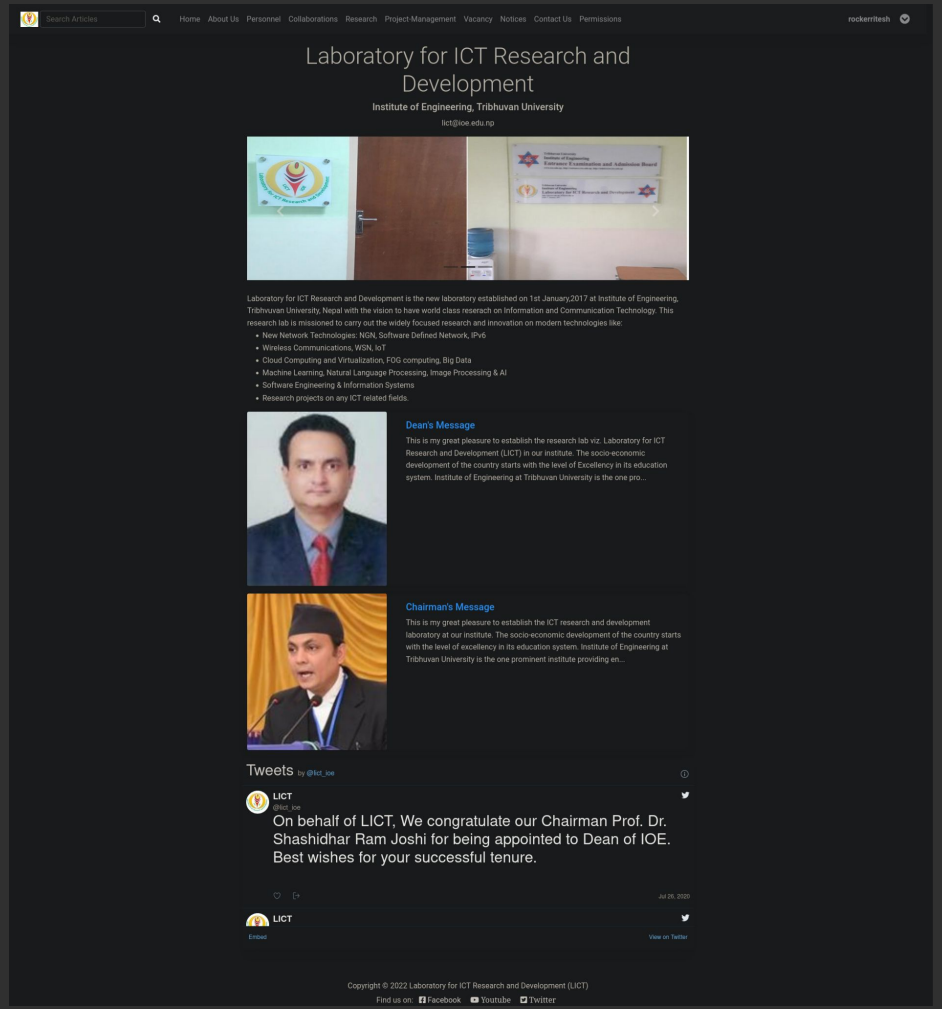
Initial

- Lack of Static Files
- No server based Database



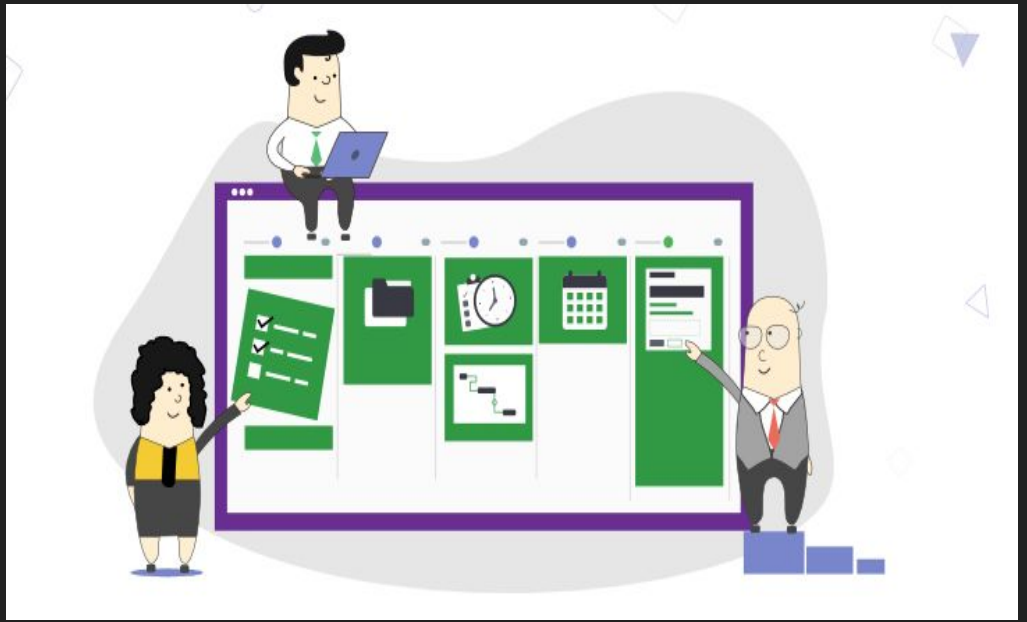
Final

- Addition of Static Files
- Server based Database



Project Management System

A project management system(PMS) is a combination of methodologies and technologies that assist you with the planning, organizing, and scheduling of everything that contributes to the success of a project.



Ongoing Projects

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Int'l Standard Web Portal Development Initiation in Tribhuvan University

evelop standard and fully dynamic web templates for university center, campuses/centraldepartments, research centers and faculties/departments. Develop full features content management system (CMS) for all developed web templates. Implement integrated website of TU including its all bodies and strengthen the content creation, management and visualization. The web system will be developed based on the features highlited in Figure 1

VIEW DETAILS

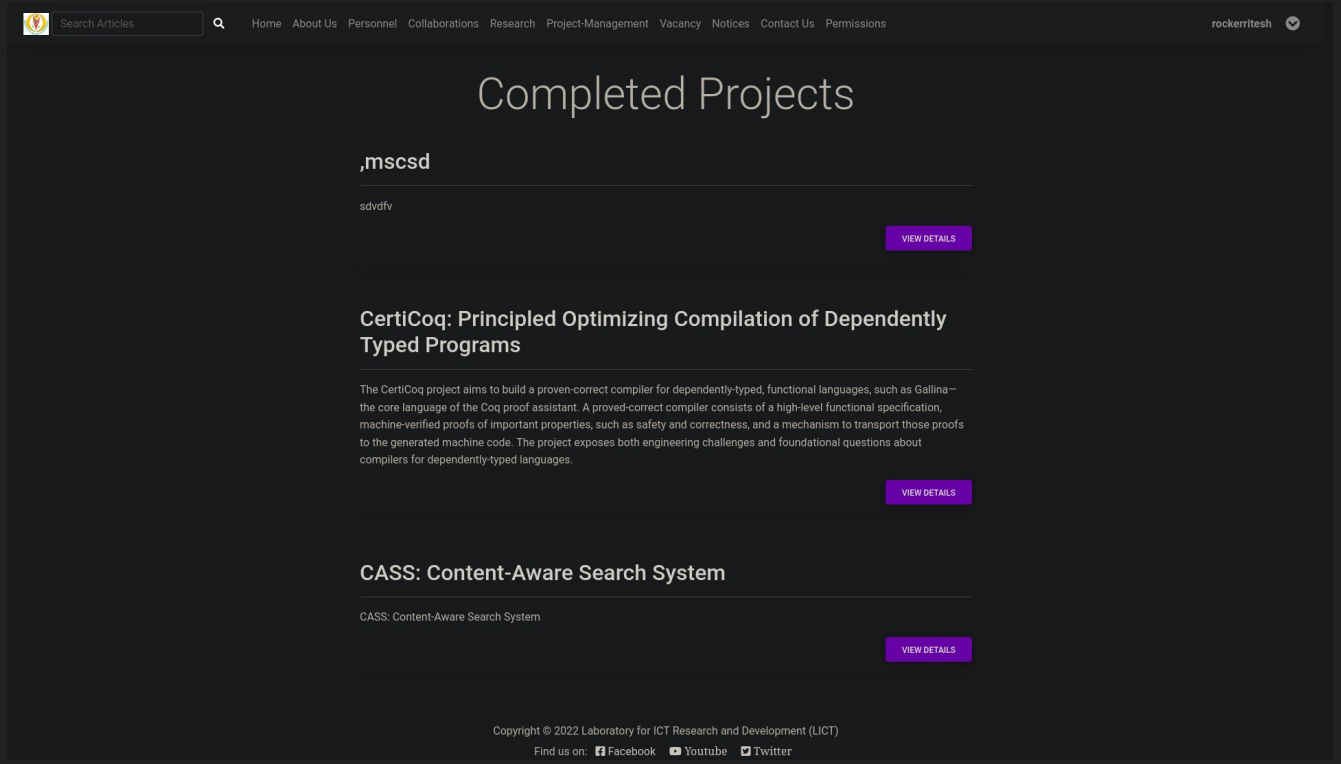
Development of Smart Irrigation System for:Optimization of Water use and Increasing Crop Yield (SISO-WAY)

Agriculture in Nepal has long been based on subsistence farming. Approximately two third of the population is involved in agriculture, which constitutes 34 percent of GDP. The seasonal nature of farming leads to widespread underemployment, but programs to grow cash crops and encourage cottage industries have had some success over the years. Population increase and environmental degradation have ensured that the minimal gains in agricultural production, owing more to the extension of arable land than to improvements in farming practices, have been canceled out.

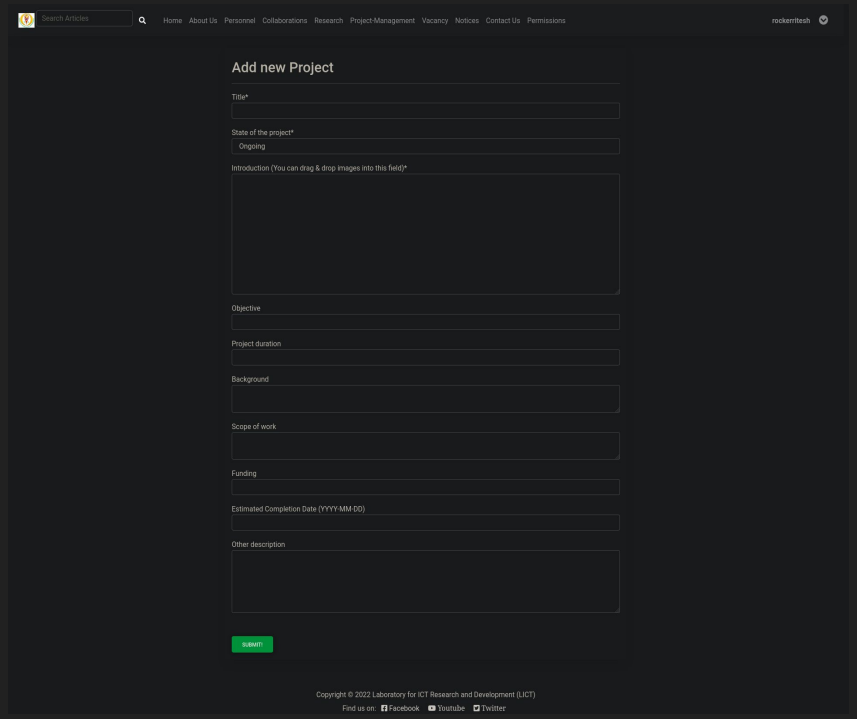
The main challenge for our irrigated agricultural sector is to increase water use efficiency to result in increase in the productivity of land and water in a sustainable way (more crops per drop per hectare). It is important to optimize the available resources to achieve maximum return. Towards this goal, new technologies need to be applied to provide an optimal

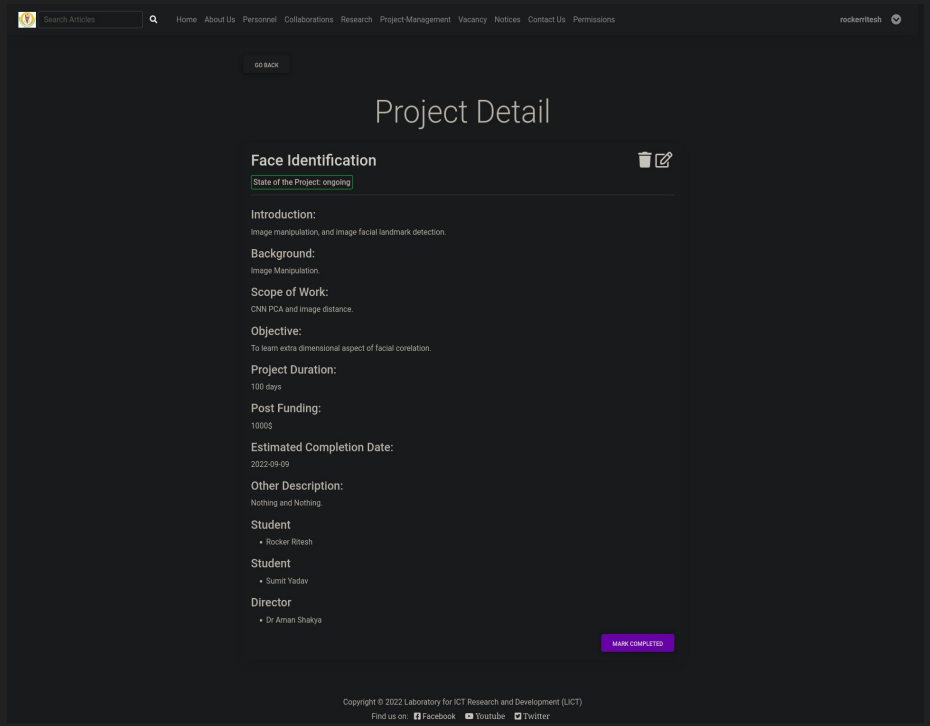
VIEW DETAILS

Completed Projects

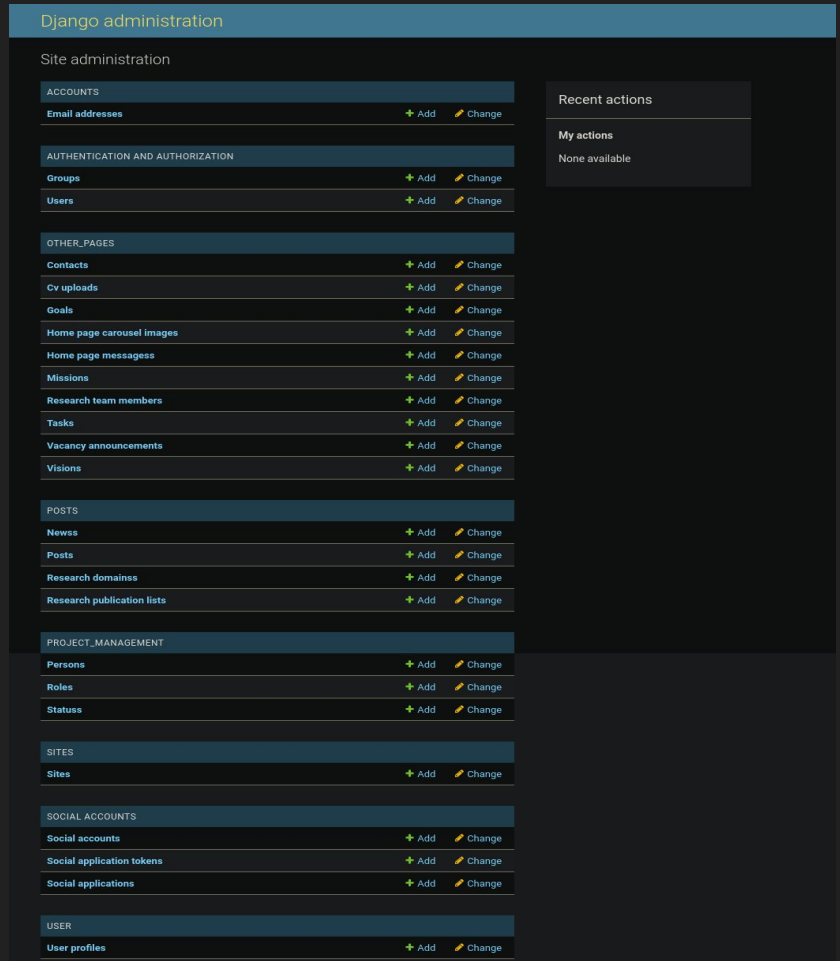


Demo :- Create New

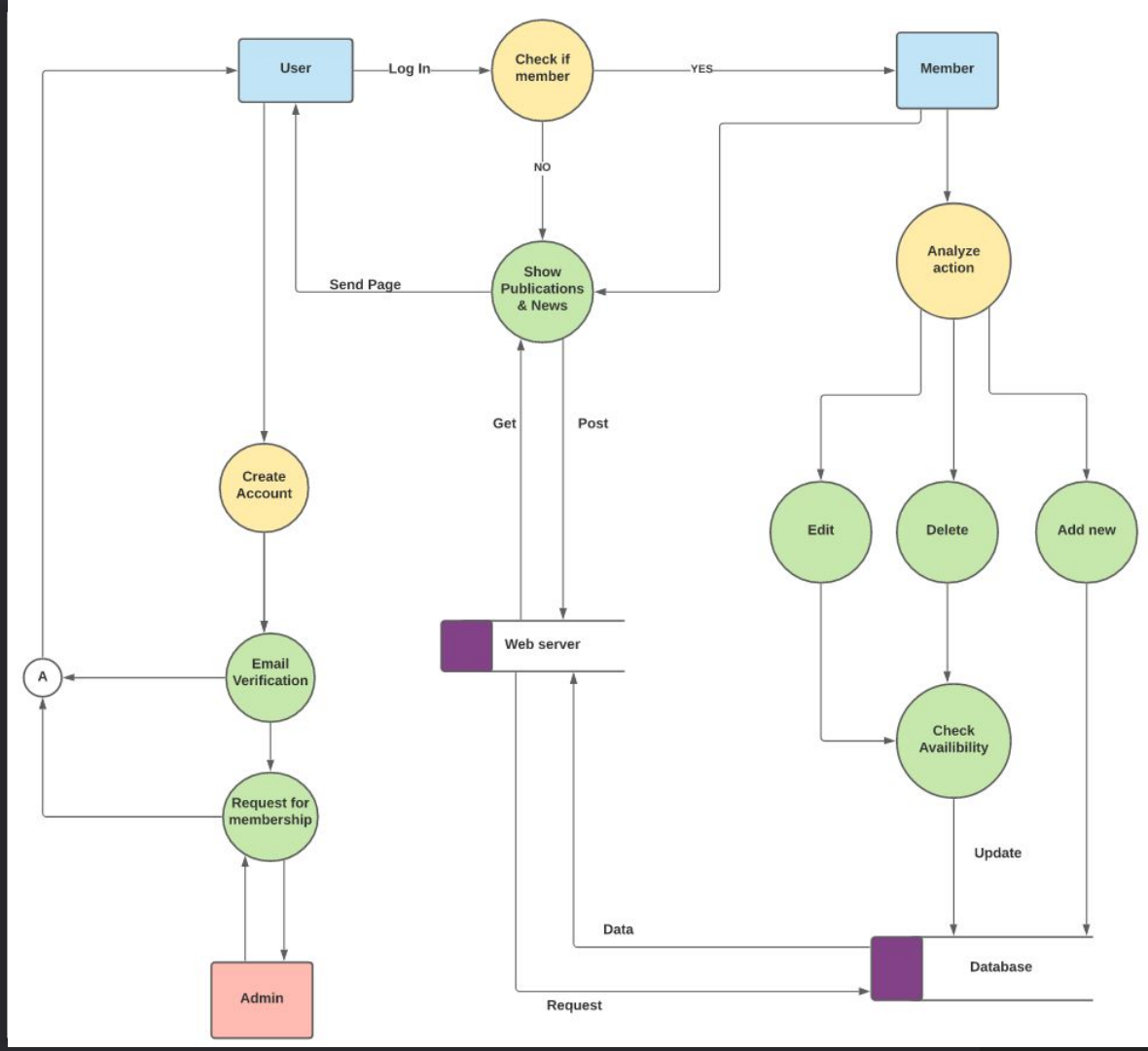




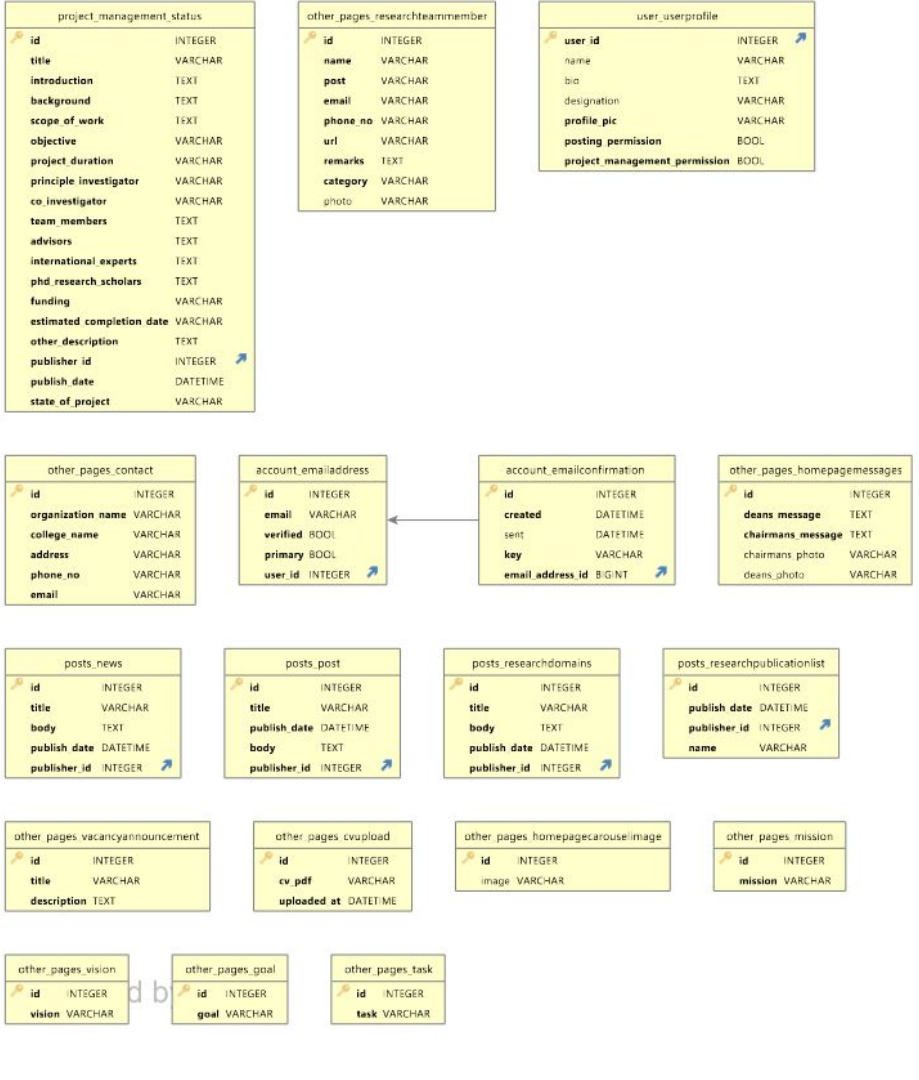
Admin Page


Django administration
Site administration
ACCOUNTS
Email addresses + Add Change
AUTHENTICATION AND AUTHORIZATION
Groups + Add Change
Users + Add Change
OTHER_PAGES
Contacts + Add Change
Cv uploads + Add Change
Goals + Add Change
Home page carousel images + Add Change
Home page messagess + Add Change
Missions + Add Change
Research team members + Add Change
Tasks + Add Change
Vacancy announcements + Add Change
Visions + Add Change
POSTS
Newss + Add Change
Posts + Add Change
Research domainss + Add Change
Research publication lists + Add Change
PROJECT_MANAGEMENT
Persons + Add Change
Roles + Add Change
Statuss + Add Change
SITES
Sites + Add Change
SOCIAL ACCOUNTS
Social accounts + Add Change
Social application tokens + Add Change
Social applications + Add Change
USER
User profiles + Add Change
Recent actions
My actions
None available

Data Flow Diagram



ER Diagram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background TEXT
scope_of_work TEXT
objective VARCHAR
project_duration VARCHAR
principle_investigator VARCHAR
co_investigator VARCHAR
team_members TEXT
advisors TEXT
international_experts TEXT
phd_research_scholars TEXT
funding VARCHAR
estimated_completion_date VARCHAR
other_description TEXT
publisher_id INTEGER
publish_date DATETIME
state_of_project VARCHAR
other_pages_researchteammember
id INTEGER
name VARCHAR
post VARCHAR
email VARCHAR
phone_no VARCHAR
url VARCHAR
remarks TEXT
category VARCHAR
photo VARCHAR
user_userprofile
user_id INTEGER
name VARCHAR
bio TEXT
designation VARCHAR
profile_pic VARCHAR
posting_permission BOOL
project_management_permission BOOL
other_pages_contact
id INTEGER
organization_name VARCHAR
college_name VARCHAR
address VARCHAR
phone_no VARCHAR
email VARCHAR
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email VARCHAR
verified BOOL
primary BOOL
user_id INTEGER
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id INTEGER
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sent DATETIME
key VARCHAR
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deans_message TEXT
chairmans_message TEXT
chairmans_photo VARCHAR
deans_photo VARCHAR
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publisher_id INTEGER
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other_pages_task
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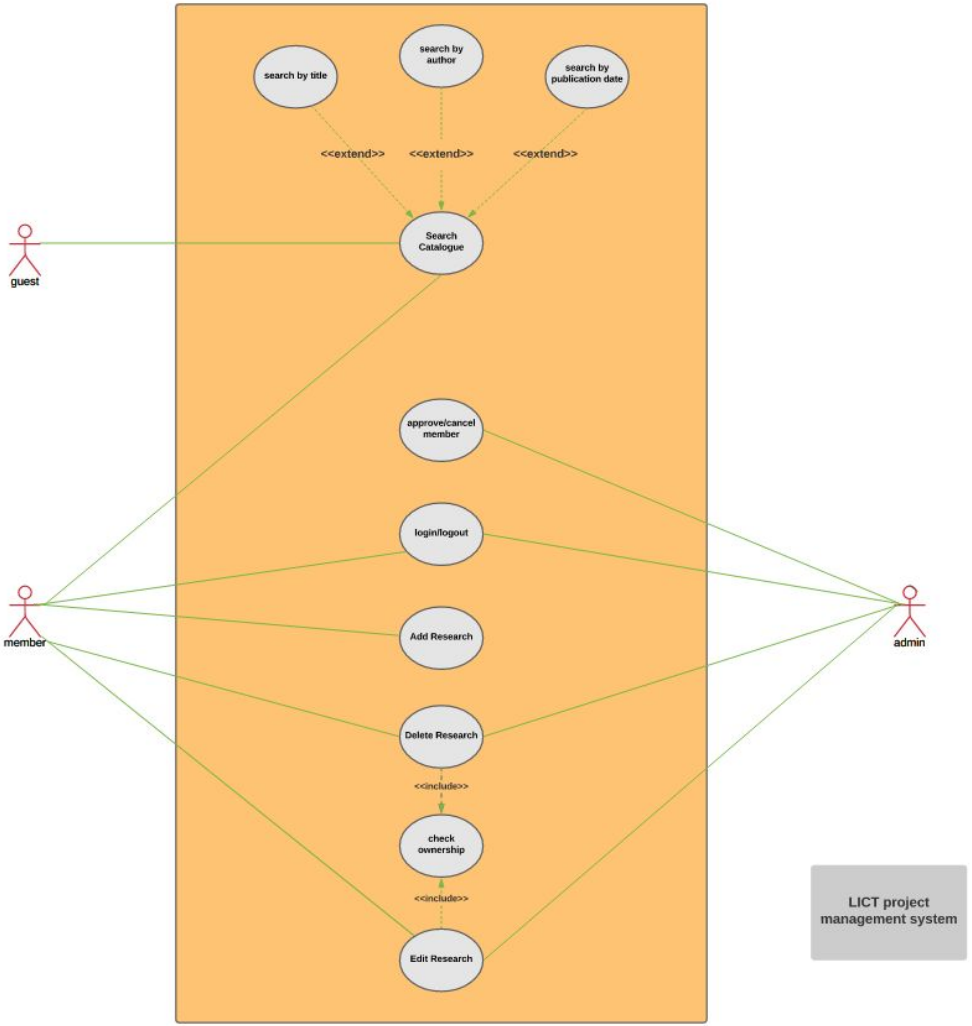
task VARCHAR

Use Case Diagram



Conclusion

We made a few necessary changes like addition of admin login page, management of static files on the existing LICT project management website. We are thankful to all our friends, seniors and teacher for their immense support and guidance throughout the project.

Deploy at:- https://wisesteelblueprioriity.rockerritesh.repl.co

THANK YOU!!