



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE
(All Programs Accredited by NBA)

Department of Information Technology



Janasevakam

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Project Guide and Co-guide
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Introduction

Problem Identified :

- **Lack of Awareness.**
- **Lack of Dedicated Leadership.**
- **Inadequate Trained Personnel.**
- **Monopolization of Leadership.**
- **Lack of Public Participation.**
- **Lack of Coordination.**
- **Lack of Volunteerism/Social Work among Youth.**
- **Non-Existence of Common Platform for Communication between People, Non-Government Organizations and for Non-Government Organizations to Collaborate across the country.**

Solution Proposed :

- **Building a website cum installable progressive web app where society helping organization can collaborate with efficiency.**
- **Also make it easier for organization's like APSIT-NSS, APSIT-Lakshya to collaborate with other social organization's.**

OBJECTIVES

- **To implement backend using NoSQL.**
- **To implement task recommendation using TensorFlow.**
- **To implement frontend for our web-app using React.js and Bootstrap.**

Problem Definition

- **To design and develop progressive web-app which serves as a common platform of communication between NGO's across country and connecting people to several social organization's who are willing to make society a better place to live.**

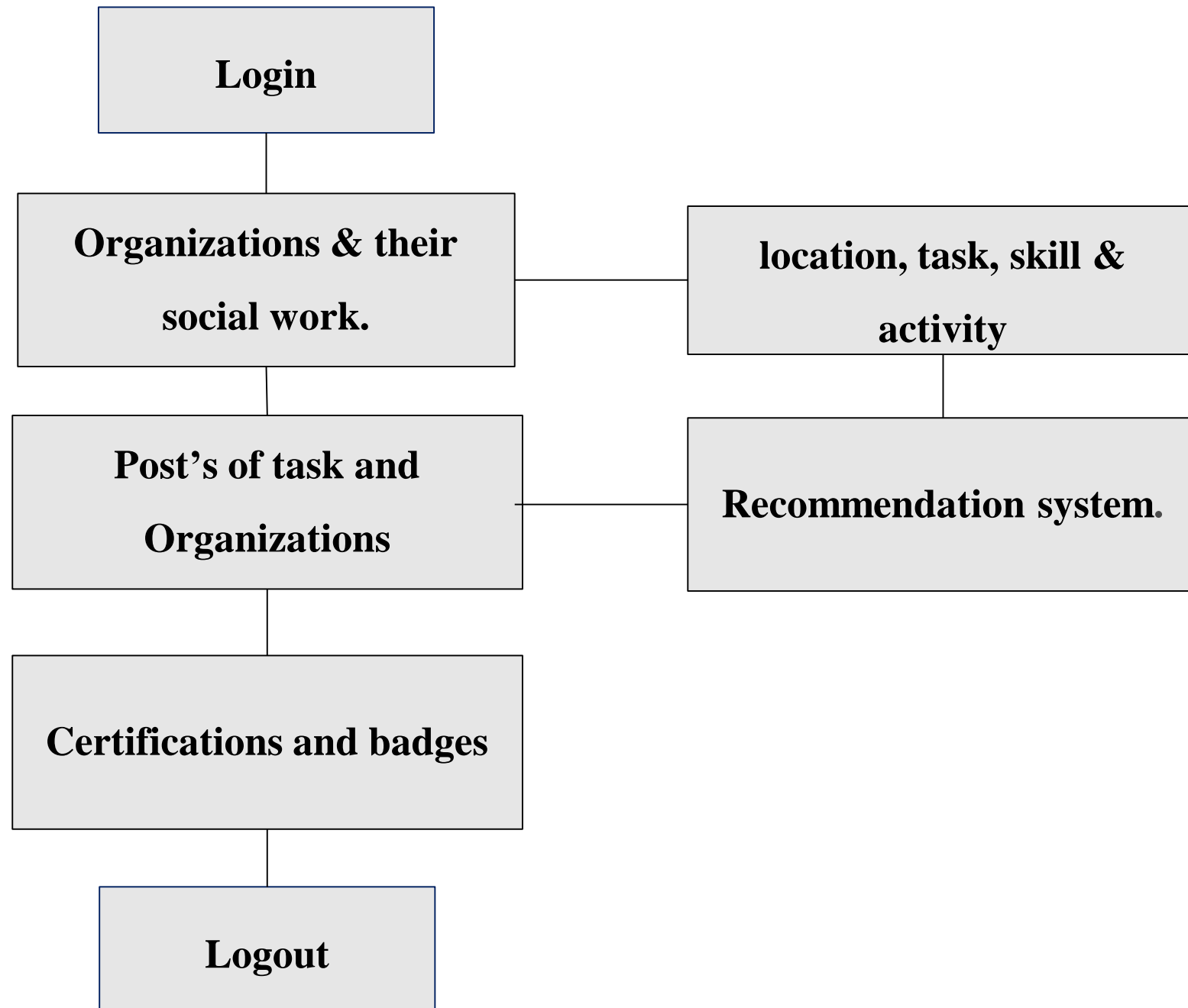
Technology Stack

- **React – In our project we have used React to implement UI. It has also been used to develop SPA.**
- **Bootstrap – In our project it gave us the ability to easily create responsive designs.**
- **TensorFlow – It is used in our project to implement social work recommendation system.**
- **NoSQL- In our project it has been used to store and retrieve data quickly and easily.**

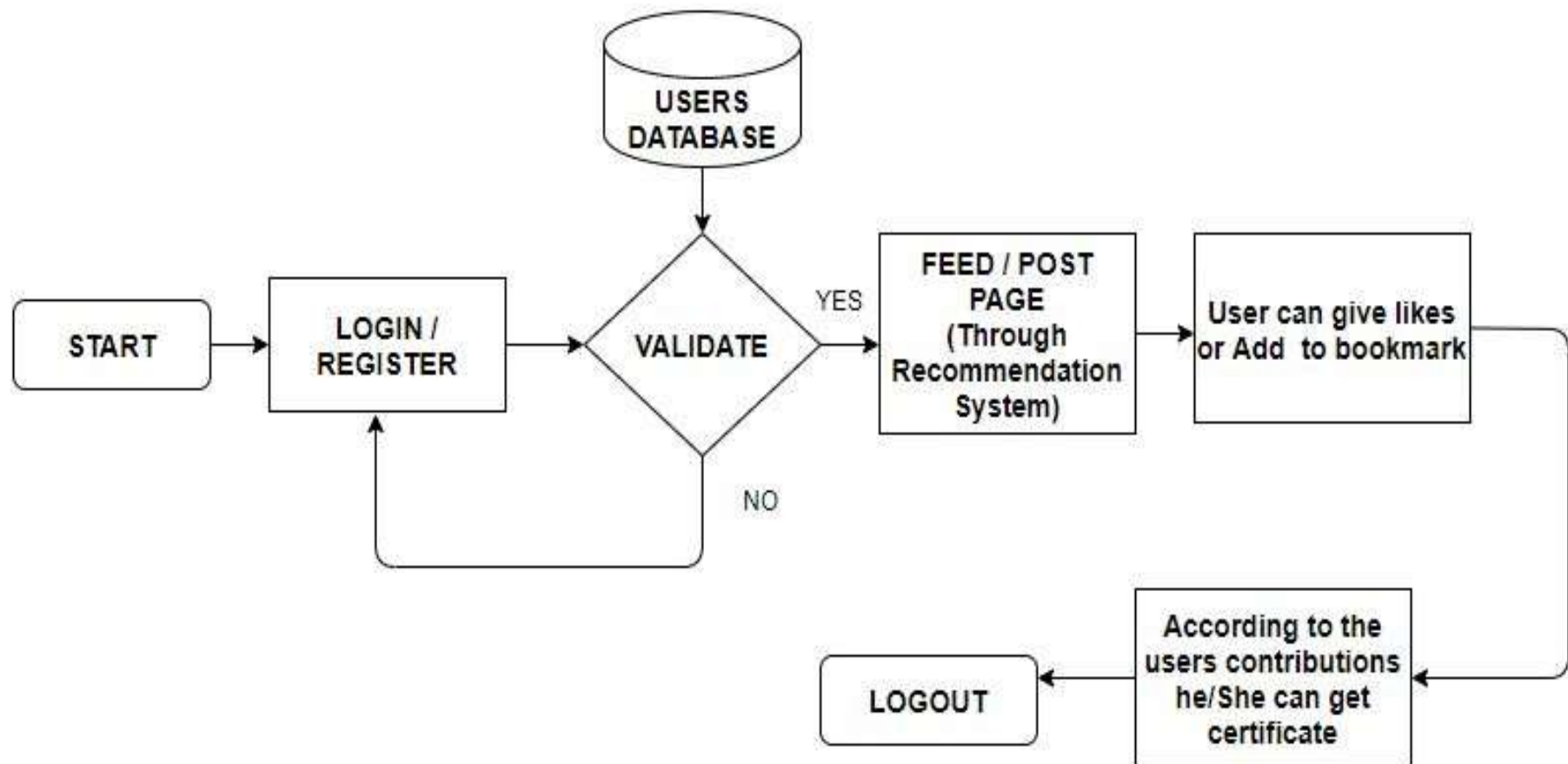
Review Suggestions

- **Implementing machine learning algorithm that will recommend registered users about upcoming NGO task ,events etc.**
- **To Design Responsive and Dynamic User Interface.**

Proposed System Architecture/Working



Users End Block Diagram



Prototype Design Demonstration

- **In progress....**
- **<https://jssocialmediapp.netlify.app>**

Implementation Status

- Designed rest API express backend.
- Implemented authentication and other routes in express.
- Implemented rest API in express.
- Designed Frontend for the PWA.
- Creating reactive and responsive Frontend.
- Integrating frontend and backend.
- Hosting express server on cloud(heroku).
- Host react app on cloud(netlify).

Status of Paper Draft & Targeted Conference

- **Targeted Conferences:**

- 3rd International Conference On Emerging Technologies In Data Mining And Information Security

More Details : <http://iemschoolofit.in/iemis/#Reg>

- 5th International Conference on Intelligent Sustainable Systems (ICISS 2022).

More Details : <http://icoiss.com/2022/index.html>

- 2nd International Conference on Ubiquitous Computing and Intelligent Information Systems.

More Details : <http://icuis.in/2022/>

Thank You...!!