

## **ICS PROJECT 1: CONCEPT NOTE**

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### **Project Overview**

A student internship and job placement platform designed to connect students with verified internship opportunities. It allows organizations to post and manage their job vacancy listings. This aims to simplify the internship process from application and review to selection and recruitment, for both employers and students

### **Core Functionality (CRUD operations)**

- **Create:** Organizations can post internships and students can create profiles and submit applications.
- **Read:** Students can search for internships and the organizations can review applications.
- **Update:** Students can update their profiles and application statuses and organizations can edit internship offers.
- **Delete:** Organizations can remove closed internships and students can withdraw applications or delete their profiles.

### **Target Users**

This platform targets university students looking for internships and employment opportunities and organizations offering internships, aiming to bridge the gap between academics and real work experience.

### **Key Features**

- User authentication and role-based access (student vs organization)
- Internship search and filtering by skill, duration and location
- Application tracking and real-time status updates
- Document uploads (e.g., resumes, offer letters, verification IDs)
- Organization verification for secure and trustworthy listings

## Technical Approach

The system will use **React** for the frontend and **Node.js with MongoDB** for the backend. **JSON Web Tokens (JWT)** will be used to manage secure authentication and role-based access control for students and organizations.