

# **SRS DOCUMENT**

## **Project Title:**

EdTech Hub

## **Name:**

Raghav Heda

## **Register Number:**

2443154

## **Course Name and Code:**

Full Stack Development, BCA261-2

## **Submission Date:**

02/01/2025

---

## **1. Introduction:**

- **Purpose:**

This project seeks to design a website that will avail on one platform consolidated information on different companies and startups for easier access by users who seek to have key details about any tech company without necessarily visiting their websites. The platform will provide about company overviews, core products, career opportunities, internships, and technologies used. This platform will also feature real-time stock prices for public companies and freelancing opportunities within the tech industry.

- **Scope:**

This website will provide information on well-established companies and startups, but with a particular focus on technology companies. This information will be tailored to help students at the undergraduate level majoring in technology-related fields undergraduate what careers, technologies, and environment each company has to offer. It will also contain sections on internships, career paths, freelancing, real-time stock market data and recent happenings in the technology sector.

- **Stack Description:**

The app will involve HTML, CSS, JavaScript, and a backend framework like Django or Node.js. The information will be held in a SQL-based database.

---

## 2. Overall Description:

- **Requirement of this Web Application:**

- The website should be user friendly, responsive, and optimized for desktop and mobile.
- They must show user detailed information on the various technology companies, startups, and available career opportunities.
- A search feature should be included that would allow user to quickly identify companies and their details.
- Material should be refreshed regularly to include recent news, products and opportunities that reflect companies.
- A freelancing section should provide details about available freelance opportunities within companies.

- **Module Description:**

- **Company Profile:** Displays the company overview, mission, products, technologies used, and key people.
- **Career Opportunities:** Lists internship and job openings, including positions, required skills, and hiring processes.
- **Recent News:** Keeps updated information about the company, while includes product launches, acquisitions, and partnerships.
- **Internship Programs:** Highlights the availability of internships, experience for students.
- **Freelancing Opportunities:** Provides a guide to freelancing, platforms for freelancers, and tips on starting a freelance career in tech.

- **Sub-Modules Description:**

- **Company Overview:** Mission and Vision, founder details, leadership's team, and core technologies.
- **Job Roles & Career Paths:** Entry-level job positions, required skills, and potential career growth.
- **Internships Opportunities:** Types of internships, mentorships, learning opportunities, and application procedures.

- **Freelancing Guide:** Platforms like Upwork, Fiverr, and Freelancer for tech-related freelance jobs. Includes tips on building a portfolio, setting rates and managing clients.
- 

### 3. Functional Requirements:

- **Software Requirements:**
    - **Operating System:** Windows, macOS, or Linux
    - **Frontend Technologies:** HTML5, CSS, JavaScript
    - **Backend Technologies:** Node.js
    - **Development Tools:** Visual Studio
  - **Hardware Requirements:**
    - **Processor:** Intel i5 or higher
    - **Ram:** 8 GB or higher
    - **Disk Space:** 50 GB
    - **Network:** High speed internet connection for hosting
- 

### 4. Table Description and Data Flow Diagram:

- **Table Description:**
  - **Companies:** Company Name, Founded Date, CEO, Products/Services, Technologies Used, Industry Type, Location.
  - **Internships:** Company Name, Role, Duration, Skills Required, Application Process.
  - **Job Openings:** Role, Company Name, Required Experience, Skills Required, Application Process.
  - **News:** Title, Date, Content, Related Company.
  - **Freelancing Opportunities:** Platform Name, Job Role, Skills Required, Link to Platform.

- **Data Flow Diagram:**

- **Level 0:** Shows the overall flow of data from users interacting with the website to retrieving and displaying data from the backend database.
  - **Level 1:** Describes how the user interacts with specific modules such as Company Profiles, Career Opportunities, Internship Listings, Stock Prices, and Freelancing Opportunities.
- 

## 5. Non-Functional Requirements

- **Performance:**

- The website should load in 5 seconds for an average internet connection.
- All media content must be optimized to ensure minimal impact on load times.

- **Security:**

- Admin panel with authentication.

- **Compatibility:**

- The website must be responsive and compatible with devices of varying screen, sizes, including (Mobile phones, Tablets, Desktops).
  - The website should be compatible with popular operating systems such as (Windows, macOS, Android, iOS).
- 

## 6. Other Requirements:

- **Content Updates:**

- Content must be updated in every 3 months.
- Stock price data should be updated in real time or hourly, depending on API limits.

- **Deployment Requirements:**

- To ensure scalability and availability, the website should be deployed on a reliable hosting platform (e.g., AWS, Google Cloud, or Azure).

- **Documentation:**

- Maintain version-controlled documentation to reflect any updates or changes in the system.