**Bytexl’s guided projects**

Build job relevant skill sets by developing solutions to practical use cases

Bytexl’s educators have created specialised guided projects so you can practice current technology languages / software’s such as Node,React,MongoDB, Express(MERN)

Educators should create a Guided Project for students to execute on the Bytexl App. Students should be able to complete the project in a short duration of time 39 Hours and the use case chosen should enable them to attend interviews with confidence.

Educators should create a project scenario which will enhance the job relevant skills as they guide the project through with a specially created hands-on experience available on Bytexl’s app.

Note: Placeholders have been created for educators to appropriately fill in the relevant details

Guided projects should be created with the following content:

Project based learning course overview:

About the project:

Student-Recruiter Connection Platform is a revolutionary digital solution designed to bridge the gap between academic talent and industry recruiters. The platform facilitates seamless communication, provides real-time industry updates, and streamlines the recruitment process through innovative features including multi-email capabilities and curated opportunity listings.

Prerequisites:

* **Node.js** (v14.x or later)
* **npm** (v6.x or later) or **Yarn** (v1.x or later)
* **MongoDB** (installed locally or using a cloud provider like MongoDB Atlas)

What will you learn?:

* + In this project you will be able to create multiple auth portal
  + You will be able to apply the concept of React and Redux
  + You will be learning end to end development of a web

Skills you will practice:

* **Node.js** (v14.x or later)
* **npm** (v6.x or later) or **Yarn** (v1.x or later)
* **MongoDB** (installed locally or using a cloud provider like MongoDB Atlas)
* **Tailwind (CSS Framework)**

How to execute? Your learning platform:

Practice new skills by completing job-related tasks

No downloads or installation required. Use your Nimbus access to access all the tools.

Use Nimbus on Bytexl’s platform:

Learn, practice and enhance job relevant skills in just 3 hours Receive detailed instructions from instructors

* + - * + Gain hands-on experience solving real-world case studies
        + Enhance your confidence with solutions developed on Nimbus using the latest tools and technologies

Learn step-by-step:

In this guided project, you will find your educator giving you a walk-through to complete your project in 20 hours.

Structure for educators:

How to create the use cases for students to practice?

Instructions:

Welcome to GradConnect. This is a guided project which will take about 34 Hours to complete.

Here are the course objectives and structure:

Objectives of Student-Recruiter Connection Platform

In this project, we will focus on the following objectives:

Objective 1: Enhance Student Access to Employment Opportunities

Provide students with a comprehensive, easy-to-navigate platform that aggregates internship and job listings from various companies. This objective aims to make the job search process more accessible and efficient for students seeking to kickstart their careers.

Objective 2: Streamline Communication Between Students and Recruiters

Enable a multi-email communication system that allows students to directly contact HR representatives of multiple companies. This feature will simplify outreach, help students apply to various positions in one go, and increase engagement with potential employers.

Objective 3: Deliver Real-Time Industry Insights and Updates

Integrate a real-time company news aggregation system to provide students with the latest industry updates and trends. This objective helps students stay informed about companies, allowing them to better prepare for interviews and make informed career choices.

Objective 4: Facilitate Tracking and Analytics for Application Progress

Offer automated application tracking that allows students to monitor the status of their job applications, including responses and follow-ups from recruiters. This objective provides a structured way for students to keep track of their applications and improve their job search strategy.

Objective 5: Strengthen Recruiters' Access to Qualified Candidates

Create a qualified talent pool accessible to recruiters, enabling them to screen and identify top candidates quickly. By providing recruiter-specific features such as applicant screening tools, the platform will make it easier to connect students with employers efficiently.

Objective 6: Support Educational Institutions with Placement Tracking and Analytics

Collaborate with educational institutions by offering tools that track student placement rates and enhance their career services. This objective aims to strengthen industry partnerships, improve placement metrics, and support schools in tracking student employment outcomes.

Objective 7: Build a Scalable and Secure Platform

Design the platform with scalability and security in mind, ensuring it can handle growing user numbers while safeguarding data. This objective focuses on utilizing cloud-based architecture, data encryption, and best practices for data security to support a sustainable, trustworthy platform.

By the end of this project you will be able to Create A proper Web Application with authentication and authorization and also you will be learning about different tools and technologies which is integrated to this project.

You will deploy the project on the Nimbus Platform using tools / platforms

Course Structure:

This course is divided into 3 parts:

Course overview: This is the introductory reading material.

Project structure:

The hands on project on Grad Connect is divided into following tasks:

Task 1: Clone the project in your local system according to the user guide

Task 2: install required dependencies

Task 3: add database Uri

Task 4: start running the project and customize it according to you

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Meet your educator:

Hi I am **Jeet Kumar Jha** and I will be your instructor for your course. I have about 3 Year of experience in WEB Development. I have worked in TCS , Techademy etc. I also work with different business organizations for there individual project on web development . I have a Bachelor’s degree in Computer Science and Engineering . Apart form these I have my own Freelancing Business in Software Domain . When I am not teaching I use to enjoy and interact with my older code for learning something ,more.

Welcome to the Guided Project!

About the Nimbus Platform:

Earn a Certificate: After you have completed the **GradConnect** hands-on project, you should complete the Quiz to assess your knowledge. You will earn a certificate if you score 80 % or more

References:

Educators can access the links given below or any other resource for sample use cases and a basic understanding of how to create the project scenarios

| **Sl. No.** | **Some References for educators** |
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