# NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES


**COURSE**: Applied Recommender System (AI4006)

**PROJECT TITILE**: Job Searches Recommender System

## GROUP MEMBERS:


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## Introduction:

The proposed project aims to develop a recommendation system for online job search platforms, such as LinkedIn and Indeed, to provide personalized job recommendations to users based on their skills and experience.

## Dataset:

The dataset to be used in this project is the "Job Skills" dataset from Kaggle. This dataset contains the following columns:

Title: The title of the job
Category: Category of the job
Location: Location of the job
Responsibilities: Responsibilities for the job
Minimum Qualifications: Minimum Qualifications for the job
Preferred Qualifications: Preferred Qualifications for the job

## Ratings:

The recommendation system will use user data such as job history, education, and skills to recommend job postings that best match the user's qualifications and interests. The system will also consider job postings that are currently trending in the user's field of interest.

## Techniques:

The following techniques will be used to develop the recommendation system:

Collaborative filtering: Collaborative filtering will be used to identify job postings that are similar to the user's past job searches and applications.

Content-based filtering: Content-based filtering will be used to identify job postings that are similar to the user's skills and experience.

## Undertaking:

We pledge to not use any dishonest means at any stage of the project. We will ensure the privacy and security of user data by using encryption and other security measures. We will also ensure that the recommendation system does not discriminate against any user based on race, gender, age, or other factors. Finally, we will conduct thorough testing and validation of the recommendation system to ensure its accuracy and fairness.