**MINI PROJECT – II**

**(2018-’19)**

**“Recommendation Engine”**

**SYNOPSIS**



**Institute of Engineering & Technology**

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**About the project:**

We have named our project “QBee”, which is an acronym for **“Query Bot”**. Our aim is to develop a chat bot that will resolve the queries of students of freshman year at GLA University, Mathura.

All the queries related to academics, hostel and administration like the office hours of faculties, their cabin number; queries related to the issuing of books in the library; queries related to fees submission and documentation; queries and information related to various clubs and various sports departments, etc.

This project will be based on the concept of neural networks and to be more specific this project will be application of deep learning through neural networks designed by us using custom models, libraries and algorithms. After creating the model and getting an acceptable training and testing accuracy the model will be embedded to an Android app.

**Motivation:**

The project will be primarily focused towards training the model with optimal F1 score.

It will be further tested on different clusters of testing data.

**Future Prospects:**

The project can be deployed on a website or any other platform. Following the features & labels extracted in a proper manner our model will deliver the best possible suggestions to the user to solve the required questions/problems as per their expertise.

**Requirements:**

**Hardware:**

* 8 GB Ram or more
* Intel i3 6th Generation (Minimum)
* Nvidia GeForce or better
* If neglecting the above requirements then a powerful cloud environment is required.

**Software:**

* Anaconda Package v4.4.4
* Python v3.6
* Scikit-Learn
* Google Colab

Signature of Project Supervisor:

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