# SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY SOFTWARE ENGINEERING DEPARTMENT

**ARTIFICIAL INTELLIGENCE (SWE-314) PROJECT PROPOSAL FORM**

Submission Due Date: 17th January, 2020

Section: D Batch: 2018\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of Students: 4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group Members Information:

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| --- | --- | --- | --- |
| **S. No.** | **Student Name** | **Roll Number** | **Signature** |
| 1. (GL) | Shaheer Akber | 2018-SE-181 |  |
| 2. | Bisma Manzoor Ali | 2018-SE-165 |  |
| 3. | Neha Jafar | 2018-SE-204 |  |
| 4. | Mahrukh Khan | 2018-SE-182 |  |

Project Title:

Personal Nutritionist

Project Description:

A system that can act as a personal nutritionist. The FatSecret API enables the user to fetch information in a number of ways. The following are the 3 main modules of the system:

-Food Description: It lets the user know about various nutrients present in a food item. These results are obtained through the API after a food item is searched. The API matches the keyword and shows multiple outputs.

-Recipes: This column helps in adding recipes, viewing added recipes or searching recipes directly using the API.

-Diet Plan: It allows the user to either make his own diet plan or obtain a plan that is automatically generated by the system as a recommended diet plan based on the user’s BDI.

Algorithm/Libraries Selection:

tkinter

pickle

operator

PIL

ImageTk , Image

webbrowser

Fatsecret

datetime

Accepted/Rejected:

Engr. Farheen Qazi Assistant Professor, SED