



# **BAHRIA UNIVERSITY, (Karachi Campus)**

*Department of Software Engineering*

## **PROJECT PROPOSAL**

**Course Title:** Data Mining Lab  
**Course Instructor:** Dr. Salahuddin  
**Lab Instructor:** Engr. Ramsha Mashood

**Course Code:** CSL 452  
**Class:** BSE- 6 (B)

### ***PROJECT TITLE:***

***“Best Algorithm Finder”***

### ***GROUP MEMBERS LIST:***

*Mahnoor Gohar 57239 <Group Leader>*

*Gul Saba 57227*

*Qaiser Abbas 57245*

### ***PROJECT SCOPE:***

*The goal of this project is to examine several ML algorithms for classification and clustering that could adjust to any Dataset and attempt to find which one is more accurate.*

*Our goal with this is to perform some initial data visualization and to determine which Algorithm handles any dataset the best.*

### ***TECHNOLOGIES:***

*Python language including following libraries: pandas, matplotlib, numpy, sklearn.metrics, sklearn.ensemble, sklearn.preprocessing, flask, classifier & clusterer.*

*PyCharm shall be used as IDE to check the output and response.*

*Dataset is available on Kaggle:*

<https://www.kaggle.com/aljarah/xAPI-Edu-Data>

<https://www.kaggle.com/uciml/iris>

*Classification & Clustering Algorithms will be used.*

### ***PROJECT ABSTRACT and FUNCTIONALITIES:***

*In this Best Algorithm Finder, we will use different algorithms for classification and clustering to find the best algorithm among all for any dataset to find more accurate result. So, using this Project, we can overcome the problems that we can face during implementation of algorithms on any dataset and hence can reduce the chances of inaccurate results or less accurate results.*

***MODULE DISTRIBUTION:***

*Mahnoor Gohar (Front end &Implementation of Clustering Algorithms)*

*Gul Saba (Front end &Implementation of Classification Algorithms)*

*Qaiser Abbas (Front end &Implementation of Classification Algorithms)*

**Teacher Signature:** \_\_\_\_\_

**Remarks:** \_\_\_\_\_

**Submission Date:** \_\_\_\_\_