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**Green University of Bangladesh**

**Department of Computer Science and Engineering (CSE)**

**Faculty of Sciences and Engineering**

**Semester: (Summer, Year:2022), B.Sc. in CSE (Day)**

**LAB PROJECT PROPOSAL**

**Course Title: Data Mining Lab**

**Course Code: CSE 424 Section: D4**

**Student Details**

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**Lab Date : \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_**

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

**Course Teacher’s Name : Arpita Das, Lecturer, Dept Of CSE**

**[For Teachers use only: Don’t Write Anything inside this box]**

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| **Project Proposal Status**  **Marks: ………………………………… Signature: .....................**  **Comments: .............................................. Date: ..............................** |

1. **TITLE OF THE PROJECT PROPOSAL**

**Diabetes Prediction Based on Weka and Python.**

1. **PROBLEM DOMAIN & MOTIVATIONS**

This project is about to train dataset into weka and observing the changes on accuracy by applying Decision Tree algorithm and Artificial neural network.

1. **OBJECTIVES/AIMS**

Find the variation of accuracy on Decision Tree algorithm and Artificial neural network and draw 3 graphs in Origin pro:

* Fold number vs accuracy
* Hidden Layers vs accuracy
* Training time vs accuracy

1. **TOOLS & TECHNOLOGIES**

Selecting the dataset and training the data we will use weka 3.8.5 and also, we will use Net beans and lastly, we will use Origin pro 2019 to draw all graphs. Finally for proper diabetes prediction output, we will use Jupyter or colab for python code.

1. **CONCLUSION**

We are intended to draw 3 graphs according to diabetes dataset on weka and analyzed the accuracy for Decision Tree algorithm and Artificial Neural network. Finally for proper diabetes prediction output, we will use python code.