**Project Proposal**

**Lead Institute Detail:**

Institute Name: G.L. Bajaj Institute of Technology and Management, Gr. Noida, Code 192 Email ID: [director@glbitm.org](mailto:director@glbitm.org)

Institute has AKTU approved UG course under which the proposal is requested

**Project Idealised By:**

Mayank Sharma em.mayank01@gmail.com

**Project Title:**

**Diabetes Intellect**

**Focus areas of Proposal: Helping Patient with DIABETES in better blood glucose monitoring.**

**Objectives**

In the present scenario , every group of 11 person is having 1 person with diabetes .

Therefore managing and monitoring blood glucose level in a smart way is much needed.

Diabetes has also leads to various life threatening disease . About 422 million people worldwide have diabetes and it is the leading causes of the death in the world. The majority of diabetes deaths occur in low and middle income country.

The Main Objective of the Project (DIABETES INTELLECT) is to

Providing a economical platform to all the patient to have a long and better diabetic life ahead.

The objective of the proposed project is the:

1. The Development of the Mobile Application .
2. A Proper functional Android As Well as iOS app to reach maximum number of diabetes patient .
3. Intelligent Algorithm set to produce best preferred decision for the diabeic patient .
4. Syncing of reading of blood glucose level to the application log.
5. Web development of the presented idea .
6. Clear , easy , helpful Application Interface.

Expected Outcome :

In the light of changing economic scenario, government policies and institute priorities; this project will have more scope to get the better periodic medical test reports.

Development of an application for the betterment of the daily day to day lifestyleof diabetic patient could result in :-

1. Doctor and Dietician Consultations.
2. Better Blood Glucose Monitoring .
3. Personalised Diet and Exercise Routine.
4. Online Pharmacy and Lab Test that could be easily shareable with Doctors.
5. Sync Fitness Tracker.
6. Smart Cloud Storage.
7. Reminders.
8. Fresh updates.
9. Learn About Diabetes.

# Action plan :

The whole project will be considered for 7 months time period including publication communicated to the relevance field. The following action plan will be adopted to complete the proposed project in the following manner:

1. A Small Survey for the starting 10-12 days gathering the information about the medication and exercise routine of the patient with diabetes .
2. Another one month will be required to design the algorithm that will be implemented onto the data received on the data log after continuous blood glucose reading received from patient.
3. Another two month will be required to design the Android App Platform onto which data is feed from glucometer itself using an iot sensor and arduino system. and through machine learning & data science the work of data analyzing would take place.
4. Another two month will be required to design the ios App Platform onto which data is feed from glucometer itself using an iot sensor and arduino system. and through machine learning & data science the work of data analyzing would take place.
5. 20-24 days are required for the web development of the project.
6. After the Completion of the app development and web development one month software testing time is required after which the product is ready to used and available at all user app store.

# Project Outcome:

The project will include the complete solution for the diabetic patient i.e in medication, personalised diet and doctor consultation , regular blood sugar monitoring , best exercise routine for patient. and help them achieving better periodical medical test report.

**Cost Estimation:**

**1. Project Management**

**1.1 Project Labour and Team Member 100000**

**2 Hardware 30000**

**3 Software**

**3.1 Database 20000**

**3.2 Third party software or services 30000**

**4. Application Development**

**( Android &iOS app) 300000**

**inclusive of training and data set**

**5. Web Development 60000**

**Total 540000**