**PROJECT: GREENLAB GUARDIAN**

**Ex. No: 1 TO DEVELOP A PROBLEM STATEMENT**

# AIM:

To develop the problem statement for Computer Lab Assistant Software using Argo UML.

# PROCEDURE:

# The problem

The purpose of this project is to develop a Computer Lab Assistant Software that would be capable of generating real-time updates on lab events like unattended lighting, disconnected hardware, and idle systems. Customizable alerts and intuitive admin interface for efficient lab management.

# Affects

# The stakeholders of this application include casual Admin, Authenticator, Lab User, Power supply manager

. The full list of these stakeholders and the specific individuals representing them are.

*Admin*

*Authenticator*

*Lab User*

*Power Supply Manager*

# The impact is

To state the requirements, and to give guidelines for developers.

* 1. **The solution would contain**

Satisfy all client requirements

Error free code

Future enhanceable.

# Key Features

  The Computer Lab Assistance software monitors various aspects of lab operations with precision and efficiency. It detects excessive light levels in the lab without human presence and promptly alerts administrators. Continuous monitoring of hardware connections ensures immediate notification of any detachment, maintaining a comprehensive event log. Additionally, the system alerts administrators to any powered-on systems to prevent unnecessary energy consumption. Leveraging camera technology, it identifies user presence at individual systems and sends alerts if a system remains idle beyond specified durations, with customizable settings for user absence detection.

# OUTPUT:

The Problem statement for the Computer Lab Assistant Software

# RESULT:

Thus the problem statement for the Computer Lab Assistance Software was created.