Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering

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

Battery management system

LAB PROJECT PROPOSAL

Course Title:STRUCTURE PROGRAMMING LAB

Course Code: CSE104 Section:PCDB213

Student Details

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Lab Date : 12-02-2022

Submission Date :18-02-2022

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

Project Proposal Status

Marks: …… Signature: .....

Comments: ..... Date: .....

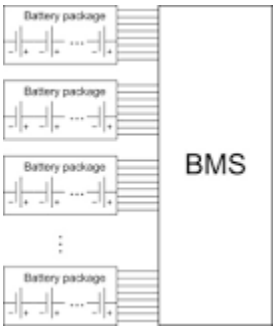
1. TITLE OF THE PROJECT PROPOSAL

Battery management system.

2. PROBLEM DOMAIN & MOTIVATIONS

A potential overheating of the cells might lead to a thermal runaway and therefore rises the safety issues of lithium-ion battery packs. A thermal runaway is an uncontrolled increase in temperature. In lithium-ion batteries it can be triggered by an internal short circuit, physical damage or overheating

3. OBJECTIVES/AIMS



The main goal of BMS is **to keep the battery within the safety operation region in terms of voltage, current, and temperature during the charge**, the discharge, and in certain cases at open circuit.

4. TOOLS & TECHNOLOGIES

A battery management system (BMS) is an electronic regulator that **monitors and controls the charging and discharging of rechargeable batteries**. Battery management systems of various types are used in most devices that use rechargeable batterie