



## **SENIOR DESIGN PROJECT**

# **PRIORITY BASE BILLING SYSTEM CONTROL of SMART PREPAID ELECTRIC METER**

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**Summer, 2020**

# Declaration

This is to declare that no part of this report or the project has been previously submitted elsewhere for the fulfillment of any other degree or program. Proper acknowledgement has been provided for any material that has been taken from previously published sources in the bibliography section of this report.

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# Approval

The Senior Design Project entitled “**Priority Base Billing System Control of Smart Prepaid Electric Meter**” by Nayem Ahamed Rimon(ID#1512248643) and Mohd. Mushfiqur Rahman Mahir (ID#1712436643) has been accepted as satisfactory and approved for partial fulfillment of the requirement of BS in EEE degree program on April, 2020.

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# Abstract

In this report the aim of our work is to reduce or eliminate planned and unplanned power outage or discontinuity of consumer level via switching off the unnecessary equipment's in peak hours based on customer's priority. There are many smart meters developed recently, which have function of energy calculation, billing and sending data to monitory station through wire and wireless communication.

But these smart energy meters are not helpful to reduce load shedding or power outage and meet the energy demand.