



(AIUB)

# AMERICAN INTERNATIONAL UNIVERSITY – BANGLADESH

## Faculty of Engineering

Course Name	Engineering Shop	Course Code	EEE 3110	Semester	Summer 2020-21	Section	D
Faculty	Susmita Afroz						
Assignment	Project Presentation and Demonstration				Group No	07	

### Project Title: Flashing LED'S using 555 IC circuit

Student Name	SHOME,SHOURAV	ID	18-36933-1	Dept	CSE
Student Name	TASNIM, RAHANUMA	ID	18-36952-1	Dept	CSE
Student Name	MUHIT, MOHD. ABIDUR RAHMAN	ID	18-36971-1	Dept	EEE
Student Name	ULLAH, ABU MD ROMIM RUHUL	ID	18-36974-1	Dept	EEE
Student Name	BOSE, BIJOYA	ID	18-37049-1	Dept	CSE

### Marking Rubrics (to be filled by Faculty)

PI	Not Satisfactory (1-2)	Good (3-4)	Excellent (5)	Mark Obtained
<b>Demonstrate Individual Skills</b> <u>P.09.3.A5</u>	Demonstrates very little or almost no individual skills in project implementation.	Moderately demonstrates individual skills in achieving project goal.	Effectively and actively demonstrates individual skills in achieving project goal.	
<b>Demonstrate effectiveness as a member/leader of the team</b> <u>P.09.3.A5</u>	Works towards group goal only when prompted or with occasional prompting.	Works towards group goal without occasional prompting; accepts and fulfills individual role within group.	Consistently and actively works toward group goal; willingly accepts and fulfills individual role within group.	
			<b>Total Marks (Out of 10)</b>	



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<b>Manage project effectively as a member/leader</b> <b><u>P.11.2.P4</u></b>	Failed to meet most of the individual responsibilities within given deadline.	Failed to meet a few of the individual responsibilities within given deadline.	Works willingly and effectively towards completion of project and met all individual deadlines and responsibilities.	
<b>Demonstrate effectiveness in managing project finance as a member/leader</b> <b><u>P.11.2.P4</u></b>	Almost no or very little contribution in project budget preparation and management.	Moderately contributes in project budget preparation and management.	Effectively and willingly contributes in project budget preparation and management.	
<b>Comments</b>			<b>Total Marks (out of 10)</b>	



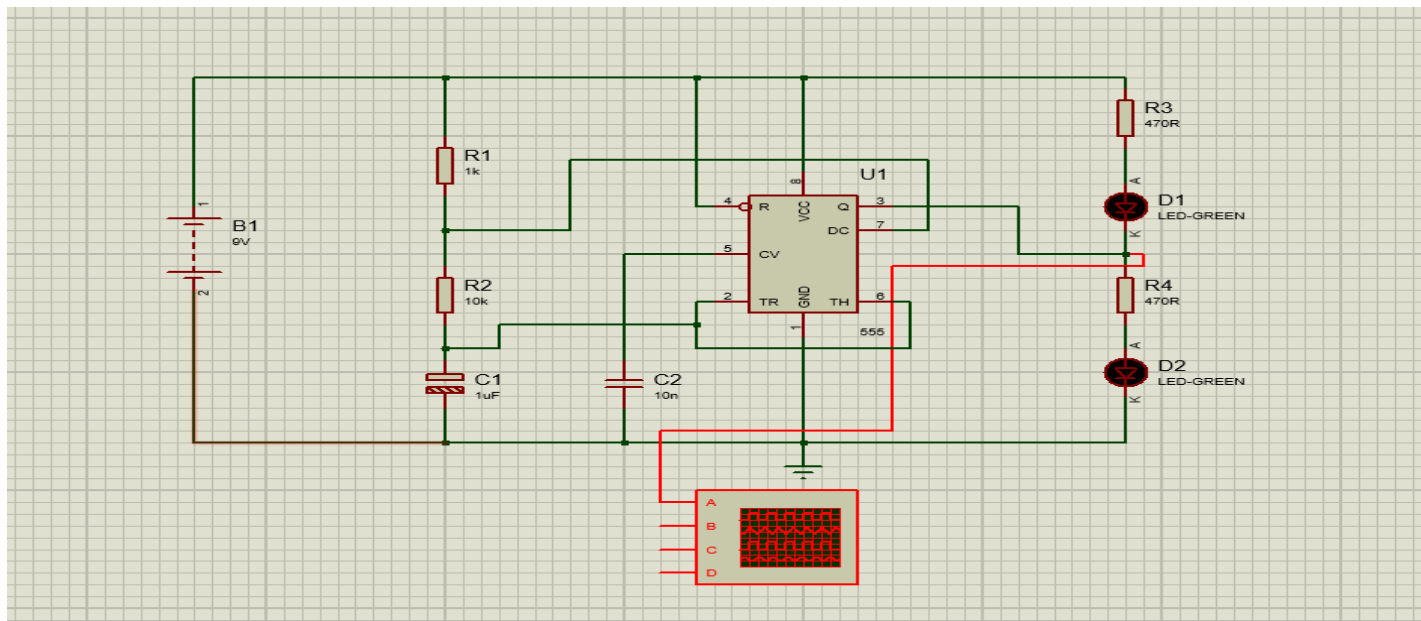
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## Project title: Flashing LED'S using 555 IC circuit

### Circuit Diagram:





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#### **Project Description:**

Flashing LED's can be used for any kind of emergency situation. By various patterns it can be used to send out emergency signals to local help centre. Even this kind of signal be used in kind of vehicle which can indicate some special service vehicle. By adding some more features like IR sensor and pressure sensor it can be used as detecting object device also.

555 timer IC is used to create time difference in various applications. The blinking LED circuit uses a 555 timer in astable mode, which generates a continuous output in the form of a square wave at pin 3. This waveform will turn LED on and OFF. Along with 555 timer and LED's we have also used battery, 2 capacitors, and 3 resistors in this design.