Shri G.S. Institute of Technology & Science, Indore

Department of Electronics & Telecommunication Engineering

Electronics Workshop
(EC 25568)

Session- Dec 2020-May2021

A Project Report on

" Project Title "

Submitted To :

Name of Faculty members

Submitted By :

Name of group members with enroll. No.

CERTIFICATE

This is to certify that Name of students studying in B.Tech. 2nd year in session December 2019 to May 2020 , have successfully completed the project " project title " of the Electronics Workshop and have submitted a report having satisfactory details of it .

 Date :-   **Guided by** :

                                                                        Name of faculty members

ACKNOWLEDGEMENT

We would like to take this opportunity to express our gratitude to all those people who have helped us in our project, for their valuable guidance and experience which they poured on us in right direction. Their persistent encouragement, everlasting experience and valuable inspiration helped us a lot in molding the present shape of the project.

We would like to express gratitude to our staff members for their support too.

Table of content

1. Introduction
2. Working principal
3. Circuit diagram (it should not contain name of ay website. Use MS paint or any other tool to remove the name of website. This discussion is valid for all the images and tables in the report)
4. Components used (make a table containing the details of all the components used. A table is drawn below for your reference)

Sr. No.	Name of component	Specification	Quantity	Cost per piece (in Rs)
1	Resistance	MFR, ¼ W	5	0.25/-
2	Capacitor	Electrolytic 25V, 1000uF	2	10/-
3	PCB	Paper phenolic , 4 inch x 4 inch	1	30/-

5. Component Details (write in short about the components used in project. mainly focus on IC's, sensors used. And try to limit it in two pages.)
6. Working of circuit (explain the working of circuit, mention the formula used, and other calculations like time period/ frequency, calculation of component value , power supply used ,etc…, try to limit it in 2-3 pages)
7. PCB Layout (attach the layout prepared from eagle or other such tool)
8. Image of Hardware (take a image of your project on (i) bread board and (ii) PCB and attach in the report)
9. Result/ conclusion (mention the result/ conclusion of your project for eg.:- if you built a Astable multivibrator using 555 then write "Astable multivibrator using 555 timer IC was built and fabricated on PCB. The frequency of o/p waveform is 1 Khz and duty cycle is 50%.")
10. Bibliography (mention references used in your project. reference must include a few text books & Link of websites referred. Avoid using references like google.com, yahoo.com etc. paste the complete link of website.)

Sample reference:-

A Sedra, K Smith, Microelectronic Circuits, Oxford univ. press, 5e

https://www.instructables.com/id/Automatic-Street-Light-Using-Ldr/

11. Data Sheet (include the data sheet for IC's , BJT, Diode only. Of the data sheet for any component contains a large no. of pages then include the front page and other pages which contain electrical specification)

Some other instructions
1. There will be a single report for a project group.
2. Maintain a uniform font size. i.e 14 for heading/sub-heading and 12/11 for the other text, use Times New Roman/Arial font. Headings and sub-headings should be bold and underlined.
3. Remove the name of website from the images/ table before using it in the report. All the images and tables must be numbered as Fig.1 : description (font size 10) , Fig 2: description Table 1: description (font size 10)……..
4. **Report must be prepared in third person**. (It should not include words like I, me , he, she , we . usually all the standard text books are written in third person. To get an idea refer the text of sedra smith .)
5. Justify the text using ctrl+J , also assign page number and mention it in table of contents. Page number will start from the introduction. Do not assign page number to cover page , acknowledgement and certificate.