

**FORMAT for PROJECT REPORT**

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| **1.** | **FORMAT**  Size : | A4 |
|  | Normal Text Size :  Heading Text Size : | Times New Roman, font size 12.  Times New Roman, font size 14 (Bold face) |
|  | Sub-Heading Text Size : | Times New Roman, font size 12 (Bold face) |

Margins : 1.5 inch on the left and top, 1 inch at the bottom and 1 inch on the right

Paragraph : At Double Spacing

Line Spacing : 1.5 spacing to be provided throughout the Report.

Page number : Bottom centre of each page.

Binding : Spiral Binding.

**2. ARRANGEMENT OF INITIAL PAGES**

a. Front Cover Page (with golden Embossing) b. Inner Cover Page (identical to Cover Page) c. Declaration by the Candidate

d. Certificate of the Supervisor(s)/Guide(s)

e. Acknowledgement

g. Abstract

h. Contents

i. List of tables, figures and photographs j. List of Abbreviations.

**Note: The numbering of initial pages shall be in roman numbers.**

**3. ARRANGEMENT OF CHAPTERS**

a. Starting with chapter on Introduction and to be concluded with chapter on Conclusion & remaining work**. (sample attached in annexture 1)**

b. References **(sample attached at the end)**

c. Bibliography **(sample attached at the end)**

d. List of Publications (if any)

e. Appendices.

**Note: The numbering of main chapter pages will be in numeric numbers.**

A Project Report

on

***HOME AUTOMATION USING ARDUINO AND WI-FI***

*Submitted for the partial fulfillment of the requirement for the award of the Degree of*

***Bachelor of Technology***

In

***Computer Science & Engineering***

by

***Sameer Dudeja***

***Mohit Shrivastava***

***Akul Aggarwal***

Under the Guidance of

***Mrs. Madhu Sharma***

***Asst Professor***

***DIT UNIVERSIY***



**DIT UNIVERSITY, DEHRADUN, INDIA**

April, 2019



**DECLARATION**

This is to certify that the Project entitled **“****Home Automation using Arduino & Wi-fi”** in partial fulfillment of the requirement for the award of the **Degree of Bachelor of Technology** in **Computer Science & Engineering**, submitted to **DIT University, Dehradun, Uttarakhand, India,** is an authentic record of bonafide work carried out by me, under the guidance of **Mrs. Madhu Sharma**.

The matter embodied in this Project/Thesis/Dissertation has not been submitted for the award of any other degree or diploma to any University/Institution.

|  |  |  |
| --- | --- | --- |
| **Students Name & Signature:** |  | **Supervisor Name , Designation & Signature:** |
| **Sameer Dudeja**  **Mohit Shrivastava**  **Akul Aggarwal** |  |  |
|  |  |  |
|  |  |  |
| **Head of Department**  **Mr. Vishal Bharti**  **Signature** |  |  |

***Date:*** 30/04/2019

***Place: Dehradun***

ii



**CERTIFICATE**

This is to certify that the Project entitled **“Home Automation using Arduino & Wi-fi”** in partial fulfillment of the requirement for the award of the **Degree of Bachelor of Technology** in **Computer Science & Engineering** submitted to **DIT University, Dehradun, Uttarakhand, India,** is an authentic record of bona fide research work carried out by Mr. **Sameer Dudeja** Roll No **160102175** under my supervision/ guidance.

**Signature and Name of**

**Supervisor(s)/Guide**

***Date:*** 30/04/2019

***Place: Dehradun***



**CERTIFICATE**

This is to certify that the Project entitled **“Home Automation using Arduino & Wi-fi”** in partial fulfillment of the requirement for the award of the **Degree of Bachelor of Technology** in **Computer Science & Engineering** submitted to **DIT University, Dehradun, Uttarakhand, India,** is an authentic record of bonafide research work carried out by Mr.  **Mohit Shrivastava** Roll No **160102185** under my supervision/ guidance.

**Signature and Name of**

**Supervisor(s)/Guide**

***Date:*** 30/04/2019

***Place: Dehradu***



**CERTIFICATE**

This is to certify that the Project entitled **“Home Automation using Arduino & Wi-fi”** in partial fulfillment of the requirement for the award of the **Degree of Bachelor of Technology** in **Computer Science & Engineering** submitted to **DIT University, Dehradun, Uttarakhand, India,** is an authentic record of bonafide research work carried out by Mr.  **Akul Aggarwal** Roll No **160102175** under my supervision/ guidance.

**Signature and Name of**

**Supervisor(s)/Guide**

***Date:*** 30/04/2019

***Place: Dehradun***

**Bibliography:**

* Christian Reinisch ,“Wireless Communication in Home and Building Automation”, Master thesis, Viennia univeristy of technlogy, Feb 2007.
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http://en.wikipedia.org/wiki/Home\_automation. Retrieved on 7/2/2019

**TYPE-SETTING, TEXT PROCESSING AND PRINTING**

The text shall be printed employing Laserjet and the text having been processed using a standard text processor. The standard font shall be Times New Roman of 12 pts with 1.5 line spacing. The text must be 1.5 lines spaced and printed on only one side of each page.

**Text**

The text must be divided into a logical scheme that is followed consistently throughout the document. The larger divisions and more important minor divisions are indicated by suitable, consistent headings. All headings and subheadings should be presented in the same way in each chapter, in terms of capitalization, placement on the page and kind of type used. No headers, giving the titles of chapters or other sections, are allowed at the top of the pages. Chapter organization as practiced by the discipline should be followed. The Student is responsible for the quality and content of the text. Specific requirements for text presentation are given below.

**1. Section and Subsection**

The student may use Section headings and Sub-Section headings to subdivide the chapter/s, but a consistent sequence of section headings as identified in the style guide selected must be followed. The Student/Research Scholar do not change the sequence and style of headings from chapter to chapter. Once the sequence is chosen, it must be followed consistently throughout the project report. Footnotes should be in 10 point character with single spaced lines.

**2. Pagination**

Lower-case Roman numerals are used to number all pages preceding the text. Although the preliminary paging begins with the title page, no number appears on the title page. However, it is counted as i, The page immediately following the title page is numbered with a lower- case Roman numeral ii. Beginning with the first page of the text, all pages are to be numbered with Arabic numerals consecutively throughout the project report document, including the appendix and the bibliography or list of references. The page numbers must be positioned at the bottom centered of the page. Page headers or running heads may not be used in the report. All page numbers must be in the same font and size.

**3. Tables and Figures**

The term "table" refers to a columnar arrangement of information, often data sets, organized to save space and convey relationships at a glance. The term "figure" refers to graphs, drawings,

diagrams, charts, maps, or photographs. All such details should be inserted in the text near where they are first mentioned. A table or figure may appear on the same page as the text that refers to it or on a immediate next page. Each figure or table must be numbered and have a caption. Captions are placed below figures and pictures and above tables. Captions may be single spaced.

**6. Appendix**

The appendix (or a series of appendices) immediately follows the main text. The appendix includes material that may be helpful to the reader of the report but may be too long for inclusion in the text or footnotes. The title, APPENDIX, appears only on the first page of the section, in capital letters centered two inches from the top. Examples of such material include questionnaires, letters, original data, sample forms, and derivations. Reference should be made in the text to the inclusion of these materials in the appendix. Each appendix is a separate subdivision of the text and must begin on a separate page. Each appendix must be listed in the Table of Contents.

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PLAGIARISM REPORT

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**ABBREVIATIONS**

CBC Cipher Block Chaining

CFB Cipher Feedback Mode

DDES Double Data Encryption Standard

DES Data Encryption Standard

ECD Electronic Codebook Mode

IEEE Institute of Electrical and Electronics Engineers

**Note: Complete report must be in justified and symmetric format.**