**PURBANCHAL UNIVERSITY**



**DEPARTMENT OF COMPUTER ENGINEERING**

**KHWOPA ENGINEERING COLLEGE  
LIBALI-2, BHAKTAPUR**

**A PROJECT REPORT**

**ON**

**COMPUTER CONTROLLED HOME SECURITY SYSTEM**

Project work submitted in partial fulfillment of requirements for the award of the degree of Bachelor of Engineering in Computer Engineering

**SUBMITTED BY**

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**UNDER THE GUIDANCE OF**

(Er. Name of Supervisor)

06 September 2014

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**CERTIFICATE**

**//** Certificate letter must be printed on college letter pad

**ACKNOWLEDGEMENT**

**/**/ Few lines or words for appreciation or gratitude

**ABSTRACT**

// Write abstract of your project. Your abstract should summarize your problem, way of solving that problem and result you achieved. One paragraph will be sufficient for Abstract.

**CHAPTER 1**

**INTRDOUCTION**

**1.1 Background**

// Write down background information of the project and introduce the measure functionalities and areas of the project. Citation required here.

**1.2 Statement of Problems**

// What is your main problem?

// What are the limitation of similar types of past projects?

**1.3 Objectives**

// List out the specific objectives to solve your problem.

**1.4 Application**

// Write down the applicable areas of your project.

**1.5 Scope & Limitation**

// State the scope of project and its limitation.

**1.6 Report structure**

// State structure of your report. Here you mention chapters and topics discussed inside them.

**CHAPTER 2**

**LITERATURE REVIEW**

// This chapter will contain the related theories and background for your projects along with previous works in this field.

// Case studies and survey of previous works or system can be included in this section.

// This chapter can be further divided into sub chapters if required.

**CHAPTER 3**

**METHODOLOGY**

Methodology should describe how your project is carried out. So, required system block diagrams or generic models along with system flowchart or program flowchart and algorithm/pseudo code should be mentioned here.

Process modeling, data modeling, database design, forms, reports and interface design can be included within this chapter.

Similarly, if you have verified your project or system then write down the different **performance parameters** you have chosen. For example SNR, PSNR, ME, ROC, accuracy, precision etc.

**CHAPTER 4**

**RESULT & DISCUSSIONS**

Inside this chapters write down the different tests or experiments you have performed to verify and validate your system.

You should mention different datasets which you have chosen for making test cases.

Each and every tests or experiments should be clearly defined so that test cases, test scenarios are clearly understood. And tests should meet the objectives of your project.

You must show how your test results meet with your objectives. And if your result deviated from expected result then you must discuss the causes or errors .

Experimental data and test cases can be shown in tabular or descriptive form. Results of test can be shown either in tabular form or in some visually informative graph and chart.

Also you need summary of results for further discussion.

**CHAPTER 5**

**CONCLUSIONS & RECOMMENDATIONS**

This chapter can be divided into 2 parts. In first part you mention conclusion of your project. In second part you can write the recommendation or further enhancement to improve your system.

**REFERENCES**

// APA format or IEEE format

**IEEE Format Referencing**

**Unprinted Reference**

[1] J. K. Author, private communication, Abbrev. Month, year.

[2] J. K. Author, “Title of paper,” unpublished.

**Paper In conference**

[2] J. K. Author, “Title of paper,” presented at the Unabbrev. Name of Conf., City of Conf., Abbrev. State, year

**Books**

J. K. Author. (year, month day). Title (edition) [Type of medium]. volume(issue). Available: site/path/file

Example:

[1] S. Khutaina. (195, Aug. 15). EMBASE handbook (3rd ed.) [Online]. 3(21). Available: Knowledge Index File: EMBASE Handbook (EMHB)

**Journal**

J. K. Author. (year, month). Title. Journal [Type of medium]. volume(issue), paging if given. A vailable: site/path/file

**Report**

J. K. Author. (year, month). Title. Company. City, State or Country. [Type of Medium]. Available: site/path/file

**Website**

J. K. Author. (year, month day). Title. Magazine [Type of medium]. paging if given. Available: <http://www.(URL)>

[ In text citation we use like follow [1][2] . ] And citation should be made serially in report.

**APA Format Example**

**Journal**

J.K.Author(Date),'*Title'*(Edition), Journal (Vol,No) pp. [Available At :http://]

**Book**

J.K.Author (Date) ,'*Title*'(Edition) ,Publisher, Address

**Website :** 'Title', Retrieved From http:// [ In text citation we use like ( *author,date) ]* \

**Guideline**

* CHAPTER 1 & 2 should have citation for references.
* Google.com or Wikipedia references are not accepted. So mention actual reference location.
* Report should be printed one sided A4 size.
* No headers and footers.
* Margin : 1 inc in all side
* Cover Page College Name heading : 16 Bold Times New Roman, Uppercase
* Cover Page Title : 14 Bold Times New Roman , Uppercase
* Chapter Heading : 12 Bold Times New Roman , Uppercase
* Topic Heading : 12 Bold Times New Roman , Capitalize
* Text : 12 Normal Times New Roman
* Bulleting must be done in numbers or alphabets.
* Type mistake an
* d grammatical error is not acceptable.
* Avoid Plagiarisms
* Do not copy figures and block diagram directly. If you have use them then draw yourself or make citation if you copied them.
* Final report must be formatted with proper font-size and justification. And each chapter should be printed in a new page.
* Diagram and figure should be number like following
  + Figures and Images within chapter 2 can be shown as

|  |  |
| --- | --- |
|  |  |
| a) Building | b) People |

Figure 2.1 : Building and People

* + Tables within chapter 1 can be shown as

|  |  |  |
| --- | --- | --- |
| **Sno** | **Name** | **Mark** |
| 1 | Ram | 20 |
| 2 | Shyam | 30 |

Table 1.1 : Result of Student

**DEPARTMENT OF COMPUTER ENGINEERING**

**KHWOPA ENGINEERING COLLEGE  
LIBALI-2, BHAKTAPUR**

**CERTIFICATE**

This is to certify that the project entitled "**Computer Controlled Home Security System**" submitted by Mr. Ram Shrestha & Mr. Hari Acharya in a partial fulfillment of the requirements for the award of the Degree of Bachelor of Engineering in Computer Engineering of Purbanchal University , is a bonafide work to the best of my/our knowledge and may be placed before the examination Board for their consideration.

**Panel of Examiners:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Signature** | **Date** |
|  |  |  |
|  |  |  |
| **External Examiner** |  |  |
|  |  |  |
| Er. …………………… |  |  |
|  |  |  |
| **Project Supervisor** |  |  |
|  |  |  |
| Er. ………………… |  |  |
|  |  |  |
| **Head of Department** |  |  |
|  |  |  |
| Er. …………………. |  |  |