Bansilal Ramnath Agarwal Charitable Trust’s

Vishwakarma Institute of Information Technology

*(Department of Electronics & Telecommunication)*

### logo

**Group No.:- 01**

Project Phase –I, Report

on

“HOME AUTOMATION AND SECURITY USING TOUCHSCREEN”

(SPONSORED BY: TIFR)

(Domain : Embedded)

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BE E&TC

*Of*

*Savitribai Phule Pune University*

*(Formerly University of Pune)*

*Under supervision of*

**MR. PRAVIN G. GAWANDE**

*Year 2019 – 2020*

**CERTIFICATE**

### This is to certify that seminar work entitled " Title of the project” carried out in the seventh semester by,

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| **Roll No.** | **Division** | **Name of Student** |
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### in partial fulfillment for the award of Bachelor of Engineering degree in Electronics and Telecommunication Engineering from Vishwakarma Institute of Information Technology, Savitribai Phule Pune University, Pune during the academic year 2019-20.

Date:

Name of Guide  **Name of Coordinator**

Guide Project Coordinator

Dr. S. V. Kulkarni

H.O.D., E&TC Engg.

# ABSTRACT

(1 paragraph (max. 150 words only) Font : 12 pt. Times New Roman )

##### ACKNOWLEDGEMENT (If required)

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(NAME OF STUDENTS IN CAPITAL)

**List of Figures**

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**List of Table:**

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**INDEX**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Contents** | **Page No.** |
|  | Abstract ..................................................................................................... | III |
|  | Acknowledgement ................................................................................ | IV |
|  | List of Figures........................................................................................... | V |
|  | List of Table .............................................................................................. | V |
| 1 | Introduction |  |
| 2 | Literature Survey |  |
| 3 | Objectives |  |
| 4 | Motivation (Optional) |  |
| 5 | Block Diagram and dEscription |  |
| 6 | Methodology |  |
| 7 | Hardware and Software requirement |  |
| 8 | result analysis and discussion |  |
| 9 | Applications |  |
| 10 | scope of fututre work |  |
|  | Implementation plan /Project phases(1/2 Page) |  |
|  | References |  |

**1. Introduction**

Font Times New Roman, Font Size 12, line space 1.5 **(Approx. 1 Page)**

**2. Literature Survey**

Font Times New Roman, Font Size 12, line space 1.5 **(Approx. 2 Pages)**

**3. Objectives**

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**I.**

**II.**

**III.**

**4. Motivation**

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**5. Block Diagram**

Title of Block Diagram and Description (Font Times New Roman, Font Size 12, line space 1.5) **( Approx. 3 Pages)**

**6. Methodology**

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**7. Hardware and Software Requirement**

Font Times New Roman, Font Size 12, line space 1.5 **( Approx. 2 Pages)**

**8. Result analysis and discussion**

Font Times New Roman, Font Size 12, line space 1.5 **( Approx. 3 Pages)**

**9. Applications**

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**10. Scope of Future work**

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**11. Implementation plan:**

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| **Work Plan** | **Dec 2017** | **Jan 2018** | **Feb 2017** | **Mar 2017** | **Apr 2017** |
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***References***

Font Times New Roman, Font Size 12, line space 1.5 **(Standard papers/Application Notes)**

[1] J. Daugman et al. , “High confidence visual recognition of persons by a test of statistical independence”, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 15, no. 11, pp. 1,148-1,161,1993.

[2] "Information Technology, Biometric performance testing and reporting -- Part 1: Principles and framework, ISO/IEC 19795-1.,” 2006.

[3] N. Poh and J. Kittler, "A Unified Framework for Biometric Expert Fusion Incorporating Quality Measures", IEEE Trans. on Pattern Analysis and Machine Intelligence, 34(1):pp 3-18, Year 2012.

**Name of Guide**

**Project Guide**