



**Bahria University**  
Discovering Knowledge

**FINAL YEAR PROJECT REPORT**

**GESTURE BASED TV CONTROLLING  
SYSTEM**

In fulfillment of the requirement  
For degree of  
**BCE (COMPUTER ENGINEERING)**

**By**

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### Acknowledgment

This is the Final Year Project report of our proposed solution in the response of assigned task to us. We are very thankful to **Engr. Nabiha Faisal** for her guidance and support for the completion of our project successfully and all the work is completed due to our efforts, guidance of supervisor and the prayers of our parents.

All the group members mutually give their best effort and hardworking for the completion of the project although we faced many disagreements on the working of different modules of the project and overall however we continue to move forward while facing all kind of other software and hardware difficulties and because of the hardworking of all the group members and excellent guidance of the supervisor we successfully complete the assigned task.

### Abstract

The project **Gesture Based TV Controlling System** is designed especially for the handicap or disable persons who face many kinds of problems in their daily routine work because many of them can't use their hands for doing their daily routine work easily. So, we thought that there should be a system who can help the handicap persons and decrease their difficulties. In this project, we are including some basic features of smart TV. Our thought is to apply some features of smart TV into normal TV that will also helpful for the handicap persons who faced problems to use TV remote or can't use the TV remote easily. The project is like as smart TV but smart TV is very costly we will include some basic features of smart TV in our project to make the system cost cheaper and helpful.

Contents

**GESTURE BASED TV CONTROLLING SYSTEM ..... 1**

**ACKNOWLEDGMENT ..... 3**

**ABSTRACT..... 4**

**1- INTRODUCTION ..... 10**

    1.1 BACKGROUND AND LITERATURE REVIEW ..... 10

    1.2 PURPOSE OF THE PROJECT ..... 10

    1.3 PURPOSE OF THIS DOCUMENT ..... 10

    1.4 OVERVIEW OF THIS DOCUMENT ..... 11

        1.4.1 Existing System ..... 11

**2- SYSTEM ANALYSIS..... 13**

    2.1 DATA FLOW DIAGRAM ..... 13

    2.2 WORK BREAK DOWN ..... 14

        2.2.1 Research ..... 14

            THIS INVOLVES SYSTEMATIC EMPIRICAL INVESTIGATION OF QUANTITATIVE PROPERTIES AND PHENOMENA AND THEN RELATIONSHIPS, BY ASKING A NARROW QUESTION AND COLLECTING NUMERICAL DATA TO ANALYZE IT UTILIZING AS STATISTICAL METHODS. THE MAIN RESEARCH WORKING/MATERIAL WHICH IS USED IN OUR SYSTEM IS UNDER; ..... 14

            ➤ Idea agenda Meeting during the completion of the project. .... 14

            ➤ Discussion of idea and discussion about difficulties..... 14

            ➤ Surveys in different markets for the knowledge of the specific area/field..... 14

            ➤ Research about the product on internet or other resources..... 14

            ➤ Research on the available technologies used in the project. .... 14

        2.2.2 Technical Design ..... 15

            • Finalizing the tool and technology which is used in the system. .... 15

            • Designing the system methodology which is used in the system..... 15

            • Feasibility assessment used in the system..... 15

            • Design overview of the system. .... 15

            • Design interfaces of the system..... 15

        2.2.3 Implementation ..... 15

            • Analyzing different tools and algorithms of the system. .... 15

            • Testing the algorithms and their complexities in the system. .... 15

            • Comparing the features of the algorithms used in the system..... 15

            • Creating own arrangement of different function to finally achieve our target..... 15

        2.2.4 Project Management..... 15

            • Project plan of the system. .... 15

            • Project schedule of the system. .... 15

            • Requirements Doc of the project..... 15

            • Time keeping criteria used in the system. .... 15

            • Scheduling criteria in the completion of the project..... 15

            • Presentation Materials..... 16

    2.3 FLOW CHART ..... 16

    2.4 OVERALL SYSTEM PROCESS ..... 17

    2.5 SYSTEM REQUIREMENTS..... 17

2.5.1 Working Criteria.....	18
2.5.2 Clients, Customers and Users.....	19
<b>3- DESIGN CONSTRAINTS .....</b>	<b>21</b>
3.1 HARDWARE AND SOFTWARE ENVIRONMENT .....	21
3.1.1 Hardware.....	21
3.1.2 Software.....	21
3.2 END USER CHARACTERISTICS.....	21
3.3 OVERALL SYSTEM DESCRIPTION .....	21
<b>4- ARCHITECTURAL STRATEGIES .....</b>	<b>23</b>
4.1 ALGORITHM.....	23
4.2 DEVELOPMENT AND IMPLEMENTATION OF THE ALGORITHM .....	24
4.2.1 Existing Systems.....	24
4.2.2 Project Management Strategies.....	24
4.2.3 Development Method.....	24
4.3 SYSTEM DESIGN.....	25
4.3.1 System Architecture and Program Flow.....	25
4.3.2 Major Modules.....	25
4.3.3 Sub Modules.....	26
4.4 DETAILED SYSTEM DESIGN.....	26
4.4.1 Detailed Component Description .....	26
<b>5- IMPLEMENTATION AND VALIDATION .....</b>	<b>30</b>
5.1 CONVEX HULL DETECTION.....	31
5.2 REMOVING BACKGROUND .....	32
5.3 TECHNICAL FEASIBILITY .....	33
5.3.1 Required Hardware Configuration.....	33
5.3.2 Required Software Configuration.....	33
5.4 SCHEDULE FEASIBILITY .....	34
5.4.1 Gantt Chart.....	34
5.5 OPERATIONAL FEASIBILITY .....	34
5.5.1 Hardware and Software Working Module.....	34
5.6 ECONOMIC FEASIBILITY .....	35
5.6.1 Development Costs .....	35
5.6.2 Total Project Cost (Approx) .....	35
5.7 SOFTWARE REQUIREMENTS .....	35
5.8 RESULTS .....	36
<b>6- TESTING.....</b>	<b>38</b>
6.1 TESTING MODULES .....	38
<b>7- CONCLUSION .....</b>	<b>41</b>
7.1 BRIEFLY DESCRIPTION.....	41
<b>8- FUTURE ENHANCEMENT IN THE SYSTEM.....</b>	<b>44</b>
8.1 EXPECTED ENHANCEMENTS.....	44
<b>9- APPENDICES.....</b>	<b>46</b>
9.1 OPEN CV CODE: .....	46

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9.2 PYTHON CODE .....	46
9.3 SERIAL CODE .....	47
9.4 IR CODE.....	47
9.5 IR SEND CODE .....	51
9.6 RASPBERRY PI 3 MODEL B DESCRIPTION .....	53
9.7 SPECIFICATIONS .....	53
9.8 ARDUINO UNO DESCRIPTION .....	55
9.8.1 <i>Arduino UNO Characteristics</i> .....	55
9.8.2 <i>Technical Specifications</i> .....	56
▶ <i>Clock Speed 16 MHz</i> .....	56
9.8.3 <i>Power Description</i> .....	56
▶ <i>GND. Ground pins.</i> .....	57
9.8.4 <i>Memory</i> .....	57
9.8.5 <i>Input and Output</i> .....	57
9.8.6 <i>Communication</i> .....	58
9.8.7 <i>USB Overcurrent Protection</i> .....	58
9.8.8 <i>Physical Characteristics</i> .....	58
9.8.9 <i>Software Working Demo Screen</i> .....	59
<b>10- REFERENCES .....</b>	<b>61</b>