

AUTOMATIC COUNTER BOOKING SYSTEM USING SMS

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ABSTRACT

The Automatic Counter Booking System using SMS is based on most popular ticketing counter anywhere in the world. Our project will allow users to book in advance the counter-tickets without having to wait in queue.

The objective of this project are to design an automatic electronic counter, integrate SMS functions in an electronic counter system, build all in one booking devices and verify the expected result.

The problems that lead us in making this project are due to most counter ticketing number devices only allows walk in counter services. Another problem is, the time waiting for someone to be called is long. Lastly is when place is full and dense during peak hour causes discomfort among customer.

In our scope of work, we intend to design a device that focus on idea of designing booking system using SMS. We do not want to create a perfect system but rather to make sure that the concept for the book using the SMS contained in our device. Interrupt process is not implemented in this project because it is difficult for us because we do not have enough base for c programming and need more time for us to review how to use the process interrupts . The ways of authentication is by entering a phone number as authentication of users on the system. In this project we used Arduino Mega, SIM900 GSM shield, seven-segment display, Buzzer, Keypad and LCD.

To conclude, this project will improve the current counter-ticketing devices and Customers will be able to book in advance their time to visit counter services.

TABLE OF CONTENT

APPROVAL SHEET	11
DECLARATON OF ORIGINAL WORK	111
ACKNOWLEDGEMENTS	1v
ABSTRACT	v
TABLE OF CONTENT	vi
LIST OF FIGURES	viii
LIST OF TABLES	x1
LIST OF ABBREVIATIONS	x11
CHAPTER 1 INTRODUCTION	1
1.1 Background of Study	
1.2 Problem Statement	2
1.3 Objective of Research	3
1.4 Scope of Study	4
1.5 Project Contribution	5
CHAPTER 2 LITERATURE REVIEW	6
2.1 Equipment and Component	6
2.2 Related Project	12
CHAPTER 3 METHODOLOGY	15
3.1 Introduction	15
3.2 Project Flowchart	15
3.3 Project Prototype	18
3.4 Project Costing	19

3.5 Schematic Diagram	20
3.6 Circuit Operation	20
CHAPTER 4 RESULTS AND DISCUSSION	21
4.1 Software Simulation Result	21
4.2 Hardware-Implementation Results	26
4.3 Circuit Testing	33
4.4 Troubleshooting	37
4.5 Discussion	39
CHAPTER 5 CONCLUSION AND RECOMMENDATION	41
5.1 Conclusion	41
5.2 Recommendation	42
REFERENCES	43
APPENDICES	