**SUPERIOR UNIVERSITY LAHORE**

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**Faculty of Computer Science & IT**

**Final Year Project**

**PROJECT REPORT (Part-1)**

**[Online Courier Service]**

Project ID:**[FYP-BSCS-F20- ]**

**Project Team**

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**Hafiz. Waseem Arif** (Professor)

**Project Report**

**Online Courier Service**

**Change Record**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Author(s)** | **Version** | **Date** | **Notes** | **Supervisor’s Signature** |
|  | 1.0 |  | <Original Draft> |  |
|  |  |  | <Changes Based on Feedback from Supervisor> |  |
|  |  |  | <Changes Based on Feedback From Faculty> |  |
|  |  |  | <Added Project Plan> |  |
|  |  |  | <Changes Based on Feedback from Supervisor> |  |
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**APPROVAL**

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| --- | --- |
| **Project Supervisor** | |
| Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
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| Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| **Project Manager** | |
| Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
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| **Head of the Department** | |
| Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
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# Dedication

This work dedicated to our family, friends and everyone who showered us with their love and support. We are especially thankful to those who presented challenges to our work and we pray for them because without their resistance we would never have been able to achieve what we did.

# Acknowledgements

All praises be to Almighty Allah, Who gave us the strength, knowledge and courage to complete this task. We would like to pay tons of thanks and express my gratitude to my supervisor Sir **Hafiz Waseem Arif**, for his useful guidance, remark and support throughout the learning process that he provided us a convenient direction to complete our project. Specially thanks to our parents, teachers and friends whose valuable prayers and support encouraged us to complete this project.

**Executive Summary**

Online courier system (OCS) is an android application through which a person can courier a parcel by sitting at home after installation. Normally, if a person want to send something to anyone he has to go to the courier office and has to submit it he himself has to find office and then has to go there. And if a person install this application (OCS) he does not need to go anywhere he would just install this app he just call at the given contact number and that application will provide him the code and cell phone number of that particular person who is going to receive his courier from the house and then after asking the code he can easily handover the courier after getting the receipt and it will reach at his required destination.

We are designing this application for the persons who can’t go to the courier office or they don’t want to go the office to deliver.

Many other reasons can occurs like they do not have a nearby courier office or they do not have a proper conveyance to go there. And mostly the females who don’t want to go to the courier office it would be more efficient to those. It could bring the more ease and comfort o everyone to deliver a courier by staying at home.

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# Chapter 1

# Introduction

**Chapter 1:** Introduction

Online courier system (OCS) is an android application through which a person can courier a parcel by sitting at home after installation. Normally, if a person want to send something to anyone he has to go to the courier office and has to submit it he himself has to find office and then has to go there. And if a person install this application (OCS) he does not need to go anywhere he would just install this app he just call at the given contact number and that application will provide him the code and cell phone number of that particular person who is going to receive his courier from the house and then after asking the code he can easily handover the courier after getting the receipt and it will reach at his required destination.

## Background

As we know every person want some facilities and comfort these days. Moreover We are designing this application specially for the persons who can’t go to the courier office or they don’t want to go the office to deliver.

Many other reasons can occurs like they do not have a nearby courier office or they do not have a proper conveyance to go there. And mostly the females who don’t want to go to the courier office it would be more efficient to those. It could bring the more ease and comfort o everyone to deliver a courier by staying at home.

## Motivations and Challenges

With increasing technology online courier system(OCS) can also need to be update due to which we can minimize and can be safe the precious time and effort of people which have been waste in delivering a package by going there . The main thing is time. As we know the time is money, so we have to solve out that problem. This application will be more helpful to everyone.

## Goals and Objectives

Main Objective of online courier system(OCS) is to save the time period and efforts of its users and do most of the tasks that takes time like document reading and questioning about it and doing their tasks. We are targeting the people who are not able to go to the courier office or the persons who don’t want to go. Our objective is to provide them the smart solutions to their life problems and tasks.

Goals of “OCS” given below:

* It aims to give the easiest way for users.
* Introduce the modern features into the market that automate the application.

## Literature Review/Existing Solutions

There is no such application available. Many courier companies are working they don’t provide the facility to collect any parcel from anyone’s house. They just send the parcel to the given address not anyone collect the parcel from the house. Every one has to go to the particular office if he want to send something.

## Gap Analysis

As we know that competitors have been working on just receiving parcel on their particular office and then they send it on destination.

## Proposed Solution

To overcome the problems we are about to make solution that an application “OCS” is designed. As we are focusing on receiving parcels from the required place we have to think about privacy issue. We are going to add a private code that will only be visible to that particular person who is ordering and the person who is going to collect it.

This would be very helpful to everyone to send any package to desire place by selecting the their own choice of courier company. Because every one’s priority of sending a courier from the particular courier company like (TCS, LEOPARD) is different. That’s why we are also adding a feature to select a company through which you are going to send courier.

## Project Plan

In this project I have tried to explain the importance of today’s technology its unique properties and its application areas especially in courier systems.

We need to keep in mind “OCS” is not the only process during the whole courier systems. There might be some other security concerns that need to be considered when such an application is built for practical reasons.

Lastly, Efficiency can be improved by saving human time and using new way and to reduce some kind of barriers and provide a safe a secure application which cannot break down by a hacker or any kind of cracker.

## Work Breakdown Structure

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Description automatically generated

Figure 1

## Roles & Responsibility Matrix

Table 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WBS #** | **WBS Deliverable** | **Activity #** | **Activity to Complete the Deliverable** | **Duration**  **(# of Days)** | **Responsible Team Member(s) & Role(s)** |
| 1 | 1.1 Initial | 1.1.1 | Research | 3 | Team |
|  |  | 1.1.2 | Analysis | 2 | Team |
|  | 1.2 Planning | 1.2.1 | Scope Statement | 5 | Usama Saleem |
|  |  | 1.2.2 | Determining Responsibilities | 3 | Usama Saleem |
|  |  | 1.2.3 | Project Plan | 7 | Haris Ali |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | 1.3 Execution | 1.3.1 | Requirement Gathering | 3 | Bareera, Haris |
|  |  | 1.3.2 | Validating Requirement | 3 | Haris , Bareera |
|  |  | 1.3.3 | Designing App | 7 | Usama |
|  |  | 1.3.4 | Implementation | 30 | Team |
|  |  | 1.3.5 | Testing | 15 | Team |

## Gantt Chart

[Paragraph Text 12 px, Calibri, 1.5 Line Spacing, Justified]

Table 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity** | **Members & Weeks** | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Title Submission |  |  |  |  |  |  |  |  | Midterm Exam Week |  |  |  |  |  |  | Study Week | Exam Week | Exam Week |
| Proposal Document |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Requirement gathering |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Prototype design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Design interface |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Database design |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DOC-1 Submission |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Login and registration module |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Searching of pervious work |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Courier Order Recognition Testing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| O.C.S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tracking ID |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table 3

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity** | **Weeks** | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | | 12 | | 13 | | 14 | | 15 | | 16 | 17 | 18 |
| Requirement changes module |  |  |  |  |  |  |  |  | Midterm Exam Week |  |  | |  | |  | |  | |  | | Study Week | | Exam Week | Exam Week |
| Transection module |  |  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |
| DOC-2 Submission |  |  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |
| Testing and bug fixes |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |  | |  |  |
| Testing |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |  | |  |  |
| Review and Maintenance |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |  | |  |  |