ACKNOWLEDGEMENT

We would like to thank ACHS College and its Computer Science and Internet Technology department for letting us prepare this project and especially our supervisor Er. Chhetra Bahadur Chhetri for encouraging us and helping our group to prepare this project. We would also like to thank them for giving us valuable suggestions on this project.

We would also like to thank everyone else which includes the rest of our teachers and friends for their technical suggestions that helped us to complete the project in a better way.

Finally, we would like to express our deep gratitude to our seniors and guardians who helped us to prepare this project and encouraged us whenever required.

ABSTRACT

The traditional means of getting information about futsal has been so old fashioned and not so efficient means to the players. Futsal recommender system is the advancement that has taken place in the field of technology replacing traditional method. Futsal Recommender System is a web-app which provides user with features like futsal recommendation. The proposed system aims to overcome the pitfall of the existing system. This application allows the user to create an account and log in to the system. The data is then stored in the database. Using the account, the user can book futsal and get recommendation from the system. It helps the user to easily get the information about the futsal and the available time. This system will overcome the difficulties that every futsal player is facing these days in our city.

Table of Contents

LIST OF ACRONYMS AND ABBREVIATIONS
LIST OF FIGURESv
LIST OF TABLES vi
CHAPTER 1: INTRODUCTION
1.1 Background
1.2 Problem Statement
1.3 Objectives
1.4 Project Features
1.5 Scope
1.6 Limitation
CHAPTER 2: LITERATURE REVIEW4-5
CHAPTER 3: REQUIREMENT AND FEASIBIITY ANALYSIS
3.1 FEASIBILITY ANALYSIS
3.1.1 Economic Feasibility
3.1.2 Technical Feasibility.
3.1.3 Operational Feasibility
3.1.4 Schedule Feasibility6-7
3.2 REQUIREMENT SPECIFICATION.
3.2.1 Preliminary Analysis
3.2.2 Functional Requirements
3.2.3 Non-Functional Requirements8-9
3.2.4 Software Requirements9-10
3.2.5 Hardware Requirements
CHAPTER 4: SYSTEM DESIGN AND METHODOLOGY
4.1 SOFTWARE PROCESS MODEL
4.2 USE CASE DIAGRAM
4 3 CLASS DIAGRAM

4.4 SEQUENCE DIAGRAM	
4.5 COLLABORATION DIAGRAM	
4.6 ER DIAGRAM	
4.7 DATA DICTIONARY	
CHAPTER 5: SYSTEM DEVELOPMENT AND TESTING	19
5.1 SYSTEM DEVELOPMENT	19
5.1.1 Technologies and Platform Used	19-21
5.1.2 Algorithm Implementation	21
5.1.2.1 Matrix Formulation	
5.1.2.2 Similarity Calculation	
5.1.2.3 Recommendation	
5.2 SYSTEM TESTING	24-27
5.3 TEST RESULTS	27-28
CHAPTER 6: OUTPUT AND CONCLUSION	29
6.1 OUTPUT	29
6.2 FUTURE PLAN	30
6.3 CONCLUSION	30
REFERENCES	31
A DDENIDIV	22 44

LIST OF ACRONYMS AND ABBREVIATIONS

CSS Cascading Style sheets

ER Entity Relationship

HTML HyperText Markup Language

HTTP HyperText Transfer Protocol

ICT Information and Communication Technology

IDE Integrated Development Environment

JS JavaScript

PHP PHP Hypertext Preprocessor

RDBMS Relational Database Management System

SDLC Software Development Life Cycle

SQL Structured Query Language

W3C World Wide Web Consortium

LIST OF FIGURES

1.	Gantt Chart	,6
2.	Iterative model	8
3.	Use case diagram.	9
4.	Class diagram	10
5.	Sequence diagram	11
6.	Collaboration diagram	12
7.	ER diagram	14-15
8.	Integration test.	17-18

LIST OF TABLES

1.	Software requirements	7
2.	Data Dictionary	8
3.	Test case for Login.	9