A Project Report On

COLLEGE MANAGEMENT SYSTEM

Developed At

Harivandana College

For the fulfillment of the requirements for the $B.C.A. - 5^{th}$ Semester

Developed By



Submitted To



DEPARTMENT OF COMPUTER SCIENCE

-: Under the Guidance of :-

Dr. Ashwin Rathod (Head ofDepartment)

Prof. DharmendraAmbani (Project In-charge)

Preface

The age of information has gone , the correct area is the age of knowledge. These having knowledge would higher resources from the society & at the same time would be earning the higher returns. But knowledge as we know has changed drastically, to ensure that knowledge is imported to student, it is made mandatory by Sauarashtra University for B.C.A student to work on a comprehensive project.

Here is the detailed report on the project I had made at <u>College</u> <u>Management System</u>. It has developed on C#.NET, MSSQL.

I really thankful to the Mr. Harshad Fefar for kind help and support for providing detail information regarding manual system.

Finally, I would like to express my gratitude to the member of my family for the support and encouragement I have receives from them. The improvement would always.

Acknowledgement

I am **Dhaval Bheda** student of <u>BCA - 5</u> in **Shree Harivandana College**. Thanks to the entire person who has landed their support in shaping of this software.

The successful completion of Project is generally not an individual effort. It is an outcome of the cumulative efforts of a number of persons, each having its own importance. This session is a vote of thanks for all those who have directly or indirectly contributed in his or her own special way towards the completion of this Project.

I am very thankful to all those who have helped me in preparing and guiding this Project on "College Management System". I am feeling a great happiness to present this Documentation.

I would like to add a few heartfelt words for the people who are part of this Project report in numerous ways. People who give unending support right from the stage Project report idea was conceived. In particular, I would like to thank our **Principal Mr. Ashwin Rathod** who provides us such nice and encouraging environment. I would also like to thank our **Family members of Harivandana College** who have always inspired me and directed me towards the successful completion of this Project.

I would like to express my deepest gratitude to <u>All Faculties of Harivandana</u> who showed trust in me with such a challenging project. So I heartily thanks to them for spending his valuable time and providing me better guidance as well as giving new ideas for achieving my goal.

Many persons have helped me with their suggestions during the preparations of this project, most notably our **Friend circle**. I also thank them for helping me to improve the presentation of the project.

Thank You.

Dhaval Bheda R.

Project Profile

Harivandana College **Developed At** Rajkot. Harivandana College **Submitted To** Department Of Computer Science Front End C# **MSSQL 2005 Back End Software Required** .NET Framework 3.5 **Documentation Tool** Microsoft Word, Visio Login Form, Main Form, Student Management **Main Forms** Forms, **Employee Management** Forms, Courses Forms, Department Forms, Finance Department Forms, Attendence, Library Management Forms, College Details Forms, Admin Section Forms, **Operating System** Windows 7,8,8.1,10 **Editor** Microsoft Visual Studio 2008 **Guided by** Prof. Ashwin Rathod **Developed By** Dhaval Bheda R.

Index

1.		PROJECT DEFINITION	
	1.1	Abstraction	2
	1.2	Introduction	3
	1.3	Proposed System	5
	1.4	System Scope	6
	1.5	Platform Requirements	7
2.	PROJCET ANALYSIS		8
	2.1	Preliminary Investigation	9
	2.2	Feasibility Study	10
	2.3	Fact finding Techniques	16
	2.4	System specification	20
	2.5	Linear sequential model	22
3.		SYSTEM DESING	28
	3.1	Process Specification	29
	3.2	Design Strategies	30
	3.3	Data Dictionary	31
	3.4	Data Flow Diagram	45
	3.5	E-R Diagram	51
	3.6	Use Case	53
4.		TOOLS & TECHNOLOGY	57
	4.1	Technology used	58
		4.1.1 .NET Framework	58
	4.2	Language	79
		4.2.1 About C#.NET	79
		4.2.2 About MSSQL	81
5.		SCREEN LAYOUTS	84
6.		TESTING & DEBUGGING	134
	6.1	Testing Methodology	135
	6.2	Unit Testing	137
	6.3	Test Cases	138
	6.4	System Testing	141
7.		CONCLUSION	142
	7.1	Work Experience	143
	7.2	Future Enhancement	144
	7.3	Bibliography	146