

A Project Report

On Research Project File Management System of CSE

A Project report submitted to the Department in partial fulfillment of the requirements for the Degree of Bachelor of Science (Honors) in Computer Science & Engineering.

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ABSTRACT

Academic project management is a major issue which is faced by most of the educational institutes. The main reason for this is, there is no automated system followed in any institute. Varsity management / Staff gathers all the project reports and Research papers from the students. But it is a matter of sorrow that, all the upcoming students don't know about the previous projects and Research papers. So they can't get any ideas about those.

For this reason, we want to bring all types of projects and Research papers in a platform. So that they can easily get the proper ideas and implement them in a new way. So, we propose to build a website which will develop by WordPress and PHP.

In this website, we will store all types of project resources and Research papers for all of us.

Finally, the website will be a perfect learning platform for beginners to gain an idea about various type of projects and Research papers which will help them to make the right decision in their upcoming projects.

DECLARATION

The Project work entitled “**RESEARCH PROJECT FILE MANAGEMENT SYSTEM OF CSE**” has been carried out in the Department of Computer Science and Engineering, Gono Bishwabidyalay is original and conforms the regulations of this University.

I understand the University’s policy on plagiarism and declare that no part of this project has been copied from other sources or been previously submitted elsewhere for the award of any degree or diploma.

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Deep Knowledge & keen interest of our Supervisor and Co-supervisor in the field of impact of usability design influenced us to carry out this project. Their endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior draft and correcting them at all stage have made it possible to complete this project.

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Last but not the least, we must acknowledge with due respect the constant support and patients of our parents.

APPROVAL

The Project titled “Research Project File Management System of CSE” has been submitted to the following respected members of the board of examination of the Computer Science & Engineering in partial fulfillment of the requirement for the degree of Bachelor of Science in Computer Science & Engineering and has been accepted in satisfactory.

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DEDICATION

We dedicate this project to God Almighty my creator, my strong pillar, my source of inspiration, wisdom, knowledge and understanding. I also dedicated this project to Our Honorable teachers. We sincerely thank all of them while submitting this project report.

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LIST OF ABBREVIATIONS

HTML	Hypertext Markup Language
CSS	Cascading Style Sheets
SQL	Structured Query Language
PHP	Personal Home Page (Hypertext Preprocessor)
DBMS	Database Management System
WWW	World Wide Web
SEO	Search Engine Optimization
UML	Unified Modeling Language
HLR	Home Location Register

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CHAPTER ONE

Introduction:

Research Project File Management Services System is a web application developed by WordPress and PHP to create software for managing files by providing a web solution to store and retrieve data file for the student. This facility for manipulating all the students or teachers of the university. It is an important for efficient organization, storage and retrieval of Research files and project. It's also provides our time saving and easy way to report, view and control the version of a file.

1.1 Problem Statement

Research Project file management system uses software to store soft copies of your documents as well as the digital information in our databases. This technology can help you avoid some of the difficulties faced by companies that use outdated or poorly structured document management systems.

1.2 Background

1.2.1 How Research file management system works.

Academic project management is a major issue which is faced by many educational institutes, the main reason for this is, there is no automated system followed in any institute. Varsity management/ Staff gathers all the project reports and project resources from students. But all the upcoming students don't know about previous projects and they can't get an any ideas. For this reason, we want to bring all types of projects in a platform so that they can easily get the project ideas and implement them in a new way. So, we propose to build a website which will develop by WordPress and PHP. In this website, we will store all types of projects resources for all of us. Finally, the website will be a perfect learning platform for beginners to gain an idea about various type of projects which will help them to make the right decision in their upcoming projects.

1.2.2 Benefits of Research file management system

- * This system fully functional and flexible.
- * Better Backup and Disaster Recovery
- * Easier Retrieval
- * Enhanced Security.
- * It is very easy to use.
- * It saves a lot of time.

1.2.3 Aim and objectives

Research Project File management system is a collection of data that provides services to application and users. It facilitates the communication between user application and files. This relieves user from developing the software for each application.

1.2.4 Concept and design

Computer can store information on several different storage media such as magnetic disks, magnetic tapes and optical disks. So that the computer systems will be convenient to use, the operating system provides a uniform logical view of information storage. The operating system abstract from the physical properties of its storage devices to define a logical storage unit, the file. File are mapped, by the operating system, on to physical devices. This storage device are usually non-volatile, so the contents are persistent thru power failures and systems reboots.

CHAPTER TWO

Literature review

Literature review is a text written by someone to consider the critical points of current knowledge including substantive findings as well as theoretical and methodological contributions to a particular topic. Main goals are to situate the current study within the body of Literature and to provide context for the particular reader.

2.1 The role web Content Management Strategy

A content management strategy is a structured plan to create, publish, and govern your organization's content and data. A content management strategy is critical to organizational survival, as it underpins effective information management, which is vital to surviving and thriving in the digital age we're living in now.

2.2 The role of object oriented programming (OOP)

The concept of object-oriented modeling is becoming increasingly practical because of its ability to thoroughly represent complex relationships as well as to represent data and data processes in a consistent manner. This concept has been implemented in computer software Engineering, system analysis, system design, operating system, computer programming and database file management system.

CHAPTER 3

METHODOLOGY & TECHNOLOGY USES

The term methodology means the technique and procedure adopted by conducting a research study. It outlines how data will be collected and the tools for collecting data, system methodology, the proposed system input and output, users and systems development tools.

3.1Functional Requirements:

The Functional Requirements Specification documents the operations and activities that a system must be able to perform.

Functional Requirements should include:

- Descriptions of data to be entered into the system
- Descriptions of operations performed by each screen
- Descriptions of work-flows performed by the system
- Descriptions of system reports or other outputs
- Who can enter the data into the system
- How the system meets applicable regulatory requirements

The Functional Requirements Specification is designed to be read by all CSE students. Readers should understand the previous project concept, but no particular technical knowledge should be required to understand the document [1].

3.2 System development & methodology

System development methodology is a technique that is used to show how the proposed system will be developed. In this case, the methodology used will be a waterfall model.

Waterfall model: It is comprised of the stages that the developer will use when developing the system. It is a sequential model hence, the name waterfall. The developer has to finish with one stage before going to the next one. It comprises of the feasibility study, analysis phase, coding phase, testing phase, implementation phase and finally the maintenance phase. It is a simple model and easy to use and understand. With waterfall development based methodologies, the analysts and users proceed sequentially from one phase to the next. The deliverables from each phase are voluminous and are presented to the project sponsor for approval as the project moves from phase to phase. Once the phase is approved by the sponsor it ends and the next phase begins.

3.3 File management system use case diagram



Figure: use case diagram file management

CHAPTER FOUR

System Implementation

4.1 Systems Implementation

Systems implementation is the process of:

- defining how the information system should be built (i.e., physical system design),
- ensuring that the information system is operational and used,
- ensuring that the information system meets quality standard.(i.e., quality assurance).

4.2 Hardware & Software Requirements

Hardware: (Recommended)

- Processor : Dual Core Processor
- RAM : (Minimum) 512 MB
- Hard Disk :20 GB

Software:

- Dreamwaver 8
- Notepad++
- MySQL
- Apache (Xampp Localhost Server)

4.3 Page Design & Description

Page design age given below separately:

4.3.1 Home Page:

Home Page Content

1. Header
2. Department Logo
3. Menu
4. Categories
5. Search
6. Footer

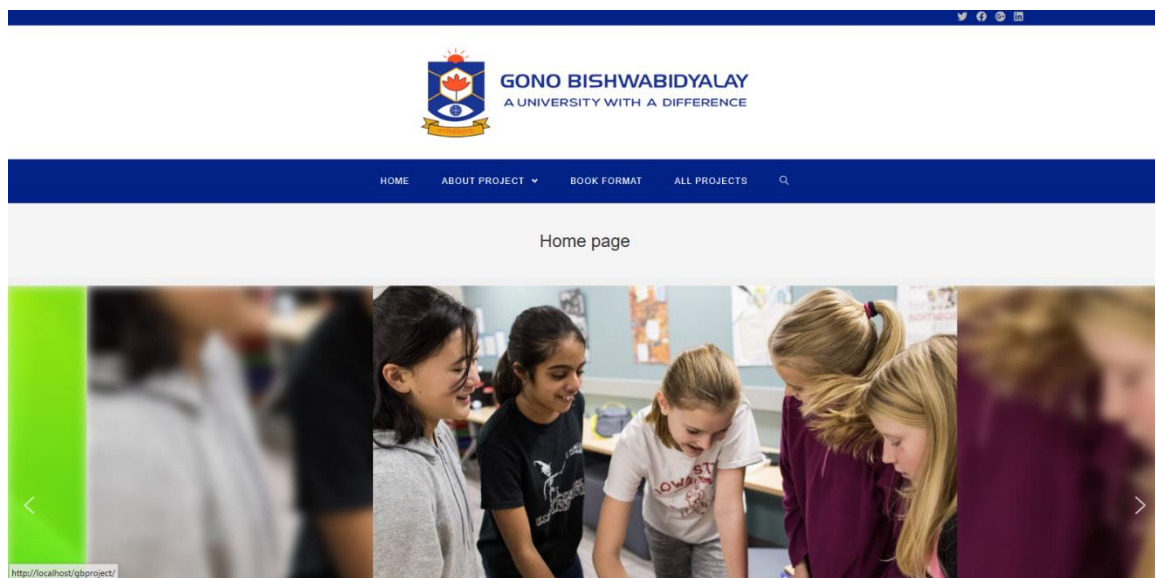


Figure: Font page of research file project

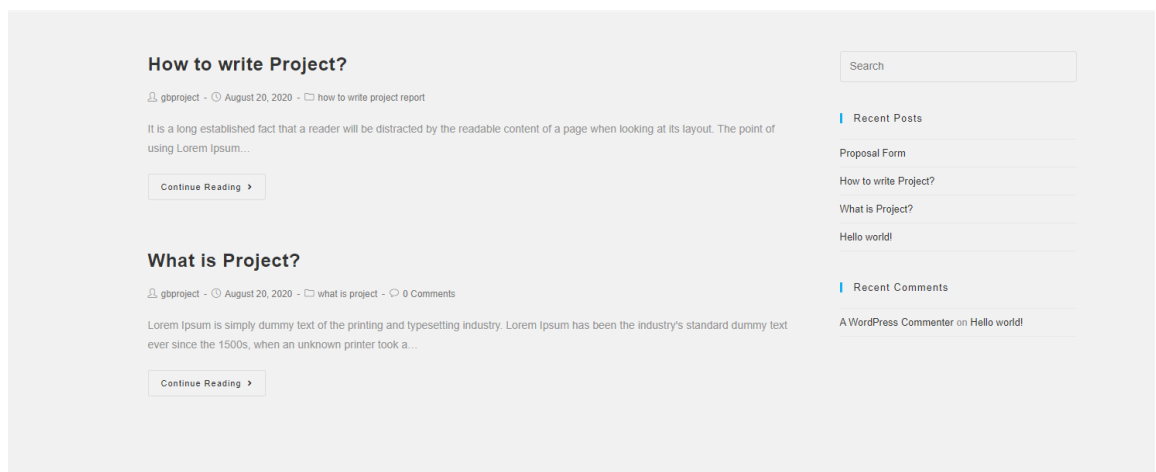


Figure: about project

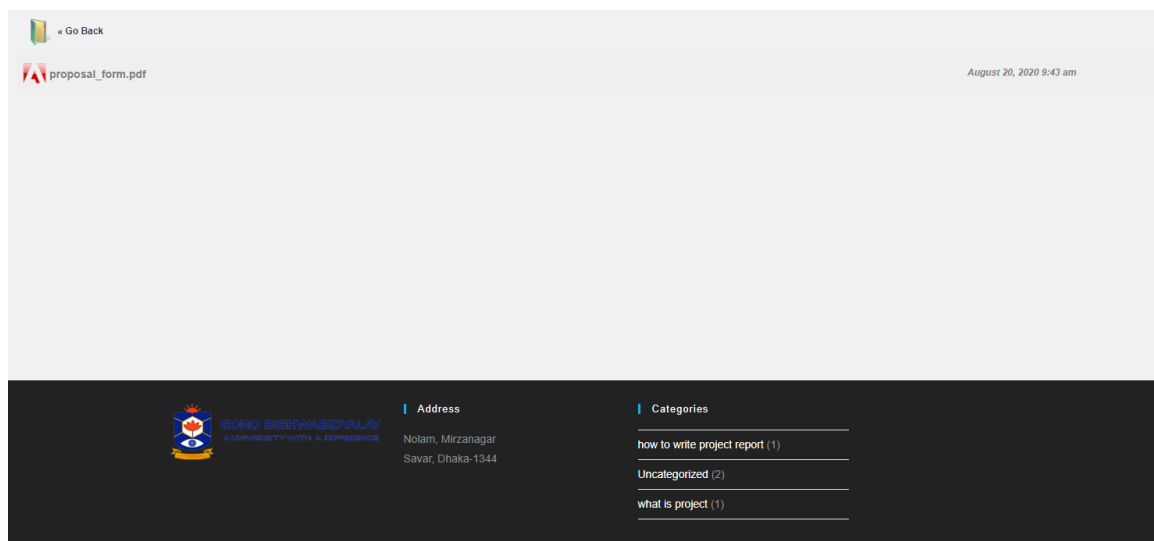


Figure: project proposal form

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>HomeService</title>
  <link rel="stylesheet" href="css/slick.css">
  <link rel="stylesheet" href="css/slick-theme.css">
  <link rel="stylesheet" href="css/all.min.css">
  <link rel="stylesheet" href="css/normalize.css">
  <link rel="stylesheet" href="css/grid.css">
  <link rel="stylesheet" href="css/style.css">
  <link rel="stylesheet" href="css/responsive.css">
</head>
<body>

  <!-- header section -->

  <header class="header-section clearfix">
    <nav class="full-nav clearfix">
      <div class="row clearfix">
        <a class="logo" href="index.html">HomeService</a>
        <div class="main-nav">
          <ul>
            <li><a class="act" href="index.html">services</a></li>
            <li><a href="howitworks.html">how it works</a></li>
            <li><a href="faq.html">FAQ</a></li>
            <li><a href="customer.html">customer review</a></li>
            <li><a href="about.html">about us</a></li>
          </ul>
        </div>
      </div>
    </nav>
  </header>

```

Figure: menu bar code

CHAPTER FIVE

5.1 CONCLUSION

This website provides a computerized version of Research Project File Management System which will help the students as well as the staff of the exam controller office. It makes entire process in online system where students can search the project and research paper in order to increase their basic knowledge. It has a facility of admin login where admin can add result and remove unnecessary information.

This project making it more interactive and friendly which will fulfill each user requirement the best way as possible

5.2 Limitation

- It requires a massive database stories capacity.
- Our application requires internet service.

Reference

Website:

- [1]** <http://www.ofnisystems.com/services/validation/functional-requirements>