A.S.D.Government Degree College for Women
An Autonomous Institution
Jagannaickpur, Kakinada, Andhra Pradesh-533002
Affiliated to Adikavi Nannaya University, Rajamahendravaram

INTERNAL QUALITY ASSURANCE CELL

1.3.3.   Percentage of Programs that have components of field projects/research projects/internships during the last five years

FIELD PROJECTS
(2018-2019)

A PROJECT REPORT

ON

Online Library System

A project report submitted in partial fulfillment of requirement
for the award of the degree of Bachelor of

B.Sc Computer Science

Submitted by

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DEPARTMENT OF COMPUTER SCIENCE

A.S.D GOVT DEGREE COLLEGE FOR WOMEN (A)
JAGANNAICPUR, KAKINADA
2018-2019

DECLARATION

We here by declare that the project work entitled "Online Library System" Submitted to the A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A), KAKINADA, is a record of an original work done by us under The guidance of Mrs. N.Naga Subrahmanyeswari Head of the Dept of Computer Science and this project work is submitted in the partial fulfillment of the requirements for the award of degree of B.Sc(Computer Science). The result embodied in the thesis have not been submitted to any other University of Institute for the award of any degree of diploma.

ACKNOWLEDGEMENT

We are thankful to out Principal, Dr.D. Ratnagiri Usha M.A., M.Phil, Ph.D for her permission to select this project and for her continuous encouragement and valuable suggestions.

We are also thankful to out Head of the Department and Project Guide Smt. N.Naga Subrahmanyeswari, M.Tech(Ph.D) for her continuous and constant motivation towards completion of this project.

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A.S.D GOVT DEGREE COLLEGE FOR WOMEN (A), KAKINADA
DEPARTMENT OF COMPUTER SCIENCE

స్త్రీ విద్యాప్రవర్ధతాం

CERTIFICATE

This is to certify that the Project on **"ONLINE LIBRARY "** was taken up by

students of III B.Sc(Computer Science) under the able guidance of Mrs.

N.Naga Subrahmanyeswari, Department of Computer Science, **A.S.D GOVT**

DEGREE COLLEGEFOR WOMEN (A), Jagannaickpur, Kakinada. The

project work is completed in a systematic way.

N.N.S. కకినాడ 15/3/13

Project Guide&Head of the Department   Principal   External Examiner
IN-CHARGE   PRINCIPAL
DEPT. OF COMPUTER SCIENCE A.S.D.GOVT.DEGREE COLLEGE (
ASD GOVT. DEGREE COLLEGE (AUTONOMOUS)   AUTONOMOUS
KAK   KAKINADA

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CHAPTER ONE

INTRODUCTION

1.1   Background of Study

An **online-library** is a special library with a focused collection of digital objects that can include text, visual material, audio material, video material, stored as electronic media formats (as opposed to print, microform, or other media), along with means for organizing, storing, and retrieving the files and media contained in the library collection. Digital libraries can vary immensely in size and scope, and can be maintained by individuals, organizations, or affiliated with established physical library buildings or institutions, or with academic institutions. The digital content may be stored locally, or accessed remotely via computer networks. An electronic library is a type of information retrieval system. Early projects centered on the creation of an electronic card catalogue known as Online Public Access Catalog (OPAC). By the 1980s, the success of these endeavors resulted in OPAC replacing the traditional card catalog in many academic, public and special libraries. This permitted libraries to undertake additional rewarding co-operative efforts to support resource sharing and expand access to library materials beyond an individual library.

An early example of a digital library is the Education Resources Information Center (**ERIC**) which was "born digital" in 1966.Many academic libraries are actively involved in building institutional repositories of the institution's books, papers, thesis, and other works which can be digitized or were 'born digital'. Many of these repositories are made available to the general public with few restrictions, in accordance with the goals of open access, in contrast to the publication of research in commercial journals, where the publishers often limit access rights.

Online - Library Management System is an application which refers to library systems which are generally small or medium in size. It is used by librarian to manage the library using a computerized system where he/she can record various transactions like issue of books, return of books, addition of new books, addition of new students etc.

Books and student maintenance modules are also included in this system which would keep track of the students using the library and also a detailed description about the books a library contains. With this computerized system there will be no loss of book record or member record which generally happens when a non-computerized system is used. In addition, report module is also included in Library Management System. If user's position is admin, the user is able to generate different kinds of reports like lists of students registered, list of books, issue and return reports. All these modules are able to help librarian to manage the library with more convenience and in a more efficient way as compared to library systems which are not computerized.

1.2   Statement of Problem

The library information is to an extent manually recorded and reveals a number of problems.

- The recording of students that borrow some books for further reading is done manually on a book that appears rough. Thus, the books are exposed to physical damage, information can be lost and dust particles are accumulated.
- It also takes a lot of time to arrange these books in its serial number and moreover the book keepers always felt tired while arranging these books.
- These books which are kept in the library can easily be exposed to insect and other physical damages. Like; Fire,Water and Ants,etc.

1.3 Aim and Objectives of the Study

The project aim and objectives that will be achieved after completion of this project are discussed in this subchapter. The aim and objectives are as follows:

(A)Aim

- Online book issue

- Request column for librarian for providing new books
- A separate column for digital library
- Student login page where student can find books issued by him/her and date of return.

(B) Objective:
- A search column to search availability of books
- A teacher login page where teacher can add any events being organized in the college and important suggestions regarding books.
- Online notice board about the workshop.

1.4 Significance of the Study

This platform showcases information to the society without any stress:
- Improve Access
- Wider Access

- Improve Information Sharing

1.4.1 Improve Access

Connect patrons with the information they seek with these promising electronic tools! Improved Access to Information: Portals, Content Selection, and Digital Information focuses on how you can improve access to information using electronic reference resources.

The product of the National Open University of Nigeria Libraries, Improved Access to Information offers library administrators new approaches for overcoming the proliferation of electronic information and making it readily available to students. This project will help you provide essential understanding to student and secure their patron base.

1.4.2 Wider Access

In the case of wider access, this expresses the evolution of transporting information through an online video tutorial, voice recommendation, and online library. Most times student do value this platform, because of its more accessibility to their various courses.

On like National Open University of Nigeria previous portal has this easy navigation for an online test known as (**I-Learn**). This platform known as (**I-Learn**) has been of good help to the students, in order to read their books and download some tutor mark assessment materials.

1.4.3 Improve Information Sharing

Sharing of information through online-library has been a multi-purpose and strategy for student to have a standard impact to their studies. In fact this methodology has been the best for students, both in the aspect of distance-learning and nearby centres. This pattern has innovated a style that grants the students a free access to share and save their leisure time in reading their books online.This online library has also helped the society to profound and understand the importance of reading mostly online.

1.5 Scope of the Study

The scope of this study covers the online-library as a whole, and its flexibility for students and society to read online.

1.6 Limitation of the Study

This project was constrained by the following factors:

(a) Financial Constraints

Bearing in mind the economic situation of the nation, it was found difficult in making both ends meet, because of the exorbitant nature of things nowadays in travelling for the collection of data needed for the project.

(b) Time Constraints

Looking at the interval between the resumption and vacation of the final semester for the project to be completed, the time given seemed to be short for the collection of required information for better work to be done.

(c) Non-Availability of Material

During this project, it was noticed that the required materials needed for the project are not documented. Those that were documented lacked storage facilities where they can be reached.

1.7 Definition of Technical terms

❖ **BROAD ACCESS**: this expresses the evolution of transporting information through an online video tutorial, voice recommendation, and online library. Most times student do value this platform, because of its more accessibility to their various courses and video tutorials.

❖ **PORTABILITY:** this platform (online library) is been organize in a way that will benefit the student and as well the society, more especially whenever the fill like surfing the internet for more educative instruction.

CHAPTER TWO
LITERATURE REVIEW

2.1 Overview of Library Information System

Library is regarded as the brain of any institution of learning, of course many institutions understand the importance of the library to the growth of the institution and their esteem users which we categorically call the students. An integrated library system, also known as a library management system (Adamson et al., 2008) is an enterprise resource planning system for a library, used to track items owned, orders made, bills paid, and users who have borrowed.

The Online-Library Information System is an Online-Library platform mostly used for monitoring and controlling the transactions in a library (Ashutosh & Ashish, 2012). Online-Library Information System supports the general requirement of the library such as the acquisition, cataloguing, circulation and other sections.

Before the advent of computer in modern age there are different methods of keeping records in the library. Records are kept in the library on shelves and each shelf are labelled in an alphabetical or numerical order, in which the categories of books available are arranged on different position on the shelves and as well are recorded on the library manuscript and when any book is to be referenced the manuscript is being referred to, to know the position of such required book by the person that requested for the book. After the invention of computer different researchers have carried out various approach on an automated library management system in which this project is as well all about.

The first library management system to be reviewed is the KOHA library management system. Since the original implementation in 1999, KOHA functionality has been adopted by thousands of libraries worldwide, each adding features and functions, deepening the capability of the system.

With the 3.0 release in 2005, and the integration of the powerful Zebra indexing engine, KOHA became a viable, scalable solution for libraries of all kinds.

LibLime KOHA is built on this foundation. With its advanced feature set, LibLime KOHA is the most functionally advanced open source Integrated Library System in the market today.

The major setback of this Library Management System is that it is a web based and as a result it is not security conscious because hackers could have the database hacked and access or modify the information of such user.

Another Online-Library Information System is the Capital's library software with the following benefits Increases support available for staff and users in any modern library service, provides efficiency, innovative system that's saves library time and improves the user experience.

An Online-library information system usually comprises a relational database, software to interact with that database, and two graphical user interfaces (one for users, one for staff). Most integrated library systems, separate software functions into discrete programs called modules, each of them integrated with a unified interface.

Johnson, (2007) viewed library and information science education in developing countries.

He concluded that LIS programs in developing countries continue to suffer from lack of financial support by governments.

Rahman, Khatun & Islam, (2008) reviewed the library education in Bangladesh. The study found that majority of institutions in Bangladesh do not have well-equipped computer labs or sufficient numbers of computers for students. A sufficient number of classification and cataloguing tools (DDC, LC, Sears list of subject headings for practical were not present.

Many institutions either have no library or inadequate collection of textbooks. Professional's status was also found very low, low pay scale and limited opportunities for promotion.

In Nepal, Siwakoti, (2008) found that there was no government agency to control, monitor and evaluate the school libraries activities. There was lack of awareness programs, budgetary constraints, inadequate space, inadequate library materials, lack of trained and skilled manpower and lack of appropriate government policy and lack of information literacy.

Ademodi & Adepoju, (2009) investigated the computer skill among librarians in academic libraries on Ondo and Ekiti State in Nigeria. It was found the shortage of computers and computer skills among professionals. The study recommended that more attention and funds should be provided for training and procurement of ICT infrastructure in Nigerian University libraries. For computerization purpose, library administration should solicit funds and assistant from foreign agencies and foundations who are interested for the cause.

2.2 Software Requirement Specification
2.2.1 General Description
Product Description:

An Online-Library Information System is a computerized system which helps user (librarian) to manage the library daily activity in electronic format. It reduces the risk of paper work such as file lost, file damaged and time consuming.

It can help user to manage the transaction or record more effectively and time-saving.

Problem Statement:

The problem occurred before having computerized system includes:

- File lost
- When computerized system is not implemented file is always lost because of human environment. Sometimes due to some human error there may be a loss of records.
- File damaged when a computerized system is not there file is always lost due to some accident like spilling of water by some member on file accidentally. Besides some natural disaster like floods or fires may also damage the files.

- Difficult to search record
- When there is no computerized system there is always a difficulty in searching of records if the records are large in number.
- Space consuming

- After the number of records become large the space for physical storage of file and records also increases if no computerized system is implemented.
- Cost consuming
- As there is no computerized system to add each record, paper will be needed which will increase the cost for the management of library.

2.2.2 System Objectives
- Improvement in control and performance
- The system is developed to cope up with the current issues and problems of library .The system can add user, validate user and is also bug free.
- Save cost
- After computerized system is implemented less human force will be required to maintain the library thus reducing the overall cost.
- Save time
- Librarian is able to search record by using few clicks of mouse and few search keywords thus saving his valuable time.
- Option of online Notice board
- Librarian will be able to provide a detailed description of workshops going in the college as well as in nearby colleges
- Lecture Notes
- Teacher have a facility to upload lectures notes in a pdf file having size not more than 10mb

2.2.3 System Requirements
2.2.3.1 Non Functional Requirements
Product Requirements
Efficiency Requirement
When a library management system will be implemented librarian and user will easily access library as searching and book transaction will be very faster.
Reliability Requirement
The system should accurately performs member registration, member validation, report generation, book transaction and search
Usability Requirement
The system is designed for a user friendly environment so that student and staff of library can perform the various tasks easily and in an effective way.
Organizational Requirement
Implementation Requirements
In implementing whole system it uses html in front end with php as server side scripting language which will be used for database connectivity and the backend i.e. the database part is developed using MySQL.
Delivery Requirements

The whole system is expected to be delivered in six months of time with a weekly evaluation by the project guide.

2.2.3.2 Functional Requirements
1. Normal User
1.1 User Login
Description of feature

This feature used by the user to login into system. They are required to enter user id and password before they are allowed to enter the system .The user id and password will be verified and if invalid id is there user is allowed to not enter the system.

Functional requirements

-user id is provided when they register

-The system must only allow user with valid id and password to enter the system

-The system performs authorization process which decides what user level can access to.

-The user must be able to logout after they finished using system.

2.2.3.3 Register New User

Description of feature

This feature can be performed by all users to register new user to create account.

Functional requirements

-System must be able to verify information

-System must be able to delete information if information is wrong

2.2.3.4 Register New Book

Description of feature

This feature allows to add new books to the library

Functional requirements

-System must be able to verify information

-System must be able to enter number of copies into table.

- System must be able to not allow two books having same book id.

2.2.3.5 Search Book

Description of Feature

This feature is found in book maintenance part. We can search book based on book id, book name, publication or by author name.

Functional requirements

- System must be able to search the database based on select search type

- System must be able to filter book based on keyword entered

- System must be able to show the filtered book in table view

2.2.3.6 Issue Books and Return Books

Description of Feature

This feature allows to issue and return books and also view reports of book issued.

Functional requirements

-System must be able to enter issue information in database.

-System must be able to update number of books.

- System must be able to search if book is available or not before issuing books

-System should be able to enter issue and return date information

2.2.3.7 Event Addition

Description of Feature

This feature allows teacher and student to add information about various workshops being conducted in college and colleges nearby.

Functional requirements

-System should be able to add detailed information about events.

-System should be able to display information on notice board available in the homepage of site

2.2.4 Software and Hardware Requirements

This section describes the software and hardware requirements of the system

2.2.4.1 Software Requirements
➢ Operating system- Windows 7 is used as the operating system as it is stable and supports more features and is more user friendly
➢ Database MYSQL-MYSQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.
➢ Development tools and Programming language- HTML is used to write the whole code and develop webpages with css, java script for styling work and php for sever side scripting.

2.2.5.1 Hardware Requirements
➢ Intel core i5 2nd generation**(2G)** in year 1950's was used as a processor because it is fast than other processors and it provide reliable and stable and we can run our pc for longtime. By using this processor we can keep on developing our project without any worries.
➢ Ram 1gb is used as it will provide fast reading and writing capabilities and will in turn support in processing

2.3 Existing Vs Proposed System
i. Existing system does not have any facility of teacher's login or student login whereas proposed system will have a facility of student login as well as teacher's login
ii. Existing system does not have a facility of online reservation of books whereas proposed system has a facility of online reservation of books
iii. Existing system does not have any facility of online notice board where description of workshops happening in our college as well as nearby colleges is being provided.
iv. Existing system does not has any option of lectures notes uploaded by teachers whereas proposed system will have this facility
v. Existing system does not have any facility to generate student reports as well book issue reports whereas proposed system provides librarian with a tool to generate reports
vi. Existing system does not has any facility for book request and suggestions where as in proposed system after logging in to their accounts student can request books as well as provide suggestions to improve library

2.3.1 Software Tools Used
The whole Project is divided in two parts the front end and the back end.
2.3.2 Front end
The front end is designed using html,Php,css, Java script
HTML- **HTML** or **Hyper Text Markup Language:**
This is the main markup language for creating web pages and other information that can be displayed in a web browser.HTML is written in the form of HTML elements consisting of *tags* enclosed in angle brackets (like <html>), within the web page content. HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent *empty elements* and so are unpaired, for example <img>. The first tag in a pair is the *start tag*, and the second tag is the *end tag* (they are also called *opening tags* and *closing tags*). In between these tags web designers can add text, further tags, comments and other types of text-based content.
The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page.HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behavior of HTML web pages.

CSS- **Cascading Style Sheets** (**CSS**): is a style sheet language used for describing the look and formatting of a document written in a markup language. While most often used to style web pages and interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation.CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design).CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified. However if the author or the reader did not link the document to a specific style sheet the default style of the browser will be applied.CSS specifies a priority scheme to determine which style rules apply if more than one rule matches against a particular element. In this so-called *cascade*, priorities or *weights* are calculated and assigned to rules, so that the results are predictable.

JAVA SCRIPT- **JavaScript** (**JS**): is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first-class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have very different semantics. The key design principles within JavaScript are taken from the self and Scheme programming languages. It is a multi-paradigm language, supporting object-oriented, imperative, and functional programming styles. The application of JavaScript to use outside of web pages—for example, in PDF documents, site-specific browsers, and desktop widgets is also significant. Newer and faster JavaScript VMs and platforms built upon them (notably Node.js) have also increased the popularity of JavaScript for server-side web applications. On the client side, JavaScript was traditionally implemented as an interpreted language but just-in-time compilation is now performed by recent (post-2012) browsers.

PHP- **PHP:** is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers.

Originally created by Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for *Personal Home Page*, it now stands for *PHP: Hypertext Preprocessor*, a recursive acronym. PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

2.3.2 Back End
The back end is designed using mysql which is used to design the databases MYSQL- **MySQL** ("My S-Q-L", officially, but also called "My Sequel") is (as of July 2013) the world's second most widely

used open-source relational database management system (RDBMS). It is named after co-founder Michael Widenius daughter, my. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation .MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack (and other 'AMP' stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL. For commercial use, several paid editions are available, and offer additional functionality. Applications which use MySQL databases Include: TYPO3, MODx, Joomla, WordPress, phpBB, MyBB, Drupal and other software. MySQL is also used in many high-profile, large-scale websites, including Wikipedia, Google (though not for searches), Facebook, Twitter, Flickr, and YouTube

CHAPTER 3
METHODOLOGY

3.1 **Table Design**
Various Tables to Maintain Information
Book Table for Keeping Track of Books

Field	Datatype	Default	Key	Extra
CODE	INTIO(11)	NOT NULL	PRIMARY	AUTO INCREMENT
BOOKNAME	VARCHAR(255)	NULL		
AUTHOR	VARCHAR(255)	NULL		
PUBLICATION	VARCHAR(255)	NULL		
SUBJECT	VARCHAR(255)	NULL		
NO OF COPIES	INT(10)	NULL		

Teacher Table to Keep Teacher Information

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
Tid	INT(11)	NULL		
Name	VARCHAR(255)	NULL		
Designation	VARCHAR(255)	NULL		
Branch	VARCHAR(255)	NULL		
Contactno	INT(13)	NULL		Auto increment
Lectures	LONG LOB	NULL		

Issue Table to Keep Track of Books Issued

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
bookid	INT(11)	NOT NULL		
stuid	INT(11)	NOT NUL		
issuedate	DATE	NULL		
returndate	DATE	NULL		

Student Login Table

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
Logid	INT(11)	NOT NULL	FOREIGN KEY	Reference Student
Username	VARCHAR(255)	NULL		
Password	VARCHAR(255)	NULL		
numbooks	Int(1)	NULL		

Event Table for Event Information

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
Name	Varchar(255)	NULL		
Date	DATE	NULL		
Time	Varchar	NULL		
Mname	Varchar	NULL		
Contactno	Int(30)	NULL		
Email	Varchar(255)	NULL		
Venue	Varchar(255)	NULL		

Teacher Login Table

FILED	DATATYPE	DEFAULT	KEY	EXTRA
LOGINid	Int(11)	NOT NULL		
Username	VARCHAR(255)	NULL		
Password	VARCHAR(255)	NULL		

3.2 Data Flow Diagrams
Data Flow Diagram for Teacher Login

TEACHER	ENTER URL	ENTER USERNAME AND PASSWORD	TEACHER CHECK VALIDITY
	WEB SERVER		TEACHER LOGIN PAGE

After entering to the home page of the website, teacher can choose the TEACHER LOGIN option where they are asked to enter username & password, and if he/she is a valid user then a teacher login page will be displayed.
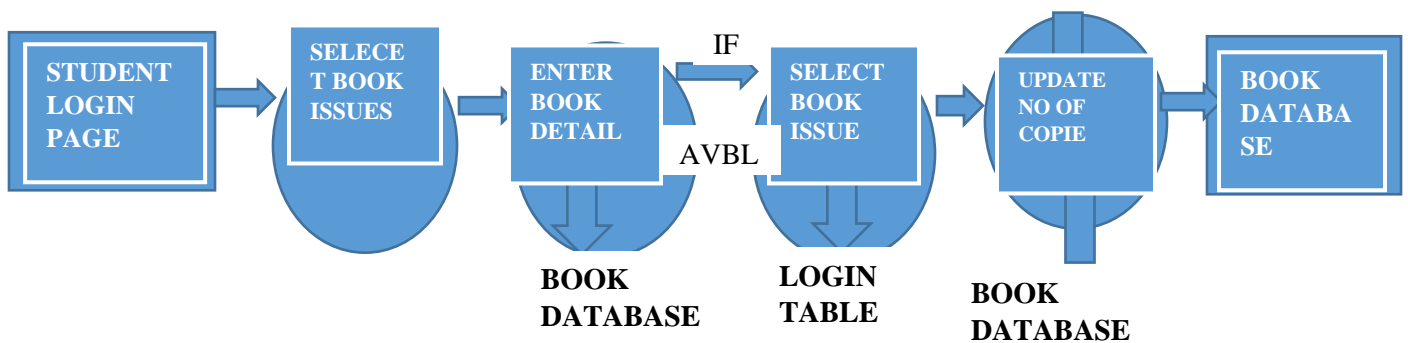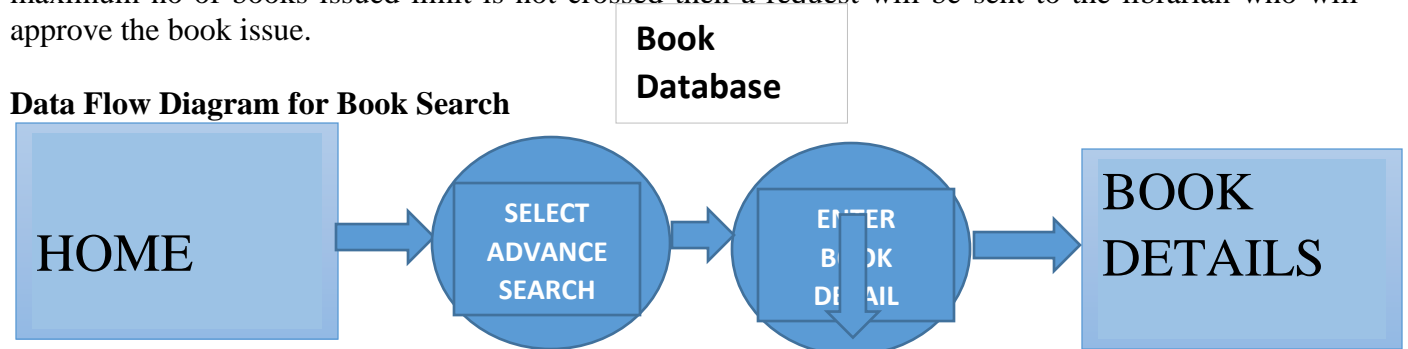
Data Flow Diagram for Student Login

STUDENT	ENTER URL	ENTER USERNAME AND PASSWORD	STUDENT DATABASE
	WEB SERVER		CHECK VALIDITY
			STUDENT LOGIN PAGE

IF VALID

After entering to the home page of the website, student can choose the STUDENT LOGIN option where they are asked to enter username &password, and if he/she is a valid user then a student login page will be displayed.

LOGIN

DATABASE

Data Flow Diagram for Book Issue

IF

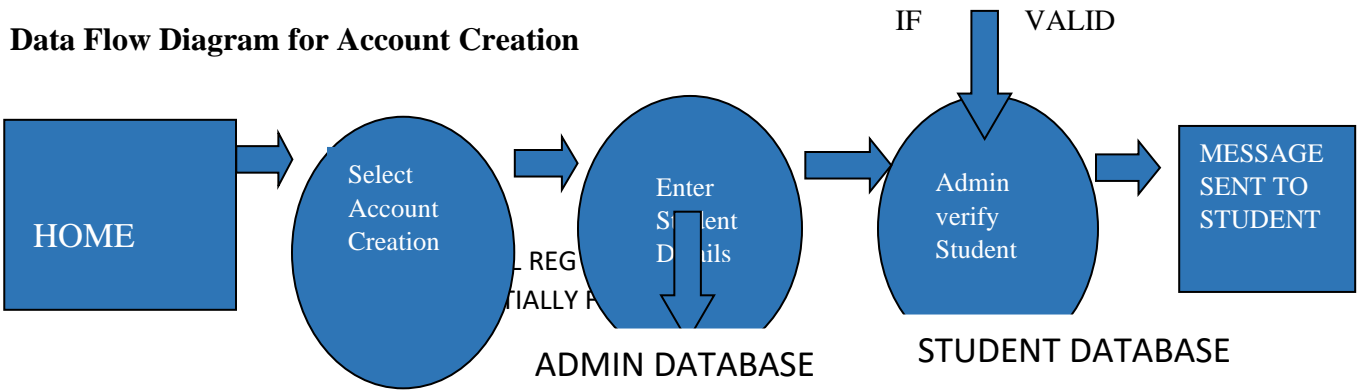| STUDENT LOGIN PAGE	SELECET BOOK ISSUES	ENTER BOOK DETAIL	SELECT BOOK ISSUE	UPDATE NO OF COPIE	BOOK DATABA SE

AVBL

BOOK DATABASE   LOGIN TABLE   BOOK DATABASE

It is a 2nd level Data Flow Diagram where after entering STUDENT LOGIN page he/she can select a book issue option where after entering the book detail, he/she can select the book issue option and if the maximum no of books issued limit is not crossed then a request will be sent to the librarian who will approve the book issue.

Book Database

Data Flow Diagram for Book Search

HOME → SELECT ADVANCE SEARCH → ENTER BOOK DETAIL → BOOK DETAILS

After the home page login there will be an option of the book search where after entering book detail like author name, publication, book name etc book details will be displayed.

Data Flow Diagram for Account Creation

IF   VALID

HOME → Select Account Creation → Enter Student Details → Admin verify Student → MESSAGE SENT TO STUDENT

REG TIALLY

ADMIN DATABASE   STUDENT DATABASE

After the home page login there will be an option of CREATE AN ACCOUNT where after entering student detail, if all the fields are filled then a request will be sent to the librarian who will approve him as a registered member of the library.

CHAPTER 4
SYSTEM DESIGN AND IMPLEMENTATION

4.1 Screenshot for homepage

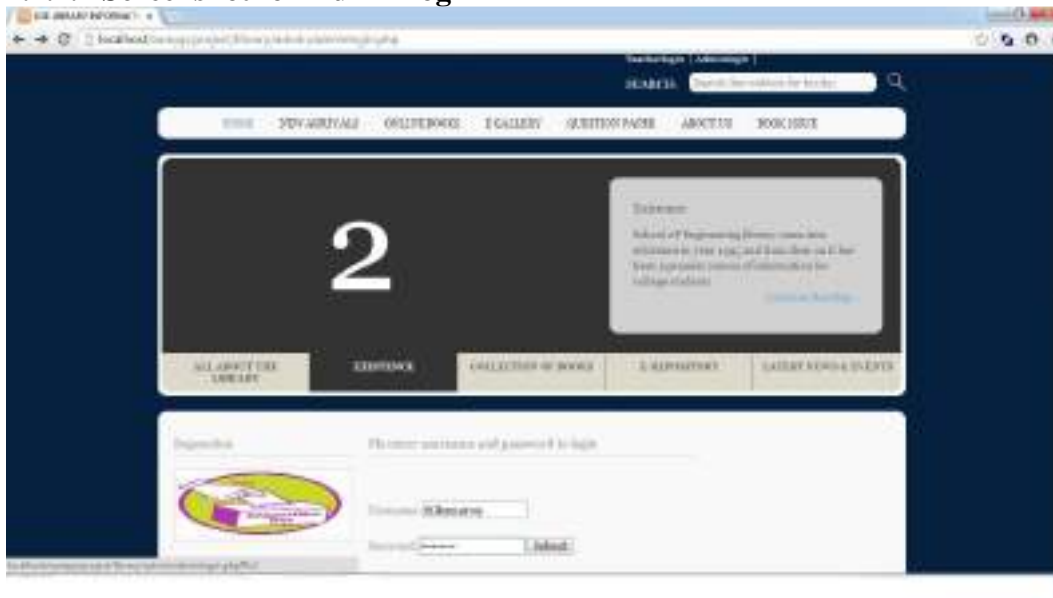**NOUN ONLINE-LIBRARY INFORMATION SYSTEM**

4.1.1 MODULE DESCRIPTION
For Library Management System it is divided into the following Modules:
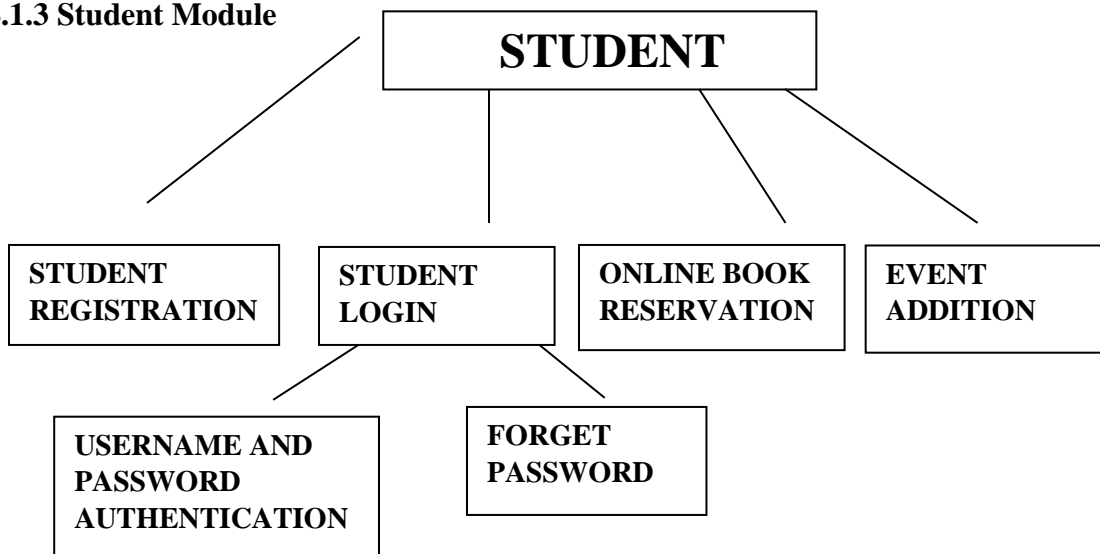
4.1.2 Admin Module

The following module contains various facilities like student validation, teacher registration, book addition, and report generation.

4.1.2.1 Screenshot for Admin login

4.1.3 Student Module
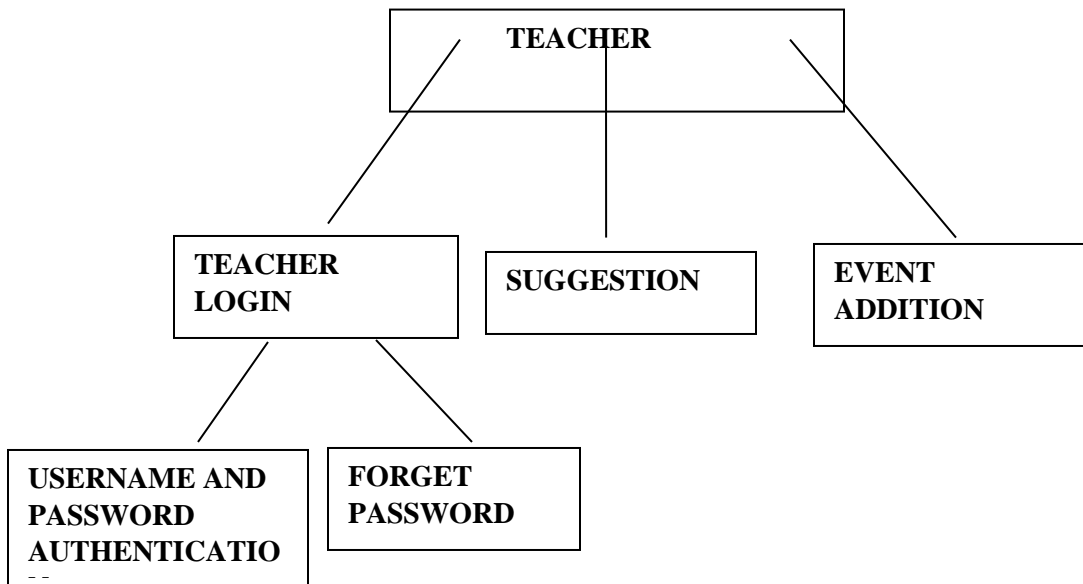
The following module contains various facilities like student registration, student login, online book reservation, and event addition. Any student if at any moment forgets his password he can retrieve it from forgot password option.

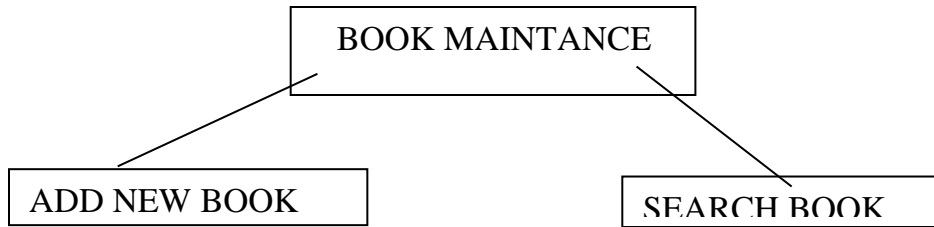### 4.1.3.2 Screenshot for Student login

4.1.4 Teacher Module

The following module contains various facilities like teacher login, suggestions, and event addition. Further any teacher if at any moment forgets his/her password he/she can retrieve it from 'forgot password' option.
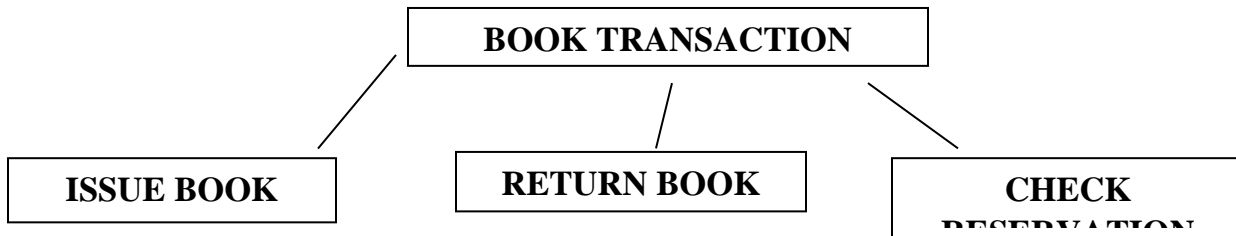
4.1.4.3 Screenshot for teacher's login

☐☐**4.1.5 Book Module**

The following module contains various facilities like add new book and search book. In the 'add new book' section if any new book comes in the library then the librarian can add its specifications. Similarly if the user wants to search for a specific book then he/she can use search book option to do it.

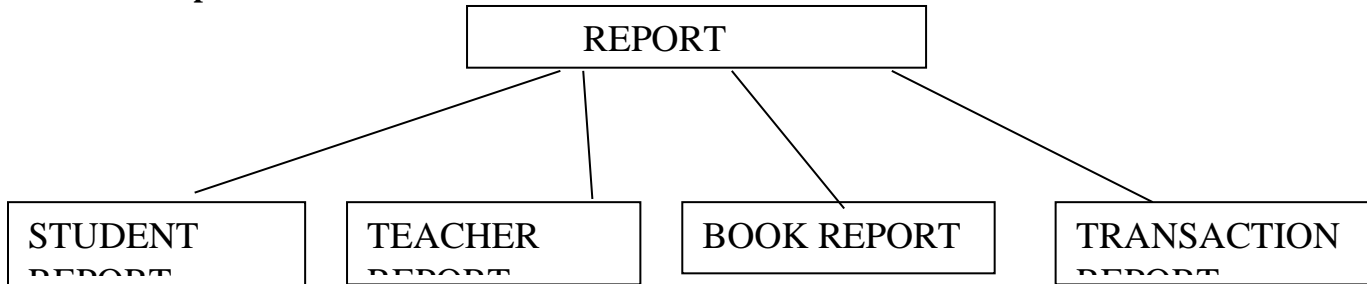- **4.1.5.4 Book Transaction Module**

The following module contains various facilities like issue book, return book and check reservation.

4.1.5.4 Screenshot for Book search

4.1.6 Report Module

```
                        ┌─────────────────────┐
                        │       REPORT        │
                        └─────────────────────┘
        ┌───────────────┬──────────┴──────────┬───────────────────┐
┌───────────────┐ ┌───────────────┐ ┌───────────────┐ ┌───────────────┐
│   STUDENT     │ │   TEACHER     │ │  BOOK REPORT  │ │  TRANSACTION  │
│   REPORT      │ │   REPORT      │ │               │ │   REPORT      │
└───────────────┘ └───────────────┘ └───────────────┘ └───────────────┘
```

The following module contains various facilities like student report, teacher report, book report, and transaction report.

PROGRAM SOURCECODE

```php
<?php
//Start session
session_start();
//Unset the variables stored in session
unset($_SESSION['SESS_FIRST_NAME']);
unset($_SESSION['SESS_LAST_NAME']);
?>
<!DOCTYPE html>
<html xml:lang="EN" lang="EN" dir="ltr">
<head> <title>NOUN LIBRARY INFORMATION SYSTEM</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="imagetoolbar" content="no" />
<link rel="stylesheet" href="../styles/layout.css" type="text/css" />
<!-- Homepage Specific Elements -->
<script type="text/javascript" src="../scripts/jquery-1.4.1.min.js"></script>
<script type="text/javascript" src="../scripts/jquery-ui-1.7.2.custom.min.js"></script>
<script type="text/javascript" src="../scripts/jquery.tabs.setup.js"></script>
<!-- End Homepage Specific Elements -->
</head>
<body id="top">
<div class="wrapper row1">
<div id="header" class="clear">
<div class="fl_left"> Library Management System Division Of Computer Science And Engineering
Page 31
<h1><a href="homepage.php">NOUN LIBRARY MANAGEMENT SYSTEM</a></h1>
<p></p>
</div>
<div class="fl_right">
<ul>
<li><a href="http://localhost/xampp/project/library/homepage.php">Home</a></li>
<li><a href="http://localhost/xampp/project/library/contact/Contactus.php">Contact Us</a></li>
<li><a href="http://localhost/xampp/project/library/egateway/egateway.php">E-Gateway</a></li>
<li><a href="http://localhost/xampp/project/library/studentlogin/studentlogin.php">Student
Login</a></li>
```

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```html
<li ><a href="teacherlogin.php">Teacherlogin</a></li>
<li><a href="http://localhost/xampp/project/library/admin/adminlogin.php">Adminlogin</a></li>
</ul>
<form action="#" method="post" id="sitesearch">
<fieldset>
<strong>Search:</strong>
<input type="text" value="Search Our webiste for books;" onfocus="this.value=(this.value=='Search
Our website for books;')? '' : this.value ;" />
<input type="image" src="../images/search.gif" id="search" alt="Search" />
</fieldset>
</form>
</div>
</div>
</div>
<!--
#############################################################################################
##################### -->
<div class="wrapper row2">
<div class="rnd">
<!-- ###### -->
<div id="topnav">
<ul>
<li class="active"><a href="http://localhost/xampp/project/library/homepage.php">Home</a></li>
<li><a href="http://localhost/xampp/project/library/newarrivals.php">New Arrivals</a></li>
<li><a href="http://localhost/xampp/project/library/onlinebooks.php">Online Books</a></li> Library
Management System Division Of Computer Science And Engineering Page 32
<li><a href="http://localhost/xampp/project/library/egallery.php">E Gallery</a></li>
<li><a href="http://localhost/xampp/project/library/questionpaper.php">Question Paper</a></li>
<li><a href="http://localhost/xampp/project/library/aboutus.php">About Us</a></li>
<li><a href="http://localhost/xampp/project/library/bookissue.php">Book Issue </a></li>
<li class="last"><a href="#"></a></li>
</ul>
</div>
<!-- ###### -->
</div>
</div>
<!--
#############################################################################################
##################### -->
<div class="wrapper">
<div id="featured_slide" class="clear">
<!-- ###### -->
<div class="overlay_left"></div>
<div id="featured_content">
<div class="featured_box" id="fc1"><img src="../images/demo/slider/1.gif" alt="" />
<div class="floater">
<h2>All ABOUT SOE LIBRARY</h2>
<p>School oF Engineering Library or the S.O.E library is one of the finest library in kerela having a
good collection of books related to various subjects</p>
```

```html
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id= "fc2"><img src="../images/demo/slider/2.gif" alt="" />
<div class="floater">
<h2>Existence</h2>
<p>School oF Engineering library came into existence in year 1995 and from then on it has been a premier source of information for college students</p>
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id="fc3"><img src="../images/demo/slider/3.gif" alt="" />
<div class="floater">
<h2>Collection</h2>
<p>School of Engineering Library has a collection of over 25000 books related to various subjects in engineering</p> Library Management System Division Of Computer Science And Engineering Page 33
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id="fc4"><img src="../images/demo/slider/4.gif" alt="" />
<div class="floater">
<h2>E-Repository</h2>
<p>School oF Engineering Library has a collection of 6000 cds and 2800 online journals and also has a section where teachers upload their lectures notes and student can download them.</p>
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id="fc5"><img src="../images/demo/slider/5.gif" alt="" />
<div class="floater">
<h2>Latest News and events</h2>
<p></p>
<p class="readmore"><a href="#">Click here to go to latest news page;</a></p>
</div>
</div>
</div>
<ul id="featured_tabs">
<li><a href="#fc1">All About The Library</a></li>
<li><a href="#fc2">Existence</a></li>
<li><a href="#fc3">Collection of Books</a></li>
<li><a href="#fc4">E-Repository</a></li>
<li class="last"><a href="#fc5">Latest News &amp; Events</a></li>
</ul>
<div class="overlay_right"></div>
<!-- ###### -->
</div>
</div>
<!--
################################################################################
#################### -->
```

```html
<div class="wrapper row3">
<div class="rnd">
<div id="container" class="clear">
<!--
############################################################################
##################### -->
<div id="homepage" class="clear">
<!-- ###### -->
<div id="left_column"> Library Management System Division Of Computer Science And Engineering
Page 34
<h2>Sugeestion</h2>
<div class="imgholder"><a href="#"><img src="../images/images/suggestions.jpg" alt="" /></a></div>
<h2>Book request</h2>
<div class="imgholder"><a href="#"><img src="../images/images/bookrequest1.jpg" alt=""
/></a></div>
<h2>Account creation</h2>
<div class="imgholder"><a href="#"><img src="../images/images/account.jpg" alt="" /></a></div>
<h2>Photos</h2>
<div class="imgholder"><a href="#"><img src="../images/images/photos.jpg" alt="" /></a></div>
</div>
<!-- ###### -->
<div id="latestnews">
<h2>Pls enter username and password to login</h2>
<table>
<form action="checklogin.php" method="post"><br><br>
Username:<input name="username" type="text" maxlength="12"><br><br>
Password:<input name="password" type="password" maxlength="12">
<input name="submit" type="submit">
</form>
</table>
</div>
<!-- ###### -->
<!-- ###### -->
</div>
<!--
############################################################################
#################### -->
<!--
############################################################################
#################### -->
<div id="academiclinks" class="clear">
<h2>Quickly Find What You Are Looking For</h2>
<div class="linkbox">
<ul>
<li><a href="http://localhost/xampp/project/library/homepage.php">&raquo; Home</a></li>
<li><a href="http://localhost/xampp/project/library/studentlogin.php">&raquo; Student Login</a></li>
<li><a href="teacherlogin.php">&raquo; Teacher Login</a></li>
<li><a href="http://localhost/xampp/project/library/adminlogin.php">&raquo; Adminlogin</a></li>
Library Management System Division Of Computer Science And Engineering Page 35
```

```html
<li><a href="http://localhost/xampp/project/library/newarrival.php">&raquo; New Arrivals</a></li>
<li><a href="http://localhost/xampp/project/library/onlinebooks.php">&raquo; Online Books</a></li>
<li><a href="http://localhost/xampp/project/library/egallery.php">&raquo; E-Gallery</a></li>
<li><a href="http://localhost/xampp/project/library/aboutus.php">&raquo; About Us</a></li>
<li><a href="http://localhost/xampp/project/library/contactus.php">&raquo; Contact Us</a></li>
<li><a href="http://localhost/xampp/project/library/questionpaper.php">&raquo; Question
Papers</a></li>
<li><a href="http://localhost/xampp/project/library/latestnews.php">&raquo; Latest Events &
News</a></li>
</ul>
        </div>
<!--
#############################################################################################
#################### -->
</div>
        </div>
                </div>
<!--
#############################################################################################
#################### -->
<div class="wrapper">
<div id="copyright" class="clear">
<p class="fl_left">Copyright &copy; 2014 - All Rights Reserved for NOUN LIBRARY-</p>
</div> </div> </body> </html>


<?php
session_start();
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // db_password
$db_name="admin"; // Database name
$tbl_name="adminlogin"; // Table name
// Connect to server and select databse.
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
// username and password sent from form
$myusername=$_POST['username'];
$mypassword=$_POST['password'];
$sql="SELECT * FROM $tbl_name WHERE username='$myusername' and password='$mypassword'";
$result=mysql_query($sql);
// Mysql_num_row is counting table row
$count=mysql_num_rows($result);
// If result matched $myusername and $mypassword, table row must be 1 row
if($count>0)
{ session_regenerate_id();
$member = mysql_fetch_assoc($result);
$_SESSION['SESS_FIRST_NAME'] = $member['username'];
$_SESSION['SESS_LAST_NAME'] = $member['password'];
```
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```php
session_write_close();
header("location: adminlogin1.php");
exit(); }
else {
//Login failed
$errmsg_arr[] = 'user name and password not found';
$errflag = true;
if($errflag) {
$_SESSION['ERRMSG_ARR'] = $errmsg_arr;
session_write_close();
header("location: adminlogin.php");
exit(); }
                }
?>


<?php
require '../include/connection.php';
$result = mysqli_query($con,"SELECT * FROM student");
while($row = mysqli_fetch_array($result)) {
$libid=$row['libid'] ;
$regno= $row['regno'] ;
$name= $row['stuname'] ;
$branch= $row['branch'] ;
$semester= $row['semester'] ;
$section= $row['section'] ;
$yearofadm= $row['yearofadm'];
$email=$row['email'];
$username= $row['username'];
$password= $row['password'];
}
mysqli_close($con);
?>
<?php
require '../include/connection1.php';
$admin="admin@soelibrary.com";
$sql="INSERT INTO student(Libid,regno,stuname,branch,semester,section,yearofadm)
VALUES ('$libid','$regno','$name','$branch','$semester','$section','$yearofadm')";
$result="INSERT INTO studentlogin(logid,username,password,numbooks)
VALUES ('$libid','$username','$password','')";
if (!mysqli_query($connection,$sql)) {
die('Error1: ' . mysqli_error($connection)); }
else if (!mysqli_query($connection,$result)) {
die('Error2: ' . mysqli_error($connection));  }
else
mail($email,"registrationdetails","you are registered pls login with ur email id and password","From:
$admin\n");
echo"added 1 record";
mysqli_close($connection);
?>
```

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```php
<?php
require '../include/connection.php';
$result = mysqli_query($con,"SELECT * FROM student");
while($row = mysqli_fetch_array($result)) {
$libid=$row['libid'] ;
$regno= $row['regno'] ;
$name= $row['stuname'] ;
$branch= $row['branch'] ;
$semester= $row['semester'] ;
$section= $row['section'] ;
$yearofadm= $row['yearofadm'];
$email=$row['email'];
$username= $row['username'];
$password= $row['password
}
$sql = mysqli_query($con,"DELETE FROM student WHERE libid='$libid'");
mysqli_close($con);

?>

<?php
$con=mysqli_connect("localhost","root","","library");
// Check connection
if (mysqli_connect_errno())
{
echo "Failed to connect to MySQL: " . mysqli_connect_error();
}
$sql="INSERT INTO books (code, bookname, author, publication, subject, numberofbooks)
VALUES
('$_POST[bookid]','$_POST[bookname]','$_POST[author]','$_POST[publication]','$_POST[subject]','$_POST[numberofbooks]')";
if (!mysqli_query($con,$sql))
{
echo "error";
}
echo "successs";
mysqli_close($con);
?>
<?php
$con=mysqli_connect("localhost","root","","admin");
// Check connection
if (mysqli_connect_errno())
{
echo "Failed to connect to MySQL: " . mysqli_connect_error();
}
$sql="INSERT    INTO    newarrivals    (code,    bookname,    author,    publication,    subject,
numberofbooks,arrivaldate)
VALUES
```

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```php
('$_POST[bookid]','$_POST[bookname]','$_POST[author]','$_POST[publication]','$_POST[subject]','$_POST[numberofbooks]','$_POST[arrivaldate]')";
if (!mysqli_query($con,$sql))
{
echo "error";
}
echo "successs";
mysqli_close($con);
?>
```

```html
<!DOCTYPE html>
<html xml:lang="EN" lang="EN" dir="ltr">
<head>
<title>SOE LIBRARY INFORMATION SYSTEM</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="imagetoolbar" content="no" />
<link rel="stylesheet" href="../styles/layout.css" type="text/css" />
<!-- Homepage Specific Elements -->
<script type="text/javascript" src="../scripts/jquery-1.4.1.min.js"></script>
<script type="text/javascript" src="../scripts/jquery-ui-1.7.2.custom.min.js"></script>
<script type="text/javascript" src="../scripts/jquery.tabs.setup.js"></script>
<!-- End Homepage Specific Elements -->
</head>
<body id="top">
<div class="wrapper row1">
<div id="header" class="clear">
<div class="fl_left">
<h1><a href="homepage.php">SOE LIBRARY MANAGEMENT SYSTEM</a></h1>
<p></p>
</div>
<div class="fl_right">
<ul>
<li><a href="http://localhost/xampp/project/library/homepage.php">Home</a></li>
<li><a href="http://localhost/xampp/project/library/contact/Contactus.php">Contact Us</a></li>
<li><a href="http://localhost/xampp/project/library/egateway/egateway.php">E-Gateway</a></li>
<li><a href="http://localhost/xampp/project/library/studentlogin/studentlogin.php">Student
Login</a></li>
<li ><a
href="http://localhost/xampp/project/library/teachrlogin/teacherlogin.php">Teacherlogin</a></li>
<li><a href="http://localhost/xampp/project/library/admin/adminlogin.php">Adminlogin</a></li>
</ul>
<form action="#" method="post" id="sitesearch">
<fieldset>
<strong>Search:</strong>
<input type="text" value="Search Our webiste for books;" onfocus="this.value=(this.value=='Search
Our website for books;')? '' : this.value ;" />
<input type="image" src="../images/search.gif" id="search" alt="Search" />
</fieldset>
```

```
</form>
</div>
</div>
</div>
<!--
############################################################################
#################### -->
<div class="wrapper row2">
<div class="rnd">
<!-- ###### -->
<div id="topnav">
<ul>
<li class="active"><a href="homepage.php">Home</a></li>
<li><a href="newarrivals.php">New Arrivals</a></li>
<li><a href="onlinebooks.php">Online Books</a></li>
<li><a href="egallery.php">E Gallery</a></li>
<li><a href="questionpaper.php">Question Paper</a></li>
<li><a href="aboutus.php">About Us</a></li>
<li><a href="bookissue.php">Book Issue </a></li>
<li class="last"><a href="#"></a></li>
</ul>
</div>
<!-- ###### -->
</div>
</div>
<!--
############################################################################
#################### -->
<div class="wrapper">
<div id="featured_slide" class="clear">
<!-- ###### -->
<div class="overlay_left"></div>
<div id="featured_content">
<div class="featured_box" id="fc1"><img src="../images/demo/slider/1.gif" alt="" />
<div class="floater">
<h2>All ABOUT SOE LIBRARY</h2>
<p>School oF Engineering Library or the S.O.E library is one of the finest library in kerela having a
good collection of books related to various subjects</p>
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id= "fc2"><img src="../images/demo/slider/2.gif" alt="" />
<div class="floater">
<h2>Existence</h2>
<p>School oF Engineering library came into existence in year 1995 and from then on it has been a
premier source of information for college students</p>
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
```

```html
<div class="featured_box" id="fc3"><img src="../images/demo/slider/3.gif" alt="" />
<div class="floater">
<h2>Collection</h2>
<p>School of Engineering Library has a collection of over 25000 books related to various subjects in
engineering</p>
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id="fc4"><img src="../images/demo/slider/4.gif" alt="" />
<div class="floater">
<h2>E-Repository</h2>
<p>School oF Engineering Library has a collection of 6000 cds and 2800 online journals and also has a
section where teachers upload their lectures notes and student can download them.</p>
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id="fc5"><img src="../images/demo/slider/5.gif" alt="" />
<div class="floater">
<h2>Latest News and events</h2>
<p></p>
<p class="readmore"><a href="#">Click here to go to latest news page;</a></p>
</div>
</div>
</div>
<ul id="featured_tabs">
<li><a href="#fc1">All About The Library</a></li>
<li><a href="#fc2">Existence</a></li>
<li><a href="#fc3">Collection of Books</a></li>
<li><a href="#fc4">E-Repository</a></li>
<li class="last"><a href="#fc5">Latest News &amp; Events</a></li>
</ul>
<div class="overlay_right"></div>
<!-- ###### -->
</div>
</div>
```

SAMPLE OUTPUT

CHAPTER 5
CONCLUSION

5.1 Summary
This website (Online Library) provides a computerized version of library management system which will benefit the students as well as the staff of the library.

It makes entire process online where student can search books; staff can generate reports and do book transactions. It also has a facility for student login where student can login and can see status of books issued as well request for book or give some suggestions. It has a facility of teacher's login where teachers can add lectures notes and also give necessary suggestion to library and also add info about workshops or events happening in our college or nearby college in the online notice board.

There is a future scope of this facility that many more features such as online lectures video tutorials can be added by teachers as well as online assignments submission facility, a feature

Of group chat where students can discuss various issues of engineering can be added to this project thus making it more interactive more user friendly and project which fulfills each users need in the best way possible.

5.2 Conclusion
The aim of the system testing process was to determine all defects in our project .The program was subjected to a set of test inputs and various observations were made and based on these observations it will be decided whether the program behaves as expected or not.

Our Project went through two levels of testing
1. Unit testing
2. Integration testing

REFERENCES

- **Adamson (2008**) An integrated library system, also known as a library management system is an enterprise resource planning system for a library, used to track items owned, orders made, bills paid, and users who have borrowed.
- **Ademodi & Adepoju, (2009)** investigated the computer skill among librarians in academic libraries on Ondo and Ekiti State in Nigeria.
- **Ashutosh & Ashish, (2012)** the Online-Library Information System is an Online-Library platform mostly used for monitoring and controlling the transactions in a library.
- **Johnson, (2007)** explained more about library and information science education in developing countries.
- **Rahman, Khatun and Islam, (2008)** reviewed the library education in Bangladesh.
- **Rasmus Lerdorf (1995**) the reference implementation of PHP is now produced by The PHP Group.
- **Nepal, Siwakoti, (2008)** found that there was no government agency to control, monitor and evaluate the school libraries activities.

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీ విద్యాప్రవర్తకం

PROJECT WORK

Name of the Student : G. Sirisha

H.T No : 1611008

Class : III B.A (H.E.P)

Topic : Indian Economy - Agriculture

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project Indian

Economy - Agriculture done by G. Sireesha of III B.A. (H.E.P)

under the guidance of Dr KILARU YAMUNA Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. Yamun
Signature of the faculty

K. Yamun
Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

శ్రీమత్రిపురసుందరి

PROJECT WORK

Name of the Student : KATADI. ASHA JYOTHI

H.T No : 1611005

Class : III BA [HEP]

Topic : Demonetization.

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project

Demonetization project done by K. Asha Jyothi of III B.A. (H.E.P)

under the guidance of Dr. Kiloru. yamuna   Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. Yamuna   K. Yamuna

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్వవిద్యప్రవర్ధకం

PROJECT WORK

Name of the Student : A. Lakshmi Samyuktha

H.T No : 1611008

Class : III B.A H.E.P

Topic : polavaram project

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project

Polavaram Project done by A.L. Samyuktha of III B.A. (H.E.P) under the guidance of Dr. KILARU YAMUNA Lecturer in Economics in A.S.D. Government Degree College for Women (A), Kakinada during the year 2018-19. The project carried out by the students is satisfactory.

K. Yamin
Signature of the faculty

K. Yamin
Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

ప్రజ్ఞాప్రపంచం

PROJECT WORK

Name of the Student : B. Pavani

H.T No   : 1611010

Class   : III BA [HEP]

Topic   : Organic farming.

Date   :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project

Organic forming   done by B.Paveni of III B.A. (H.E.P)

under the guidance of   Dr. K. yamuna   Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. yamuna   K. yamuna

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీవిద్యాప్రవర్తకం

PROJECT WORK

Name of the Student : CHILUKOTI TULASI

H.T No : 1611012

Class : III BA [HEP]

Topic : GOODS AND SERVICE TAX

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project [G·S·T]

Goods and service Tax   done by Ch. Tulsi of III B.A. (H.E.P)

under the guidance of KILARU YAMUNA   Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K· Yamun   K- Yamun

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీ విద్యా ప్రపవర్ధకం

PROJECT WORK

Name of the Student : Dabbakota Durgamahalakshmi

H.T No : 1611014

Class : III BA [H.E.P]

Topic : Foreign Direct Investment

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project FDI - Foreign Direct Investment done by ~~~~ of III B.A. (H.E.P)

under the guidance of Kidaru Yamuna Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. Yamuna   K. Yamuna

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

శ్రీ విద్యా ప్రదాయినీం

PROJECT WORK

Name of the Student : Devarakonda Suryavathi

H.T No : 1611016

Class : III B.A [H.E.P]

Topic : Self help groups.

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project

Self help. groups project done by *D Suryavathi* of III B.A. (H.E.P)

under the guidance of *Dr. Kilaru. yamuna* Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. Yamin
Signature of the faculty

K. Yamin
Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీ విద్యా ప్రసర్గశాం

PROJECT WORK

Name of the Student : Gude. MAHA LAKSHMI

H.T No : 1611019

Class : III B·A [HEP]

Topic : Demonetisation

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project

Demonetization project done by G. mahalakshmi of III B.A. (H.E.P)

under the guidance of Dr. Kilaru. yamuna Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. yamuna
Signature of the faculty

K. yamuna
Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీవిద్యాప్రవర్తకం

PROJECT WORK

Name of the Student : G. Parvathi

H.T No : 1611021

Class : III B.A(H.E.P)

Topic : Agriculture and Indian Economy

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

/

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project Agriculture and Indian Economy done by G. parvathi of III B.A. (H.E.P) under the guidance of Dr. k. yamuna Lecturer in Economics in A.S.D. Government Degree College for Women (A), Kakinada during the year 2018-19. The project carried out by the students is satisfactory.

K. yamun)   K. yamun

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

శ్రీవిద్యాప్రవర్ధకం

PROJECT WORK

Name of the Student : KARRI ESWARI

H.T No : 1G11023

Class : III BA (HEP)

Topic : Goods and service Tax

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

[G·S·T]

Goods and service Tax

This is to be certified that the study project (G·S·T) done by K·Eswari of III B.A. (H.E.P) under the guidance of Dr· KILARU YAMUNA Lecturer in Economics in A.S.D. Government Degree College for Women (A). Kakinada during the year 2018-19. The project carried out by the students is satisfactory.

K. Yamuna

Signature of the faculty

K. Yamuna

Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

PROJECT WORK

Name of the Student : Madada. Satya veni

H.T No : 1611031

Class : III B.A HEP

Topic : Indian Economy - Agriculture

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project Indian

ECONOMY - Agriculture done by r. Safja aj of III B.A. (H.E.P)

under the guidance of Dr. K. yamuna Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. yamun   K. yamuna

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీ విద్యాప్రవర్తకం

PROJECT WORK

Name of the Student : M. Aruna

H.T No : 1611033

Class : III B.A (H.E.P)

Topic : Polavaram project

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project

Polavaram Project done by M. Aswaof III B,A. (H.E.P)

under the guidance of **Dr. KILARU YAMUNA** Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. Yamun
Signature of the faculty

K. Yamun
Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

PROJECT WORK

Name of the Student : M. parvathi

H.T No : 1611034

Class : III BA [HEP]

Topic : organic farming.

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project

organic farming   done by H.parvathi of III B.A. (H.E.P)

under the guidance of   Dr. K. YAMUNA   Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K. Yamuna   K. Yamuna

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

PROJECT WORK

Name of the Student :   Maninepalli Devi prasanna

H.T No   :   1611035

Class   :   III B.A [H.E.P]

Topic   :   with adaptions (E.01)

Date   :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

DEPARTMENT OF ECONOMICS

STUDENT STUDY PROJECT ON

Done by

Name of the student :- Mannepalli Deviprasanna

H-T NO :- 1611035

Class :- III B.A (H.E.P)

Topic :- దేశ జాతీయ ఆదాయము

A.S.D GOVERNMENT DEGREE COLLEGE FOR WOMEN
KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీ విద్యాప్రపవర్ధతాం

PROJECT WORK

SUBMITTED BY:

NAME: M. Yamuna Kumari

HT.NO: 1611037

GROUP: III B.A HEP

TOPIC: ఎఫ్.డి.ఐ విదేశీ (పెట్టుబడి పెట్టుబడులు

TO

Dr.K.YAMUNA

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project [FDI] foreign Direct Investment done by M. Aruna Kumari of III B.A. (H.E.P) under the guidance of Dr K.Yamuna, Lecturer in Economics in A.S.D. Government Degree College for Women (A), Kakinada during the year 2019-20. The project carried out by the students is satisfactory.

K. Yamun

Signature of the faculty

K. Yamun

Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీ విద్యా ప్రవర్ధనం

PROJECT WORK

Name of the Student : Senu. Kameswari

H.T No　　　　　 : 1611048

Class　　　　　　: IIInd B.A (H.E.P)

Topic　　　　　　: G.S.T. [Goods and Service tax]

Date　　　　　　:

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project $\left(\text{G.ST}\right)$

Goods and service Tax done by Sjareesti of III B.A. (H.E.P)

under the guidance of Dr KILARU YAMUNA Lecturer in

Economics in A.S.D. Government Degree College for Women (A),

Kakinada during the year 2018-19. The project carried out by the

students is satisfactory.

K- Yamuna
Signature of the faculty

K- Yamuna
Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్త్రీ విద్యా ప్రసర్తకాం

PROJECT WORK

Name of the Student : S.k. Basheeramma

H.T No : $.1611049

Class : III B.A (H.E.P)

Topic : Indian Economy - Agriculture

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project **Indian Economy - Agriculture** done by **Sk. Basheeramma** of III B.A. (H.E.P) under the guidance of **Dr. KILARU YAMUNA** Lecturer in Economics in A.S.D. Government Degree College for Women (A), Kakinada during the year 2018-19. The project carried out by the students is satisfactory.

Signature of the faculty   Signature of the In-charge   Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

శ్రీ విద్యాప్రదాయిణి:

PROJECT WORK

Name of the Student : Thotakura Jyothi

H.T No : 1611050

Class : III B.A [HEP]

Topic : (ఎఫ్ డి ఐ) విదేశీ ర్యత్యక్ష పెట్టుబడులు

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project [F D1] Foreign Direct Investment done by T. Jyothi of III B.A. (H.E.P) under the guidance of Dr. KILARU YAMUNA Lecturer in Economics in A.S.D. Government Degree College for Women (A), Kakinada during the year 2018-19. The project carried out by the students is satisfactory.

K. Yamuna

Signature of the faculty

K. Yamuna

Signature of the In-charge

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
JAGANNAICKPUR, KAKINADA

DEPARTMENT OF ECONOMICS

స్విద్యాప్రపత్తరాం

PROJECT WORK

Name of the Student : **Thotakura Jyothi**

H.T No : **1611050**

Class : **III B.A [HEP]**

Topic : (యఫ్ డి ఐ) విదేశీ ప్రత్యక్ష పెట్టుబడులు

Date :

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

STUDENT STUDY PROJECT ON

Done by

Name of the student :- T. Jyothi

H·T· NO :- 1611050

class :- III BA [H·G·P]

Topic :- [FDI] విదేశీ ప్రత్యక్ష పెట్టుబడులు

A.S.D. Govt. Degree College for Women (Autonomous), Kakinada

(Accredited by NAAC with "B" in Cycle 3)

(Affiliated to Adikavi Nannayya University)

DEPARTMENT OF ECONOMICS

CERTIFICATE

This is to be certified that the study project [F D I] Foreign Direct Investment done by T. Jyothi of III B.A. (H.E.P) under the guidance of Dr. KILARU YAMUNA Lecturer in Economics in A.S.D. Government Degree College for Women (A), Kakinada during the year 2018-19. The project carried out by the students is satisfactory.

K. Yamuna
Signature of the faculty

K. Yamuna
Signature of the In-charge

Signature of the Principal

INDEX

Foreign Direct Investment

మూడు నాళం పెరిగిన విదేశీ పెట్టుబడులు :-

భారతేల్ విదేశీ పెట్టుబడులు 3 నాళం పెరిగాయని, వీనీ వల్ల 2017-18 లో 61.96 బిలియన డాలర్లు పెట్టుబడులు వచ్చాయని కేంద్ర ప్రభుత్వ వర్గాలని ప్రిపిపిఐ కార్యర్తు రమేశ్ అభిషేక్ తెలిపారు. అంతకు మునుపు వచ్చిన విదేశీ పెట్టుబడులు 60 బిలియన డాలర్లు వచ్చాయన్నాడు. గత నాలుగేళ్ళ లెక్కలో వచ్చిన విదేశీ పెట్టుబడుల మొత్తం 222.75 డాలర్లని చెప్పారు. అంతకు ముందు నాలుగేళ్ళ 152 బిలియన డాలర్లు వచ్చాయన్నాడు. రక్షణ, వైద్య సేవలు, నిర్మాణ రంగం, ఆహార్యర్థి, రిటైల్, మారవ ఇహనయూన రంగాల్లో విదేశీ పెట్టుబడులతు ఆయంతిరాఖ ఉన్న

మింగభాలు సరళ్యేయు చేసాయుర్వొయు. షూర రంగం, వెంచ్వరే
పెట్టుబడి, డాక్ష్మడి, టెలికమ్మ్యూనికేషన్, బిలాసం, ట్రేడింగ్, ఆటో-
మొబైలే రంగాల ఎతరాగా విదేశీ పెట్టుబడులు వచ్చాయర్వొయు.
మూరిషస్, సింగపూరే, జపాన్, నెదర్లాండ్స్, అమెరికా, జర్మనీ,
ఫ్రాన్స్, యునైటెడ్ అరబ్ ఎమిరేట్స్ నుండి విదేశీ పెట్టు-
బడు, భారతేల విదేశీ పెట్టుబడుల గ తరిగే ఆధార్యరమ్మ
చేయుం వరుకుటుంది.

భారత్‌లో విదేశీ పెట్టుబడులు

తాగా ౦యువనే ఇటీవల నివేదిక ప్రకారం భారతేల
విదేశీ పెట్టుబడులు ఖు బిలియన్ డాల్ర నుండి ఖ౦ బిలియన్
డాల్రకు అర్వొయర్వొయు. కాగా తర్వనాత్రాల భారత పెట్టుబడుల
రెట్టింపు ఆయ్యాయు. తాగా కొన్ని వుల్లి యూరో ద్రవ్య ఇవరే
విదేశాల మార్గాడుతూ ఇనెవెస్తురయుటును వృత్తి చేసిందువు

తెలుగు హీరో పెట్టుబడుల రీయోషన్ చర్చను ఎత్తుకు చేసాయన్నారు. విఖ్నేశ్వరె యాహూ, అమెరికాకు చెందిన ఎల్ట్రీ తార మనెర బిశ్రా సంస్థలు భారత్లో పెట్టుబడులను మందుకు వచ్చే స్వాగతిస్తుయన్నారు. ఈ రెండు సంస్థలు నుంచి రుతిమరుసలు కషం వయరుమంత్ర్ఞ్యన్ఞ్యారు. ఐ ఘ్నె, ఐషో డ్ లేయంరి సంస్థలు కర్నీ రాయురెల కర్ఞారసి లును వెళ్ళిరు.

ఎఫ్ డి ఐ ఘ్ఘ 5 ఏళ్ళ కనిష్ఠానికే :-

భారతదేశ హీరిని ఉల్లనే పెట్టుబడులు (ఎఫ్ డి ఐ) కెతోర్ళ్ స్క్యూల్ 2017-18 ఉర్ఞ్కె సంవత్సరంల్ 5 ఉర్ఞ్ కనిష్ఠానికి (3%) తగ్గి 44.85 బిలియన్ డాలర్ఝ్ఝ తేరాయి. ఓవార్వ్యేురు ఆఫ్ సంఘ్వ్మ్యయల్ మెలుని ఉంటె రీయోగన్ బార సమయంబం రీహారం ఈ కసాంతాలు తెలువద్ధ్యం. ఈఉరతు మేగన

సంవత్సరాల్లో 2013-14ల 8%, 2014-15ల 27%, 2015-16ల 29%, 2016-17 ల 8.67% మేర వృద్ధి చోటు చేసుకుంది. గత ఆర్థిక సంవత్సరాల ఎగుమతి వివరాల నిధులు పట్టిన రూగాళ్ళ సేవా రంగం (6.7 బిలియన డాలర్లు), కంప్యూటర్ సాఫ్ట్వేర్ అండ్ హార్డ్వేర్ (6.15 బిలియన డాలర్లు), ఔషధం (6.21 బిలియన డాలర్లు), ట్రేడింగ (4.34 బిలియన డాలర్లు), నిర్మాణ రంగం (2.73 బిలియన డాలర్లు), ఆటో మొబైల్ (2 బిలియన డాలర్లు), విద్యుత (1.62 బిలియన డాలర్లు) ప్రధానంగా ఉన్నాయి.

ఇంత ఈ తాలూ హెచాయ ఇంట్లో పెట్టుబడులు వారినయు వల్ల మొత్తం పెట్టుబడుల పై ప్రభావం పడం లేదు. విదేశీ పెట్టుబడులను సులభతర వాణిజ్య నిర్వహణ వాతావరణం ఉండటం ఆయొల్లిప. విదేశీ పెట్టుబడియారులను ఆకర్షియెంచియకు హెచాయ పెట్టుబడులను మోదడం, ఈజ్ ఆఫ్ డూయింగ బిజినెస మెరుగుపరచడం వంటివి చాలా ముఖ్యమైన అంగాలని నిధువులు చెయుటున్నాయు. ఎఫ.ఓ.ఐ వాటాలో ఇన్న దక్షిణేటల తారుంలగాన వినియోగవాం

ವಸ್ತುಗಳು, ಕಟ್ಟಡ ರಂಗಲ್ಲ ಎಫ್.ಡಿ.ಐ.ಲ ಮುಖ್ಯ ಉತ್ಪನ್ನ
ಹೆಂಡದ ಮೂಲಕ ಇರೆಯಾಂ ಘಂಗಸ್ತ್ಯದಿ ಓ.ಡಿ.ಲ ಉತ್ತರೆ ಬೆ
ದಿದ್ದಾರು .

ಯಾಂವನಕ ಶೆಕ್ತಿವಿ.ಡಿ. ಹ್ಯೆಂಲ ಮತ್ತು ಭಾರತ್ಲ ಎಫ್.ಡಿ.ಐ.ಲ
ಉಕ್ಕಿನಲ್ಲು ಪೆಲ್ಲ ಬೆರೆಂಡ . ೨೦೧೬ರ ೪೪ ಬಿಲಿಯನ್ ಡೊಲರ್ ನುಂಕ
೨೦೧೭ ೪೦ ಬಿಲಿಯನ್ ಡೊಲರ್ತು ಎಫ್.ಡಿ.ಐ (ಯಾಂಯಾ ಉಕ್ಕಿನಲ್ಲು
ತಿ.ಲಿ.ಯ . ಈ ನಿಯಾಬಲ ಭಾರತಯೇ ನು ಸುಂಕ ಪೆಲ್ಲ ಶುಂಟ
ಲಿ.ಫುಲ್.ಫ್ಲ್ನ್ ಪೆ.ಕ್ಕಿನಲ್ಲು ೬ ಸಂಖ್ಯ ಪೆಲ್ಲ ಬೆರೆಂಡ . ಕೃಷ್ಣಕಾಯಾಂ ಲ
ಎಫ್.ಡಿ.ಐ.ಲತು ಬಾಲ ಮಧ್ಯಪ್ರದ ಈ ಸ್ಪೂಲ ೨೦೧೭ ಲ
ಶೆಂಟಿಂಟಲು ಹೆಲ್ಲಿ ೧೧ ಬಿಲಿಯನ್ ಡೊಲರ್ನು ಓ.ಲ.ನಲ್ಲು ಪೆ.ಕ್ಕಿಂಡ .

Foreign direct investment
$inflows, $trn
Economies:
  Transition*
  Developed
  Developing

1996   2000   05   10   14

*East European states,
western and south-east Europe

Source: UNCTAD

మే 1న మెరిసిన ఎఫ్‌డిఐ నిధులు :-

దేశంలో మొదటి త్రైమాసికంలో విదేశీ ప్రత్యక్ష నిధుల
(ఎఫ్‌డిఐ)ల రాక 7 శాతం 10.55 బిలియన్ డాలర్లుగా ఉంది.
జనవరి - మార్చి త్రైమాసికంలో ఈ నిధులు 9.88 బిలియన్
డాలర్లుగా ఉన్నాయి.

* బిఐపిఐ (ప్రాథమిక - వాహన ప్రొడక్షన్ రేట్) వెల్లడించిన
వివరాల మేరకు కంప్యూటర్ హార్డ్‌వేర్, సాఫ్ట్‌వేర్, సేవల రంగం,
టెలి కమ్యూనికేషన్స్, విద్యుత్, ఫార్మా, ట్రేడింగ్ ఎక్కువగా
ఎక్కువగా ఎఫ్‌డిఐ లు రాబట్టుకోగలిగాయి.

* హైదరాబాద్, సింగపూర్, మారిషస్, జపాన్, నెదర్లాండ్ల నుండి
ఎక్కువ నిధుల రాక జరిగింది.

* బడ్జెట్‌లో సైనా రంగంలో నిధుల వచ్చు విష్యంలో
40ళ్ల తరువాత జరిగిన మొదటిగా ఈ నిధులు మరిం
సులభతరం చేసిన సంగత తెలిసిందే. సేవల రంగం నుంచి,
పౌర విమానయానం, ఆహార గుడ్లు, విద్య, ఫార్మా, ప్రైవేటు
సెక్టారులో వికేసలు మొదలైన ఉన్నాయి.

* పెట్టుబడుల మీదగా వచ్చే దేశ ఆదాయాన ఆధ్ పెరిగిన్ ఇర్లింపుల నేపి రూపాల తెలువ నెయుటుండి.

పెరిగిన విదేశీ ప్రత్యక్ష పెట్టుబడులు :-

ఆర్థిక సంవత్సరం మొదటి ఆర్థ భాగంలో దేశంల్ వచ్చిన విదేశీ ప్రత్యక్ష పెట్టుబడులు (ఎఫ్డిఐ) 30 కాలం మరతు పెరిగినట్టు -ఆ తాలు సల్లడియాయు. ఏప్రిల్ - సెప్టెంబరు 2015- 16 ఆర్థిక సంవత్సరంల్ 16.63 బిలియన్ డాలర్లగా ఉన్న పెట్టుబడులు ప్రస్తుత ఆర్థిక సంవత్సరం మొదటి భాగంల్ 21.62 బిలియన్ డాలర్లగా నమోదైనట్టు -ఆ తా వళలు పెరిగాయి. అప్పారా నిర్ణయాను భయంభారిత ప్రభుత్వం చేపట్టిన సంగరాలు, ఎఫ్డిఐ ల నియంత్రణల్ మార్పులు తొటుచరవడంత పెట్టుబడుల ఆకర్షణకు కారణమని చెపుస్తుంది. నిర్మాణ, పార వినంగయాన రంగాల్ పెట్టుబడులు ఎతుబనో పళ్లినట్టు తెలిసరు.

సింగపుర్, నెదర్లాండ్స్, జమ్మన్ తదితర దేశాల మధు భారగా పెట్టుబడులు అరలి వచ్చాయి. కంప్యూటర్ హార్డవేర, సాఫ్ట్వేర, ఆటో మొబైల్ రంగాల్ల నిధుల ప్రవాహం అధికంగా

ప్రాజెక్టు మినహాయించి మాన్యుఫాక్చరింగ్ వివిధ ఇండస్ట్రీ వెంచర్లకు

ఎదురింగా రాయడం వల్ల సహాగద్వెక్టి ఏర్పడటం తాయూనికి

ఆగ్రహను వ్యక్తం చేసారు.

Foreign Direct Investment

2017 లో కొన్ని దేశాలకు ఎఫ్ డీ ఐల రాక :-

ఇతర దేశ ఇండస్ట్రీలకు ఎఫ్ డీ ఐల

రాయడం తగ్గి ముటే, భారత్ లో మాత్రం ఎక్కువ ఇనుగా ఉంది.

గత ఆర్థిక సంవత్సరం ఎఫ్ డీ ఐల రాక 9% పెరిగి ఇదే

43.5 బిలియన్ డాలర్లు చేరుకోగా. అదే చనవర్ల నుండి

ప్రాసెసింగ్ మాత్రం ఎఫ్ డీ ఐ. ఇన్ఫ్లో రాక 28% తగ్గి 7.6

బిలియన్ డాలర్లుగా ఉంది. సింగపూర్ ఆఫ్ ఇండియాలో పాలు

ప్రయోగ్ కు పేరు కుప్పారం ఇయరాంజ్ తీయల
నంయదు.

Mauribius remained India's top source of equity
inflows at $ 15.7 billion.

భారతేలే ఎఫ్ డీ ఐ ల రూ3 ఎళిళ హోల నుంచి ఈ

ఎళుగా ఉంది. మురిషస్ నుంచి 15.7 బిలియన డొల్లు, సింగపూర్

నుంచి 8.7 బిలియన డొల్లు నిధులు వచ్చాయి. నెదరలంగు

(8.9 బిలియన డొల్లు), జపాన (5.6 బిలియన డొల్లు) అతమ

నిధులను రాబట్టుకున్నాయి. 2014-15 నుంచి 2016-17 వరమో

మూడు ఉళ్ళ సంవత్సరాళ్ళ హేసంటే 114.41 బిలియన

డొల్లు ఎహీా నిధులు వచ్చాయి. 2011-12 , 2012-13,

2013-14 వరుస మూడు సంవత్సరాళ్ళ ఎత్తి ఇటివలి

మూడేళ్ళలో ఎఫ్‌డీఐ ఆస్తులు 03 40% వృద్ధి నమోదయింది.

న్యూఢిల్లీ :-

విదేశీ ఇన్వెస్టర్లు ఈ నెలలో దేశియ స్టాక్ మార్కెట్లో ఇప్పటి వరకు -అంటే మొదటి 5 ట్రేడింగ్ సెషనలలో రు. 2,741 కోట్ల నికర పెట్టుబడులు పెట్టారు. మార్కెట్ ఇంటిమెంట్ మెరుగు-పడ్డంత పాటు గ్లోబల్ మార్కెట్ల నుండి అనుకూలమైన సంకేతాలు రావడంత పాటు దేశియంగా అనుకూలమైన పరిశాలు వల్ల విదేశీ ఇన్వెస్టర్లు దేశీయ మార్కెట్లో పెట్టుబడులు పెట్టడానికి మొగ్గు చూపారు. ఇదే జోరు భవిష్యత్తులో కొనసాగవచ్చు-నని మార్కెట విశ్లేషకులు -అభిప్రాయపడ్డారు. ఫిబ్రవరిలో విదేశీ పోర్టు ఈక్విటీమో ఇన్వెస్టర్లు (ఎఫ్‌పీఐ)లు నికరంగా ఫ్యాషిట్

మారెటాల్ పాటు పెట్ మారెటొక్స రూ. 11.182 కోట్ల వరకు పెట్టుబడులు పెట్టాయి. రిపోజిటరిస డేటా ప్రకారం మార్చి 1-8 వరకు విదేశీ ఇన్వెస్టర్లు రూ. 5,621 కోట్ల పెట్టుబడులు పెడితే... వాటిలో రూ. 2,880 కోట్ల వరకు ఓటిట్ మారెట్ల నుండి పెట్టుబడులు కరిసింపోయాయి. ఇంత మొత్తానికి చూస్తే విదేశీ ఇన్వెస్టర్లు నికరంగా మార్కెట్ల పెట్టుబడులు పెట్టింది. రూ. 2,741 కోట్లుగా తేలింది. ఈ నెల 4వ తేదిన మహా శివరాత్రి సందర్భంగా మార్కెట్లకు సెలవు.

విదేశీ పెట్టుబడులు మార్కెట్ల పెట్టుబడులు పెట్టడానికి దోహతదిన పరిసామలకు కారణం... ఇన్వెస్ట్రైరకు మార్కెట్ల పై చూపతాండ్గిన సంటిమెంట్ హర్షించింది. వచ్చే ఎల్రిక్టల్ ఫలితాల పతవక్షలగా ఉంటాయిసేది ఒకే కారాంగి... దేస సరఫాయ్యాల ఉత్తేల తోడె చల్లబర్చం, విదేశీ ఇన్వెస్టర్లు తార్పరెట్ బార్డ్ పెట్టుబయల పై ఆర్ బి ఐ నిబంధనలను సడలియడం తశేదర ఇంకాలు కారాయిస విపరిష్టిన్మేది. గతంల విదేశీ ఇన్వెస్టర్లు కార్పరేట్ బార్డ్స 20 శాతం వరకు మాత్రమె పెట్టుబడులు చనయులితావొయారి. ప్రస్తుం ఈ నియగాల సడలింరడుత పాటు

రాజ్యాల ఆస్తిధారణ అధికార తారాశాల వల్ల వీటిని ఇన్వెస్టర్లు
భారత మార్కెట్ పెట్టుబడులు పెట్టడానికి ముఖ్యచారణగా నిల్చి
చేప ఆపరేటింగ్ అధికార శ్రీ డబ్ల్యూ మార్జిన్ చెప్పారు. ఇక
గ్లోబల్ మార్కెట్ విషయానికి వస్తే అమెరికా సెంట్రల్ బ్యాంకు
ఫెడ్ రిజర్వ్ వడ్డీరేట్ల వడ్డీరేట్లు తాళాలేవగా నిలిపి వేయడం
తాత్కా దీర్ఘ తెలిసిందే అంటూ. వల్ల మూడో వీటిని ఇన్వెస్టర్లు
భారత మార్కెట్ పెట్టుబడులు పెట్టడానికి తారామని ఇదొక దశ
ఇనార్మేయింగ్ ప్రభుషర్మ వల్ల వివాయ తయారే చెప్పారు.

ఎఫ్ డి ఐ నియమాల సరళి :-

INVESTING IN PEOPLE, THE PLANET AND PROSPERITY FOR FUTURES

People   Planet   Prosperity

కంపెనీ నరేయమేను సరళి ఈ తాముషు రంగులకు
వల్లే వీటిని ప్రభుషు పెట్టుబడుల నియమాలను సవరియారు.
ఆన్లైన్ రిటైలర్స్ దిగ్గజ అమెజాన్ తాను, వాల్ మార్టిప్ తార్డెలాత్
వాటు యితర కంపెనీలు తమ ప్రొడక్టులు పేరేల ద్వారా చెప్పుస్తు

ఈ పెరుగ్న పెన్షన్స్ ఈ పెర్మ్ పెన్షనలు... ఉదాహరణ, మాత
మార్క్ పెట్టుబడులు పెట్టి ఉంటే ఆ ప్రొడక్టల విత్రయించడంలో
పొష్తరు. జెల్ పాటు పెరుగ్న ద్వారా ప్రత్యేకంగా లమ ప్రొడక్టల
మర్కెట్ విత్రయించలాని కోరడంతో తనడి పాలతేదు. జెల్
పెర్మ్ ఈ తామర్క పెన్షనలు లాంగ్రేతంగా యొబ్బులు ఎయురం-
టుర్గాయి. ప్రభుత్వం దేశాయి ఈ తామర్క పెన్షనలు లక్ష
-చెతంర్వేంయను నియుగనలు గివరించుదున్న పియర్లు ఈ పెర్మ్
పెన్షనలు చెస్తుగాయి. ప్రభుత్వానికి నోటిన తనడి వృత్తం
-చెదాయి. తెలయున్న కట్టితేను ఉయాని 2007 ల తర్లిరయారు.
ఇటేలియు ఎబ్రయం నురి ప్రయుగా ఇతర ఎబ్రాంతలను
ఉయన కట్టిత ఎబ్రయం లి పెద్ర్మన ఫోటస పెట్టారు.
లాంగా పిడాది ప్రారంభంతోన ఈ తామర్క రంగంలో మత్ర
ఇయ్యలనుతున్గారు. తెలయున్న ట్రెండ్స్ ద్వారా ముస్రిల. యాక్షిన్-
 గినెల, ప్రియాత చెులర్స్లో పాటు సొంత ప్రదరిలను
విత్రయయాలను తెటమన్టెట్టు ఆర్వ్సనియ పళ్ల ద్వారా
తెలిసింది.

ఎఫ్ డి ఐ ఎ ఢిల్లీ టాప్ :-

న్యూఢిల్లీ :-

ఈ ఆర్థిక సంవత్సరం ఏప్రిల్ నుంచి డిసెంబర్ వరకు విదేశీ ప్రత్యక్ష పెట్టుబడులు (ఎఫ్ డి ఐ) ఆర్జించంగా ఉన్న నాలుగ మధు (25 కోట్లు) ఆర్జించింది ఆంధ్ర(ఏపీస్, హర్యానా వెనుక ప్రయత్నం చేయడం చేసిన గణాంకాలను చట్టి తెలుస్తుంది. దీనికి షూలిరేడుగా మహారాష్ట్ర వాత్రానగర పరిధి, కర్ణాటక డెయ్యలు మీద్రం ఎఫ్ డి ఐ 24 కోట్లు ఎడూపు దక్కిముయకున్నాయి.

Foreign Direct Investment

ఈ సమాచారాన్నీ తెంవెసెలు ప్రతియు కీరల్బ ఉబ్బించు ఆఫ్ ఇండియాను టంటియాయి. తాగా ఈ పెట్టుబడులు ప్రత్యేకంగా 25 ప్రాంతంక చేయడం తాలెయు. ఈ ఆర్థిక నియర్సరం మొదటి లావాదేవి నెలల తెలుస్ 830 కోట్ల డాలర్లు పెట్టుబడులు హెడ్ రాంర్థాన్ని ప్రయత్నక

దాని సహకారంతో ప్రాజెక్ట్ 800 కోట్ల డాలర్ల పెట్టుబడులు వచ్చాయి. ఇదే మాదిరిగా ప్రాంగాల పరిధిలో వెస్ట్ బెంగాలుకు 444 కోట్ల డాలర్లు, పెట్టి 200 కోట్ల డాలర్లు, ఉత్తరాఖండ్‌కు 167 కోట్ల డాలర్లు, తానుకునేత 26 మిలియన్ డాలర్ల పెట్టుబడులు వచ్చాయి.

మొత్తంగా ఈ ఏడు నెల ఆర్థిక సంవత్సరంలో పెట్టుబడుల రూపంలో పెట్టుబడులు 7 నెలల్లో 3,650 కోట్ల డాలర్లకు చేరుకున్నాయి. ఈ పెట్టుబడులు ఎక్కువగా సేవలరంగం, మెడ్యుటిల్ శాఫ్ట్‌వేర్, హార్డ్‌వేర్, టెలికమ్యూనికేషన్, ట్రేడింగ్, కెమికల్స్, ఆటో మొబైల్స్ ఆక్రమించాయి.

పెట్టుబడులు ఆర్థికంగా సింగపూర్ నుంచి 1,297 కోట్ల డాలర్లు, మారిషస్ నుంచి 600 కోట్ల డాలర్లు, నెదర్లాండ్స్ నుంచి 845 కోట్ల డాలర్లు, జపాన్ నుంచి 221 కోట్ల డాలర్లు, ఉ..దేశ నుంచి 234 కోట్ల డాలర్లు, బ్రిటన్ నుంచి 15 కోట్ల డాలర్లు ఎక్కువ రూపాయల పెట్టుబడులు వచ్చాయి.

FOREIGN DIRECT INVESTMENT'S IN

విదేశీ పెట్టుబడులు కీలకం :-

ముంబై :-

ముగింపుసారం సుంకి ప్రాంతంలు తగ్గటంతో స్టాక్ మార్కెట్టు కీలకం తానున్న అంతాల విషయానికి వస్తే... ముంబైసు ఆర్థిక సంస్థ వాలుకు పోటు మలుచయము ధరలు, విదేశీ పెట్టుబడులు, డాలర్ మాయెంల్ రూపాయి ఇతర అంతాల ప్రభావం చూపుయుచున్నారు. సోమవారం మహా శివ రాత్రి సందర్భంగా మార్కెట్టు సెలవు.

గత వారం స్టాక్ మార్కెట్టు తప్ప ఒరియడుతులను లోనయ్యాయి. భారతీయ ప్రముఖ ఫలం పోక్ స్టాన్ టెర్రిస్టు క్యాంపులపై దాయలు చేరడం, దీని తర్వాత మన ప్రమోషన్ దళ్ళ వింగ్ కమాండర్ ఆఫ్రెందుమను పాక్ ఇజ్రా బందిగా పట్టుకోవటం ఇతర అంతాల రాజకీయ ఉత్తర్తను డంకటాయి. ప్రస్తుతం రెండు దేశాల మధ్య ఉత్తర్తలు సంయమా పరిస్థితులు నెలకొన లంత ఇనవస్టర్లు ఊపిరి పెడ్చుతున్నారు. మళ్ళినిక మార్కెట్టు తిరిగి గాడి నెరప పరిస్థితులు నేరపెట్తి గ్రాయి. రెండు సరహాద్దుల ఉత్తర్తల తగ్గింటతో పాటు ఊయెత్తా- ప్రూపాలు మాఫిస్టే ఇత్తుడం

కొనుక్కోవడం లాభాలన -అనాలు భారతీయ షేర్ మార్కెట్టును
టార్గెట్‌గా చనిపెడ్తున. ఇక...

* ఈ వారం మార్కెట్ :-

మార్కెట్టును కొంతం ఇష్యూ -అనాల విషయంలో పట్టి
మనిషయురు కూలల, షేర్ పెట్టుబడులు, రూపక పనతంత్
రూపాయి ఎలా స్పందిస్తుందో లాంటి ప్రభావం మార్కెట్టు పై పని
చేస్తుందని మార్కెట్ చరిత్రలు తెలియచేస్తాయి. కానీ మంగళవారం
నాడు సమావేశం పీ ఎం పి గంతాంతాలు విషయలు తానునాడాం.
లాంటి ప్రభావం మార్కెట్టు పై ఉండంటని నిర్ణయాలు ఉత్తేయau-
చేపలునాడాం. ప్రస్తుతం పరిస్థితులు మరియు మార్కెట్టును ఎనుకోలగా
ఉన్నాయి. సరిహద్దుల ఉద్రిక్తత
తగ్గడంతో పాటు రూపాలతు
ఇమాండ్ పెరిగింది. తెలెనిలతు
కొత్త అడ్డిర్ రాయంలో
లాంఛితిరుగు పుంజు మింది.
-బుత్ ‌ఇత వారు ప్రభుత్వా
విడుదల -చేసిన బొబి పై
సకాంతాలు పెట్టి ప్రభుత్వతెలుగా
వేదు. రాహయ రోజుల

పొమైరి ప్రైస్టి సేలు ప్రాజుమనే ఈ రాగాలు సాగుచుని మార్కెట్
విషయం చుండగ పొట్టుగొయాం. హొసాయు మార్కెట్టుకు ఏడేసి
కాసిసైసు పెట్టుబడులు వచ్చిన కిలతం ఐగా ఈ విడతి
శ్రీబ్రాంత్ ఇండి సాల్స్ ఈం. 17,200 కోట్ల వరు స్టేట్
మార్కెట్స్ పెట్టుబడుల కుంబంత వచ్చాయ. నెంబర
2017 తర్వాత ఈ స్కేవుల్ పెట్టుబడులు రావడం ఇదే
మొదటి సారి. ఇదేలు ఉదయగా గల వారం ఛై ఎస్ ఈ.
192.33 మిలియంల్ప వరు లాఫ పడింది.

మార్కెట్లుమే నెలవు

సొమువారు సాల మహాసివ రాత్రి సంయాషంగా హొసాయు
స్టేట్ మార్కెట్లుల్ ఇలు కొత్తిసి డెరివేటివ్ మార్కెట్టు నెలవు.
ఉదిగే దేన రాల్గరిల్ యులియని మార్కెట్ రెండే సివరాత్రి
సంయష్యగా నెలవు.

Foreign Direct Investment

మార్కెట్‌కి విదేశీ పెట్టుబడులు
రూ. 17, 200 కోట్లు

ముంబై :-

విదేశీ ఇన్వెస్టర్లు గల నెలల గతంలో ఎన్నడూ లేని
విధంగా స్టాక్ మార్కెట్‌ రూ. 17,200 కోట్ల నుంచి పెట్టుబడులు
పెట్టారు. నవంబర్ 2017 లోయులో -6త్యఫ్రి 30గా హెసాయ స్టాక్
మార్కెట్‌ పెట్టుబడులు వెళ్లిన గల ఫిబ్రవరి నెలలనే. ఇటీ
ప్రధాన కారణం ప్రభుత్వ పెద్ద మొత్తంలో పెట్టుబడులు
పెడుతున్నట్టు ప్రకాశితేలు అనుమతి చాయనంత వంట నటనమేలు
మూడి 6 నుమేలుగా ఉంటుందిత విదేశీ ఆ ఇన్వెస్టర్లు భారత
మార్కెట్‌ పెట్టుబడులు పెడుతున్నట్టు ప్రకాశితేలు విమతల
పెట్టాడినే మెల్లిమామాము. చివరగా ఈ మొ పాలల పెట్టుబడులు
నవంబర్ 2017 లో సుమాయ రూ. 19,728 కోట్లు వరకు

పెట్టుబడులు వాళ్లయి బాబాగా ఓమిటిటిగ్ విడుదల చేసిన
బాబు గచార్ల తాలు (ప్రకారు చూస్తే గల నెలల మొత్తం
రూ. 1,17,899.79 కట్ల పెట్టుబడులు చేసి తో నమయాల
రూ. 1,100,680.17 కొట్లు ఉపసంహించారు. నితరంగా స్టాక్
మార్కెట్ రూ. 11,183 కోట్లు స్టాక్ మార్కెట్టు పెట్టినట్లుగా తెలియ.
ఇంతను మరియు ఇంటే 2నుంది 2019ల తో ఇసేవ కట్లు
స్టాక్ మార్కెట్ నుంచి రూ. 5,263.85 కొట్లు ఉపసంహించారు.
మార్కెట్ బిగ్ష్వేతుల చింవనా (ప్రకారం కేంద్ర ప్రభుత్వం
ఇష్యూటూత్ వేసి చింత మొత్తం కేరు ఉంటింత ఉర్బి
సింష్వూత ఇచ్చినని ఇంటే స్టాక్ మార్కెట్ ఫాగా
మెత్తంల తో పెట్టుబడు ల చింపినట్ల మారెట్
నిర్వులు అయ ఆఖవ్యలనలను వ్యత్తం చోస్త్రాయు. కొంత
మటు కికర్ల బ్యాంత వశ్మ శట్లను లశ్ణియడం కూడా
తో ఇసేశ్లర్మ ఇ ఉతూలష్వ ప్రభావం చూరింంది.
ప్రశ్నల్యూనం ప్రముగా లశ్ణియల్గం ఉట్లయింత ఆరేబొమి గల
నెలల బహిన (ప్రవ చూరతి ఉతెర్న్ల 0.25 సాతం వశ్మ-
శట్లను లశ్ణియడం కూడా తో ఇసేశ్ళ్న్మను భారత
మార్కెట్టు పెరునను ఆర్శ్మ రిందని మారెట వేతులు

చెయుచున్నారు.

భారతదేశ విదేశీ పెట్టుబడులు 3 కాలం పెరిగాయి. ఈ సం॥ 2017-18 లో 61.96 బిలియన్ డాలర్ల పెట్టుబడులు వచ్చాయని కేంద్ర ప్రభుత్వ వర్గాలని తెలిపి త్వరతి వరల్డ్ ఇన్వెస్ట్ తెలిపాయి.

మారిషస్, సింగపూర్, జపాన్, నెదర్లాండ్స్, అమెరికా, జర్మనీ, ఫ్రాన్స్ యునైటెడ్ అరబ్ ఎమిరేట్స్ నుండి ఎక్కువ పెట్టుబడులు వచ్చాయంటున్నాయి. తాజా యూఎన్‌సిటివిడి నివేదిక ప్రకారం భారతదేశ విదేశీ పెట్టుబడులు 44 బిలియన్ డాలర్ల నుంచి 40 బిలియన్ డాలర్లకు చేరాయంటున్నారు. తాజా పరిణామాల్లో భారత పెట్టుబడులు తగ్గుదలయ్యాయి. తాజా కేంద్ర మల్టి నురెట్ ప్రతి నెలకు వీటీకేర్ల మ్యాన్యూర్లు ఫారెన్ ఇన్వెస్ట్‌మెంటును వృద్ధి చేసేందుకు ఆయా విదేశీ పెట్టుబడుల ప్రమోషన్ బోర్డును ఏర్పాటు చేశారంటున్నారు. విదేశీ మ్యూచర్ ఫండ్లు, అమెరికన్ ఇండెక్స్ ఎల్లిగ్ తార మరే ఇతర సంస్థలు భారతదేశ పెట్టుబడులకు మూలాధార వనరుల తయారుఅయ్యాయంటున్నారు ఈ విధ సంస్థల నుండి ప్రమోషన్ల ద్వారా వయికమారుతారంటున్నారు.

విజన్, విధాన లాయర్ సంఘాలు శ్రీ/ రూరల్
కమిటీ లాయర్ చెప్పారు.

ఆశ్రిత లాయర్లకు ప్రభుత్వం న్యాయబద్ధ నెలానూరి
నెలస్సర్ మరియు వార్ 2.25 లక్షల సంపెలను ఆశ్రిత ఆశ్రి
సంపాదన (ఆర్ఇఎస్) స్థిరపడిపోయింది. వార్ 7,191 రీతం చిన్నారితో
లాయర్లతో పర్సనరోషన్ (విఇఎల్ఇఎస్) లక్ష పర్యాల కలుగుతుంది.
ఈ సంపెలలు 2015-16, 2016-17 ఆశ్రిత లాయర్ పెలను ఆర్ఇఎస్ 9
సమకూరుతోలు. రింగ్లగా ఆశ్రిత లాయర్లకు వారుపరి
2.26 లక్షల ఖాతా కు నిధిఖం ప్రతిపాదించారి. ఈ తీరుగా
మూడేళ్ళ పాటు 2013-14, 2014-15, 2015-16 లో కటుకేతలు
సమకూరుతాన 3.09 లక్షల మంది పేరుషర్లను -6వర్షంతత3)
గుడి చేసింది. ప్రస్తుత ఆశ్రిత సంఖ్యారం రింది కొంటీ.
2,95,910 డెల్ల సంపెతలను సుత్తిరంప్లు తాత్పరీట వ్యవహారాల
మంత్రిత్వనాళ చెల్లించింది. గత పరిషర్ ప్రతిపాదిన 2,20 లక్షల
సంపనిల చెల్లు సంపెలలో కేంద్రమెట మెత్తంగా వితీ నళ్ల
5 లక్షలకు పరిసమ్మ-చుప్పారి. 7,191 విఇఎల్ఇఎస్ అను
సత్తించరు ఇక్రియసి వితీ కు విఇఎల్ఇ యిల్లు
2018 ఆక్ట్నే 75 ప్రకారం ఆశ్రిత లాయర్లారు వారుపరి ఈ
సంపనిల కు పర్యలు చేసుకునేట్లు ఆశ్రిత నిమం న్యాయ పరిచరి.

విఘ్నే, విషయ లయంకి సంఘ్యలు కళ్ళ/ రాయతేలు

కోయయుల అయిన పెట్టారు.

ఆర్థిక లాయాదేరేలు పెల్లిరంతతెండా నల్లడంల్లు చెలాయుగ్

చెన్స్న్యగ్ మండూ వేర్ ౨.౨5 లక్షల తంపెనిలును కటెగ్డ్రెకె ఆఫ్

తెంప్లనిగ్ (ఆరెఇపి) స్రింబియంచెసింది. వేర్ 7,191 బెకిం ఉనుకటెకె

లయంఉతితో పొర్వనరేషం (ఎతెఎతెఇపిఎస్) లప్లి చర్యలు తెసుతెంది.

ఈ తెంపెనిలు ౨౦15-16, ౨౦16-17 ఆర్థిక లాయిదేతేలను ఆతెఇపిఎ 9

సవెర్భింఛతేయు. యిండేళ్ళుగా ఆర్థిక లాయాదేతేలను చేయడని

౨.౨6 లక్షల ఖాతాల పై నిషేధం ఓతేదింయింది. ఈతే వెళంగో

మూసేశ్ళ పాటు ౨013-14, ౨014-15, 2015-16 ఎ కంపెనిల

సవేర్భింయనని 3.09 లక్షల వూది డెప్పెర్షను చేనర్వాలత తు

గతి చేసింది. స్రస్తుత ఆర్థిక సంవర్షేరం రెండే కౌంఉేఎ.

2,95,910 డెల్ల తంపెనిలును సుకిర్కియడెల్లు తొల్ప్పరేటు వ్యవహీరాల

మండ్రాళ్య్నళ్ళ వెల్లడింఛింది. గతే విత్తేశుర్ క్రతేతేంఛిన ౨.౨౦ లక్షల

తంపెనిల ఛెట్టు తంపెనిలత్ తెంద్రమేతే మెట్టంగా వేతి గళ్ళ

5 లక్షలకు చితినట్టు-ఉప్పాని. 7,191 ఎతేఎతేఇ యఎ లను

సుకిర్కియడు జికియని చేతి పై ఎతేఎతేఇ ంయట్టు

౨౦18 ఆక్టేన్ 75 ప్రకారం ఆర్థిక లాయిదేతేలు చేయని ఈ

తెంపెనిల పై ంయ్యలు తెస్నుష్ట్లు ఆర్థిత నిషే గ్ర్య పేలింది.

అతడి ఎర్పటకి రుం జాల్లు గొటీసులు ఇవ్వడం వెరిందని, అతడి స్పందన కోరం వాయుయొన్నుర్గాడని తెలిపి ఈర్జలు తీనానున్నట్లు మోందురియం ఇజిందని తెలిపింది. ఇల్ల తరాపిలను గుత్రియి అతడి పై చర్జలు తీసుకొవడాని పత మరొది పిప్రాల్సింగ్ రెవెస్మ్ నెజ్రటరి హన్సులో కొటము అప్పర్రాడ్ బెత్ లాప్టి ఫొర్ని ఉందికిగ వొంటుటు చొటారు. ఇంయని అత్త పెవెలు గ్రా, ఇంటరీటీ, టటీపీ, ఇంవెది, పద, అఫ్ అఫ్ ఒ బ, అఫ్ ఎంయం పిష్ డి, ఉర్ టీ మ, ఇటీ గుంగ్ సర్టియ్ర పై జింఖ్లం. యర్లర ఎడిస్మిల పెదికారొర్ల ఉంజుం పడుటుర్ష్ ఇల్ల తెరపెసిల పై చర్జలు తీసుకోవాలని నిర్ణయం రుయారు. ఇప్పటి వరకు తక ఎడిస్మిలు పెదుమరి జాల్లు పిటీట తిడులు.

యునైటెడ్ నేషన్స్ గ్లోబల్ ఇన్వెస్టిగేషన్ టీఫ్స్ (యుఎన్ఓఓబి) తన నివేదికలో దేశ తలసరి చాయితాలను ఉద్యమ పరియంత్ర శ్రీత మంయతు సురింది. చొటిని మూడు రకాలుగా విభజించింది, ఇందుల దేశ తలసరి చాయితాలుగా నిర్ణయించబడి నది, ఉపాదం ఉన్నతిగా, అనుమానిత సంగతులుగా మూడు చాయితాలను ఉదహరించింది. ఎక్కువ ఎడెన్సీల సమాచారాల మేరకు ఉదయమం 16,537 తలసరిలను దేశ తలగ తలసెలగా సుమించింది. తొమస్ ఒబెక్ప్రయాన దిగ్గ మర 16,739 తలసరిలను దేశ తలసరిలకు ఉపాదం (యెఐఎఐ) గా ఉన్నేటల్లు, మర 80,670 తలసెల మాగి, లొజి ఒబెక్ప్రయ, ఉభప్రత సంతాల తెలిగిన యార శ్రాత భారత్ లంది ఎలాంటి నగదు ఉదసంహరణ జరగవుండ నివేశం ప్రతిపాదియారు. తొక్క ఇగ్గ న్యాయంవద్ధమైన తలసెల లాభావేశలను భువుష్మరింతింది. 2018 జనవరి 1 నుండి మ 1 మళ్ల వాయుర్గాగ 13,993 తలసరు తరిగ లావుదేవలను పొందయుని మార్క్షెట్ గా తెలిపింది.

FDI

CONCLUSION

ఎఫ్‌డిఐ ప్రత్యక్ష పెట్టుబడులు (ఎఫ్ ఇ ఐ)

భారత దేశంలో మూడు నాటల వెనిగిన

విదేశీ పెట్టుబడులు 2017-18లో 61.96 బిలియన్ డాలర్ల
పెట్టుబడులు సాధ్యమని గంట్రి ప్రభుత్వ కరికోలని కీని ఏ.ఐ.
తార్వళ్ళ రవతెల ఉగోపై తెలిపారు. 8తారే, ఫ్రాయల 2017-18
ఆర్థిక సంవత్సరంలో 5 ఇళ్ల తనిక్షాతి (37.) లక్ష 44.85
బిలియన్ డాలర్లు రగొ రాయి.

దేశంలోకి మెరుగ ప్రైవాటి నుంట విదేశీ ప్రత్యక్ష
పెట్టుబడుల రాక 7 నాటల 10.55 బిలియన్ డాలర్లగా ఉంది.
ఇనుకరి - ఫూల్కి ప్రైవాటింటల తన పెట్టుబడులు 9.88 బిలియన్
డాలర్లగా ఉన్నాయి. తన విదేశీ ప్రత్యక్ష పెట్టుబడులు
సరలి భారతదేశంల -62 ఏట్లుగా తివరిరాడం కెట్టింది.

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— P. Stanley Raj   External
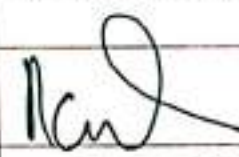
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26/3/19

ASD Govt. Degree College for Women(A)
Jagannaickpur, Kakinada

Activity Register 2018-19

Date	12~10~18
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Zoology department
Nature of Activity (Seminar/Workshop/Extn. Lecture etc..)	PROJECT WORK
Title of the Activity	PROJECTWORK
Name of the Department/Committee	**Department of zoology**
Details of Resource Persons (Name . Designation etc.,)	U.satyanarayana guest faculty M.satyavaralakshmi lecturer n zoology N.veera chanti lec in aqua culturetechnology
No.of students participated	33 III CBZ
Brief Report on the activity	To raise the spirit of students developing their skills on general knowledge besides subject learning
Name of the Lecturers who Planned & conducted the activity	M.Satyavaralakshmi U.Satyanarayana Guestfaculty in Zoology
Signature of the in charge	Dr.K.Aruna lecturer in charge of micro biology
Signature of the Principal	
Remarks	

ASD Govt. Degree College for Women(A)
Jagannaickpur, Kakinada

DEPARTMENT OF ZOOLOGY
Acknowledgement

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necessary corrections.

Lastly but not least we are indebted to each and every faculty member especially sri
L.Pradeep having designed and Xeroxed the title page aand his help rendered in bringing in
his from project work submission to the department of zoology A.S.D.Govt Degree College For
Women (A)

CERTIFICATE

Certified that the study project on "**Identification of Fishes**" was taken up students of III BSC CBZ under the able guidance of Sri U.Satyanarayana Lec in Zoology, M.Satyavaralakshmi, Lec in zoology at Local Market Of Jagnnaikpur Kakinada. The project work completed most systematic way.

M. Suvarchala

Signature Of The Lecturers   Signature Of The Principal
PRINCIPAL
S.D.GOVT.DEGREE COLLEGE
AUTONOMOUS
KAKINADA

V.Satyavaralal

Methodology

IDENTIFICATION OF FISHES

II IDENTIFICATION OF FISHES

Scientific identification of fishes is based mainly on external characters such as body shape, length, depth, mouth and nature of fish spines, scales, etc. The best way to collect fish for a scientific or taxonomic study is to catch them alive through a fishing net, trap or any other device locally adopted except poisoning with toxic chemicals.
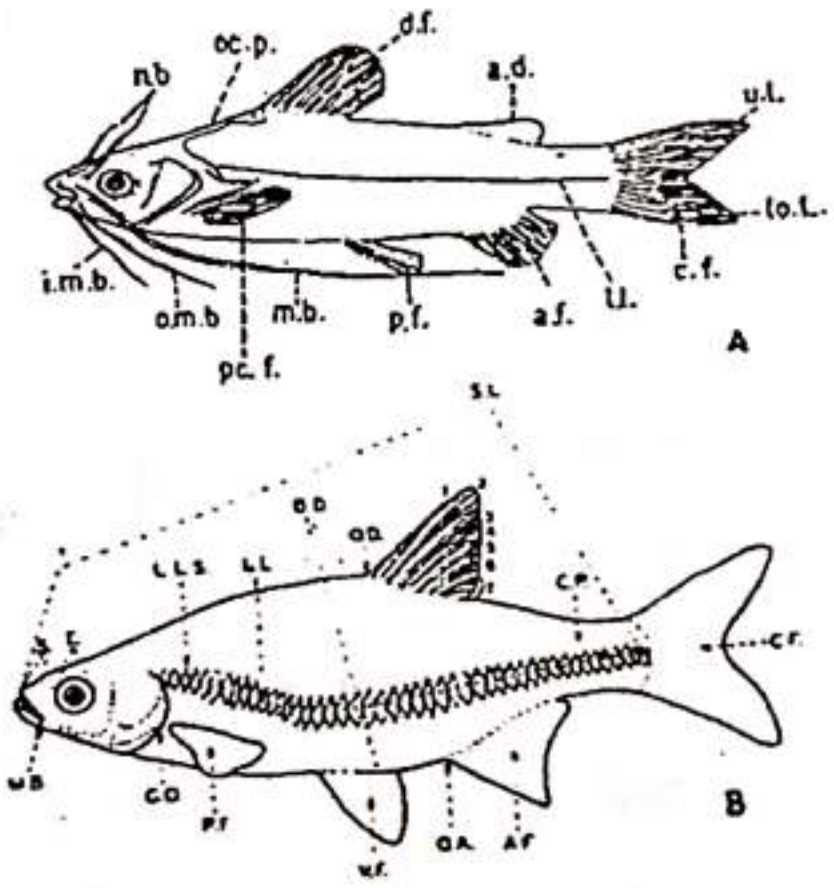
Fig 1: Outline lateral view diagrams of A) a non-scaled catfish and B) a scaled fish showing body parts

A. Non-scaled catfish   B. Scaled fish

a.d. = adipose dorsal fin   A.F. = anal fin

a.f. = anal fin   B D = body depth

Fish have different ecological preferences and inhabit waters best suited to them. Environmental factors influence the predominance of certain species of fish. For instance, river fishes prefer riffle or quiet areas; a hill stream with fast flowing water over rocky bed may not have large sized carps, while dimly lit, shallow swampy pools may have cat fishes, mussels, eels and may not have fishes like rohu, mrigal etc.

The fishes caught are segregated mainly based on the presence or absence of scales on the body. When scales are present, they are further separated based on body shape, number and length of fins. In the case of fishes without fins, they are separated according to the total number of barbels. After the segregation, they are identified according to the keys.

Classification of fishes for scientific study is done through taxonomy or systematics. Under this, each fish is given a name of two words; the first one is generic name and the second specific name, followed by the name of the author who described it first. There may be many fishes under the first word, which is called *Genus*. This indicates the affinity of the fish grouped under the same genus due to common features. Similarly, a number of *Genera* (plural of genus) are grouped under the term *Family*, while a number of families are put under an *Order*. Many orders come under a *Class*. The characters differentiating orders and families are distinct, but down the hierarchy, they become insignificant. For identification, the fishes are first grouped under orders, then families, genera and species. Identification keys are available for all orders, families and genera.
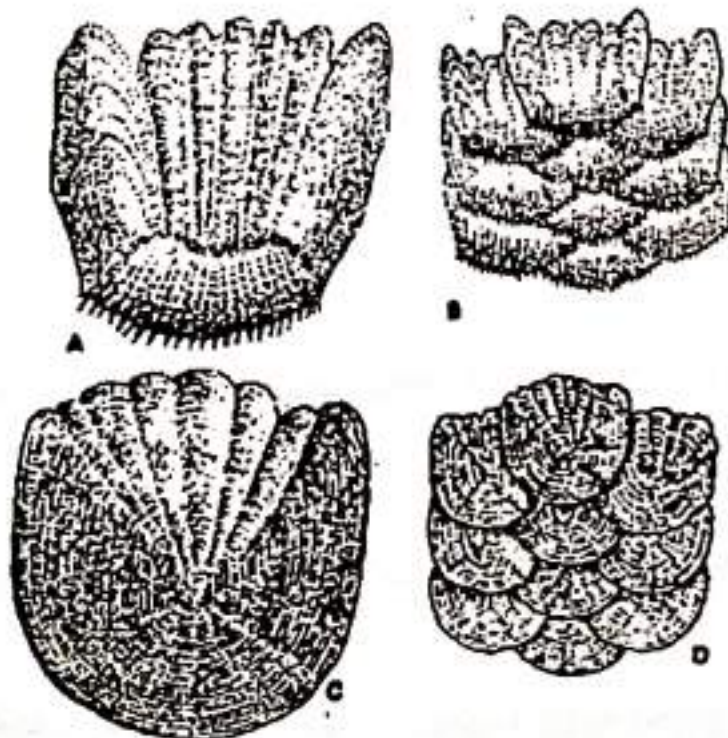
Adipose fin: A short fleshy fin, without rays behind the dorsal fin mainly on the back of catfishes.

Antrorse: Pointing forward or towards anterior direction especially in pectoral spine.

Axilla: Space behind base of a fin.

Axillary: Pertaining to the axilla.

Barbel/s: Slender, tactile whisker-like projection extending from the head of some fishes; functioning primarily as a sensory organ for locating food and locations.

Base: The part where a fin joins body, as in length of dorsal/anal fin base.

Branchial: As referred to gills.

Branchiostegeal rays: Numerous tiny thin bones arranged fanwise from the lower edge of the opercle to the ventral surface of the head and covered by the branchiostegeal membrane.

Breast: Ventral part of the body situated between head and pectoral fins.

Caudal peduncle: The narrow posterior part of the fish's body between anal and caudal fin.

Ctenoid scale: Scales with rough, comb-like or toothed margin.

Cycloid scale: Scales that are smooth-edged, more or less circular with concentric striations.

Depth of body: The greatest vertical height of fish.

Dorsal: The back or upper part of the body.

Fin rays:

All paired and median fins in teleosts have long, mobile filament like prolongations called rays. The movements of the fins are due to the action of muscles, the movements possible due to the articulations and often flexibility of these rays. The term "ray" also applies to spines, whether they are included within the membrane of a fin or not.

The chief types of fin rays encountered are:

-

Hard rays: a number of soft rays united solidly to form hard rays, which are rigid and sharply pointed. These are formed of cartilage. The outermost caudal fin ray called the principal ray is also a hard ray.

-

Spinous rays: are made of bone tissues and are harder and stronger than rays. These are usually not flexible and they are commonly found in catfishes.

-

Simple ray: It is either soft or hard but without any branching at its tip or elsewhere.

-

Branched ray: It is branched either from the base or middle or tip of the ray.
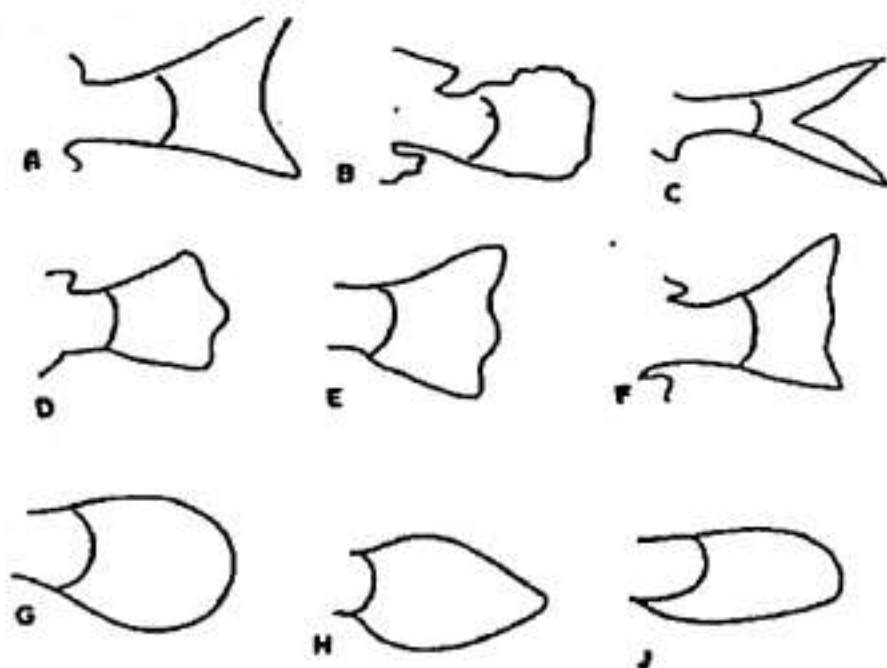
Fig 3: Different caudal fin shapes

(A-slightly emarginated or furcate, B-rounded with wavy margins, C-forked, D-wedge or paddle shaped, E-notched, F-truncate or cut square, G-rounded, H-lanceolate and J-ovate)
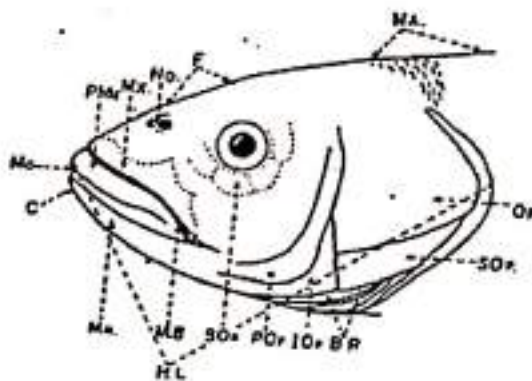

Fig 4: BR-branchiostegeal ray, C-chin, F-forehead, HL-head length, OP-interopercule, MB-maxillary barbell, MN-mandible, MO-mouth, MX-maxillary, NA-nape, NO-nostrils, OP-opercule, PMX-premaxillary, POP-preopercule, SOP-subopercule and SOR-suborbital

Gills: The respiratory apparatus of fishes, found within the gill openings.

Gill archers: The bony supports to which the gill rakers are attached.

Gill opening: The opening situated generally on either side of the head; the water used for breathing enters by the mouth and is expelled through gill-openings.

Gill rakers: These are thin needle like prolongations on the gill arches.

Opercule or operculum: The gill cover.

Opercular flap: A fleshy extension of the rear edge of opercule.

Origin of fin: The point where the first ray is inserted into the body of the fish.

Pectoral fins: The paired fins attached to the shoulder girdle.

Pelvic fins: The paired fins placed behind or below the pectoral fins.

Scale: One of the thin, bony or horny plates covering the whole or part of the body of most fishes. Scales can be macroscopic as on eel, small as on Chela and large as on Tor. A fish may have no scales as the catfishes.
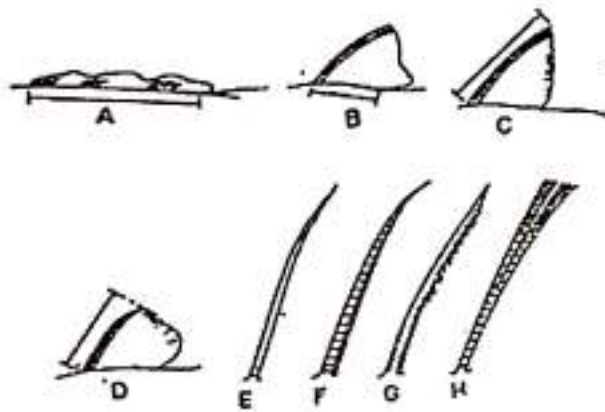
Fig 5: Different types of fins and rays

A-long dorsal fin, B-short dorsal fin, C-high dorsal fin, D-low dorsal fin, E-simple unbranched ray, F-thick ray, G-antrorsely serrated dorsal ray and H-branched ray

Identification of fishes.

Identification of fishes.

Identification of Fishes.

S.No	Name of the Student	Signature
1.	R. Venkata Sandhya	R. V. Sandhya
2.	D. S. Madhuri	D. S. Madhuri
3.	G. Pavani	G. Pavani
4.	ch. Bhoga Lakshmi	ch. B. Lakshmi
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8.	Y. Ribca	Y. Ribca
9.	P. Dhanasudha	P. Dhanasudha
10.	R. Satya Santhoshi	R. S. Santhoshi
11.	S. vara lakshmi	S. varalakshmi
12.	A. V. L. Varalakshmi	A. V. L. Varalakshmi
13.	B. Tulasi	B. Tulasi
14.	S. Vijaya	S. Vijaya
15.	K. Divya	K. Divya
16	P. Durga Bhavani	P. Durga Bhavani
17.	B. Santhi	B. Santhi
18.	T. Bharathi	T. Bharathi
19.	G. Rani	G. Rani
20.	S. Indu	S. Indu
21.	B. Rajeswari	B. Rajeswari
22.	M. Ashalatha	M. Ashalatha
23.	I. Sridevi	I. Sridevi

A PROJECT REPORT
ON
ONLINE LIBRARY SYSTEM

స్త్రీ విద్యాప్రవర్ధకం

A project report submitted in partial fulfillment of requirement

for the award of the degree of Bachelor of

B.Com Computer Applications

Submitted by

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Lecturer in computer Applications

DEPARTMENT OF COMPUTER SCIENCE

A.S.D GOVT DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICPUR, KAKINADA
2018-2019

DECLARATION

We declare that the project is original and is conceived by us. We have it worked it Independently.

Name of the member :   Signature

D.SWAPNA KASTURI

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DEPARTMENT OF COMPUTERS

స్త్రీ విద్యా ప్రవర్తకం

CERTIFICATE

This is to certify that the Project on **"ONLINE LIBRARY SYSTEM"** was taken up by students of III.B.Com(Computer Applications) under the able guidance of Mrs. G.SatyaSuneetha, Department of Computer Science, **A.S.D GOVT DEGREE COLLEGEFOR WOMEN (A),**Jagannaickpur, Kakinada. The project work is completed in a systematic way.

External Examiner   Principal

Head of the Department

Project Incharge

Index

Online - Library Management System is an application which refers to library systems which are generally small or medium in size. It is used by librarian to manage the library using a computerized system where he/she can record various transactions like issue of books, return of books, addition of new books, addition of new students etc.

Books and student maintenance modules are also included in this system which would keep track of the students using the library and also a detailed description about the books a library contains. With this computerized system there will be no loss of book record or member record which generally happens when a non-computerized system is used. In addition, report module is also included in Library Management System. If user's position is admin, the user is able to generate different kinds of reports like lists of students registered, list of books, issue and return reports. All these modules are able to help librarian to manage the library with more convenience and in a more efficient way as compared to library systems which are not computerized.

1.2   Statement of Problem

The library information is to an extent manually recorded and reveals a number of problems.

- The recording of students that borrow some books for further reading is done manually on a book that appears rough. Thus, the books are exposed to physical damage, information can be lost and dust particles are accumulated.

2

- It also takes a lot of time to arrange these books in its serial number and moreover the book keepers always felt tired while arranging these books.
- These books which are kept in the library can easily be exposed to insect and other physical damages. Like; Fire, Water and Ants etc.

1.3 Aim and Objectives of the Study

The project aim and objectives that will be achieved after completion of this project are discussed in this subchapter. The aim and objectives are as follows:

(A) Aim

- Online book issue
- Request column for librarian for providing new books
- A separate column for digital library
- Student login page where student can find books issued by him/her and date of return.

(B) Objective:

- A search column to search availability of books
- A teacher login page where teacher can add any events being organized in the college and important suggestions regarding books.
- Online notice board about the workshop.

1.4 Significance of the Study

This platform showcases information to the society without any stress:

- Improve Access

- Wider Access

- Improve Information Sharing

1.4.1 Improve Access

Connect patrons with the information they seek with these promising electronic tools! Improved Access to Information: Portals, Content Selection, and Digital Information focuses on how you can improve access to information using electronic reference resources.

The product of the National Open University of Nigeria Libraries, Improved Access to Information offers library administrators new approaches for overcoming the proliferation of electronic information and making it readily available to students. This project will help you provide essential understanding to student and secure their patron base.

1.4.2 Wider Access

In the case of wider access, this expresses the evolution of transporting information through an online video tutorial, voice recommendation, and

online library. Most times student do value this platform, because of its more accessibility to their various courses.

On like National Open University of Nigeria previous portal has this easy navigation for an online test known as (I-Learn). This platform known as (I-Learn) has been of good help to the students, in order to read their books and download some tutor mark assessment materials.

1.4.3 Improve Information Sharing

Sharing of information through online-library has been a multi-purpose and strategy for student to have a standard impact to their studies. In fact this methodology has been the best for students, both in the aspect of distance-learning and nearby centers. This pattern has innovated a style that grants the students a free access to share and save their leisure time in reading their books online. This online library has also helped the society to profound and understand the importance of reading mostly online.

1.5 Scope of the Study

The scope of this study covers the online-library as a whole, and its flexibility for students and society to read online.

1.6 Limitation of the Study

This project was constrained by the following factors:

(a) Financial Constraints

Bearing in mind the economic situation of the nation, it was found difficult in making both ends meet, because of the exorbitant nature of things nowadays in travelling for the collection of data needed for the project.

(b) Time Constraints

Looking at the interval between the resumption and vacation of the final semester for the project to be completed, the time given seemed to be short for the collection of required information for better work to be done.

(c) Non-Availability of Material

During this project, it was noticed that the required materials needed for the project are not documented. Those that were documented lacked storage facilities where they can be reached.

1.7 Definition of Technical terms

❖ **BROAD ACCESS**: this expresses the evolution of transporting information through an online video tutorial, voice recommendation, and online library. Most times student do value this platform, because of its more accessibility to their various courses and video tutorials.

❖ **PORTABILITY**: this platform (online library) is been organize in a way that will benefit the student and as well the society, more especially whenever the fill like surfing the internet for more educative instruction.

CHAPTER TWO
LITERATURE REVIEW

2.1 Overview of Library Information System

Library is regarded as the brain of any institution of learning, of course many institutions understand the importance of the library to the growth of the institution and their esteem users which we categorically call the students. An integrated library system, also known as a library management system (Adamson et al., 2008) is an enterprise resource planning system for a library, used to track items owned, orders made, bills paid, and users who have borrowed.

The Online-Library Information System is an Online-Library platform mostly used for monitoring and controlling the transactions in a library (Ashutosh&Ashish,2012). Online-Library Information System supports the general requirement of the library such as the acquisition, cataloguing, circulation and other sections.

Before the advent of computer in modern age there are different methods of keeping records in the library. Records are kept in the library on shelves and each shelf are labeled in an alphabetical or numerical order, in which the categories of books available are arranged on different position on the shelves and as well are recorded on the library manuscript and when any book is to be referenced the manuscript is being referred to, to know the position of such required book by the person that requested for the book. After the invention of computer different researchers have carried out various approach

on an automated library management system in which this project is as well all about.

The first library management system to be reviewed is the KOHA library management system. Since the original implementation in 1999, KOHA functionality has been adopted by thousands of libraries worldwide, each adding features and functions, deepening the capability of the system.

With the 3.0 release in 2005, and the integration of the powerful Zebra indexing engine, KOHA became a viable, scalable solution for libraries of all kinds.

LibLime KOHA is built on this foundation. With its advanced feature set, LibLime KOHA is the most functionally advanced open source Integrated Library System in the market today.

The major setback of this Library Management System is that it is a web based and as a result it is not security conscious because hackers could have the database hacked and access or modify the information of such user.

Another Online-Library Information System is the Capital's library software with the following benefits Increases support available for staff and users in any modern library service, provides efficiency, innovative system that's saves library time and improves the user experience.

An Online-library information system usually comprises a relational database, software to interact with that database, and two graphical user interfaces (one for users, one for staff). Most integrated library systems,

separate software functions into discrete programs called modules, each of them integrated with a unified interface.

Johnson, (2007) viewed library and information science education in developing countries.

He concluded that LIS programs in developing countries continue to suffer from lack of financial support by governments.

Rahman, Khatun & Islam, (2008) reviewed the library education in Bangladesh. The study found that majority of institutions in Bangladesh do not have well-equipped computer labs or sufficient numbers of computers for students. A sufficient number of classification and cataloguing tools (DDC, LC, Sears list of subject headings for practical were not present.

Many institutions either have no library or inadequate collection of textbooks. Professional's status was also found very low, low pay scale and limited opportunities for promotion.

In Nepal, Sivakoti, (2008) found that there was no government agency to control, monitor and evaluate the school libraries activities. There was lack of awareness programs, budgetary constraints, inadequate space, inadequate library materials, lack of trained and skilled manpower and lack of appropriate government policy and lack of information literacy.

Ademodi & Adepoju, (2009) investigated the computer skill among librarians in academic libraries on Ondo and Ekiti State in Nigeria. It was found the shortage of computers and computer skills among professionals. The study recommended that more attention and funds should be provided for training

and procurement of ICT infrastructure in Nigerian University libraries. For computerization purpose, library administration should solicit funds and assistant from foreign agencies and foundations who are interested for the cause.

2.2 Software Requirement Specification

2.2.1 General Description

Product Description:

An Online-Library Information System is a computerized system which helps user (librarian) to manage the library daily activity in electronic format. It reduces the risk of paper work such as file lost, file damaged and time consuming.

It can help user to manage the transaction or record more effectively and time-saving.

Problem Statement:

The problem occurred before having computerized system includes:

- File lost
- When computerized system is not implemented file is always lost because of human environment. Sometimes due to some human error there may be a loss of records.
- File damaged when a computerized system is not there file is always lost due to some accident like spilling of water by some member on file

accidentally. Besides some natural disaster like floods or fires may also damage the files.

- Difficult to search record
- When there is no computerized system there is always a difficulty in searching of records if the records are large in number.
- Space consuming
- After the number of records become large the space for physical storage of file and records also increases if no computerized system is implemented.
- Cost consuming
- As there is no computerized system to add each record, paper will be needed which will increase the cost for the management of library.

2.2.2 System Objectives

- Improvement in control and performance

- The system is developed to cope up with the current issues and problems of library .The system can add user, validate user and is also bug free.
- Save cost

- After computerized system is implemented less human force will be required to maintain the library thus reducing the overall cost.
- Save time

- Librarian is able to search record by using few clicks of mouse and few search keywords thus saving his valuable time.

- Option of online Notice board

- Librarian will be able to provide a detailed description of workshops going in the college as well as in nearby colleges
- Lecture Notes

- Teacher have a facility to upload lectures notes in a pdf file having size not more than 10mb

2.2.3 System Requirements
2.2.3.1 Non Functional Requirements

Product Requirements

Efficiency Requirement

When a library management system will be implemented librarian and user will easily access library as searching and book transaction will be very faster.

Reliability Requirement

The system should accurately performs member registration, member validation, report generation, book transaction and search

Usability Requirement

The system is designed for a user friendly environment so that student and staff of library can perform the various tasks easily and in an effective way.

Organizational Requirement

Implementation Requirements

In implementing whole system it uses html in front end with php as server side scripting language which will be used for database connectivity and the backend i.e. the database part is developed using MySQL.

Delivery Requirements

The whole system is expected to be delivered in six months of time with a weekly evaluation by the project guide.

2.2.3.2 Functional Requirements

1. Normal User

1.1 User Login

Description of feature

This feature used by the user to login into system. They are required to enter user id and password before they are allowed to enter the system .The user id and password will be verified and if invalid id is there user is allowed to not enter the system.

Functional requirements

-user id is provided when they register

-The system must only allow user with valid id and password to enter the system

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-The system performs authorization process which decides what user level can access to.

-The user must be able to logout after they finished using system.

2.2.3.3 Register New User

Description of feature

This feature can be performed by all users to register new user to create account.

Functional requirements

-System must be able to verify information

-System must be able to delete information if information is wrong

2.2.3.4 Register New Book

Description of feature

This feature allows to add new books to the library

Functional requirements

-System must be able to verify information

-System must be able to enter number of copies into table.

- System must be able to not allow two books having same book id.

2.2.3.5 Search Book

Description of Feature

This feature is found in book maintenance part. We can search book based on book id, book name, publication or by author name.

Functional requirements

- System must be able to search the database based on select search type

- System must be able to filter book based on keyword entered

- System must be able to show the filtered book in table view

2.2.3.6 Issue Books and Return Books

Description of Feature

This feature allows to issue and return books and also view reports of book issued.

Functional requirements

-System must be able to enter issue information in database.

-System must be able to update number of books.

- System must be able to search if book is available or not before issuing books

-System should be able to enter issue and return date information

2.2.3.7 Event Addition

Description of Feature

This feature allows teacher and student to add information about various workshops being conducted in college and colleges nearby.

Functional requirements

-System should be able to add detailed information about events.

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-System should be able to display information on notice board available in the homepage of site

2.2.4 Software and Hardware Requirements

This section describes the software and hardware requirements of the system

2.2.4.1 Software Requirements

➢ Operating system- Windows 7 is used as the operating system as it is stable and supports more features and is more user friendly

➢ Database MYSQL-MYSQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.

➢ Development tools and Programming language- HTML is used to write the whole code and develop webpages with css, java script for styling work and php for sever side scripting.

2.2.5.1 Hardware Requirements

➢ Intel core i5 2nd generation(2G) in year 1950's was used as a processor because it is fast than other processors and it provide reliable and stable and we can run our pc for longtime. By using this processor we can keep on developing our project without any worries.

➢ Ram 1gb is used as it will provide fast reading and writing capabilities and will in turn support in processing

2.3 Existing V/s Proposed System :

i. Existing system does not have any facility of teacher's login or student login whereas proposed system will have a facility of student login as well as teacher's login

ii. Existing system does not have a facility of online reservation of books whereas proposed system has a facility of online reservation of books

iii. Existing system does not have any facility of online notice board where description of workshops happening in our college as well as nearby colleges is being provided.

iv. Existing system does not has any option of lectures notes uploaded by teachers whereas proposed system will have this facility

v. Existing system does not have any facility to generate student reports as well book issue reports whereas proposed system provides librarian with a tool to generate reports

vi. Existing system does not has any facility for book request and suggestions where as in proposed system after logging in to their accounts student can request books as well as provide suggestions to improve library

2.3.1 Software Tools Used :
The whole Project is divided in two parts the front end and the back end.

2.3.2 Front end :

The front end is designed using html, Php, css, Java script

HTML- HTML or Hyper Text Markup Language:

This is the main markup language for creating web pages and other information that can be displayed in a web browser.HTML is written in the form of HTML elements consisting of *tags* enclosed in angle brackets (like <html>), within the web page content. HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent *empty elements* and so are unpaired, for example <img>. The first tag in a pair is the *start tag*, and the second tag is the *end tag* (they are also called *opening tags* and *closing tags*). In between these tags web designers can add text, further tags, comments and other types of text-based content.

The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page.HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behavior of HTML web pages.

CSS- Cascading Style Sheets (CSS): is a style sheet language used for describing the look and formatting of a document written in a markup language. While most often used to style web pages and interfaces written in HTML, and XHTML, the language can be applied to any kind of XML, document, including plain XML, SVG and XUL. CSS is a cornerstone specification of the web and almost all web pages use CSS style sheets to describe their presentation. CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content (such as by allowing for table less web design). CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices. It can also be used to allow the web page to display differently depending on the screen size or device on which it is being viewed. While the author of a document typically links that document to a CSS file, readers can use a different style sheet, perhaps one on their own computer, to override the one the author has specified. However if the author or the reader did not link the document to a specific style sheet the default style of the browser will be applied. CSS specifies a priority scheme to determine which style rules apply if more than one rule matches

against a particular element. In this so-called *cascade*, priorities or *weights* are calculated and assigned to rules, so that the results are predictable.

JAVA SCRIPT- **JavaScript** (JS): is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. It is also being used in server-side programming, game development and the creation of desktop and mobile applications. JavaScript is a prototype-based scripting language with dynamic typing and has first-class functions. Its syntax was influenced by C. JavaScript copies many names and naming conventions from Java, but the two languages are otherwise unrelated and have very different semantics. The key design principles within JavaScript are taken from the self and Scheme programming languages. It is a multi-paradigm language, supporting object-oriented, imperative, and functional programming styles. The application of JavaScript to use outside of web pages—for example, in PDF documents, site-specific browsers, and desktop widgets is also significant. Newer and faster JavaScript VMs and platforms built upon them (notably Node.js) have also increased the popularity of JavaScript for server-side web applications. On the client side, JavaScript was traditionally implemented as an interpreted language but just-in-time compilation is now performed by recent (post-2012) browsers.

PHP- **PHP:** is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP is now installed on more than 244 million websites and 2.1 million web servers.

Originally created by Rasmus Lerdorf in 1995, the reference implementation of PHP is now produced by The PHP Group. While PHP originally stood for *Personal Home Page*, it now stands for *PHP: Hypertext Preprocessor*, a recursive acronym. PHP code is interpreted by a web server with a PHP processor module, which generates the resulting web page: PHP commands can be embedded directly into an HTML source document rather than calling an external file to process data. It has also evolved to include a command-line interface capability and can be used in standalone graphical applications. PHP is free software released under the PHP License. PHP can be deployed on most web servers and also as a standalone shell on almost every operating system and platform, free of charge.

2.3.2 Back End:

The back end is designed using my sql which is used to design the databases MYSQL- **MySQL** ("My S-Q-L", officially, but also called "My Sequel") is (as of July 2013) the world's second most widely used open-source relational database management system (RDBMS). It is named after co-founder Michael Widenius daughter, my. The SQL phrase stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public

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License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation .MySQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack (and other 'AMP' stacks). LAMP is an acronym for "Linux, Apache, MySQL, Perl/PHP/Python." Free-software-open source projects that require a full-featured database management system often use MySQL. For commercial use, several paid editions are available, and offer additional functionality. Applications which use MySQL databases Include: TYPO3, MOD x, Joomla, Word Press, php BB, My BB, Drupal and other software. MySQL is also used in many high-profile, large-scale websites, including Wikipedia, Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

CHAPTER 3

METHODOLOGY

3.1 Table Design:

Various Tables to Maintain Information:

Book Table for Keeping Track of Books:

Field	Data type	Default	Key	Extra
CODE	INTIO(11)	NOT NULL	PRIMARY	AUTO INCREMENT
BOOKNAME	VARCHAR(255)	NULL		
AUTHOR	VARCHAR(255)	NULL		
PUBLICATION	VARCHAR(255)	NULL		
SUBJECT	VARCHAR(255)	NULL		
NO OF COPIES	INT(10)	NULL		

Student Table for Student Information:

Field	Data type	Default	Key	Extra
Li bid	INT(11) NOT	NULL	Primary key	Auto increment
Reg. no	INT(10)	NULL		
branch	VARCHAR(255)	NULL		
section	VARCHAR(255)	NULL		
semester	VARCHAR(255)	NULL		
section	VARCHAR(2)	NULL		
year fad m	INT(5)	NULL		

Teacher Table to Keep Teacher Information:

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
T id	INT(11)	NULL		
Name	VARCHAR(255)	NULL		
Designation	VARCHAR(255)	NULL		
Branch	VARCHAR(255)	NULL		
Contact no	INT(13)	NULL		Auto increment
Lectures	LONG LOB	NULL		

Issue Table to Keep Track of Books Issued:

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
Book id	INT(11)	NOT NULL		
Stu id	INT(11)	NOT NUL		
Issue date	DATE	NULL		
Return date	DATE	NULL		

Student Login Table:

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
Log id	INT(11)	NOT NULL	FOREIGN KEY	Reference Student
Username	VARCHAR(255)	NULL		
Password	VARCHAR(255)	NULL		
Num. books	INT(1)	NULL		

Event Table for Event Information:

FIELD	DATATYPE	DEFAULT	KEY	EXTRA
Name	VARCHAR (255)	NULL		
Date	DATE	NULL		
Time	VARCHAR	NULL		
M name	VARCHAR	NULL		
Contact no	INT (30)	NULL		
Email	VARCHAR(255)	NULL		
Venue	VARCHAR (255)	NULL		

Teacher Login Table:

FILED	DATATYPE	DEFAULT	KEY	EXTRA
LOGIN id	INT (11)	NOT NULL		
Username	VARCHAR(255)	NULL		
Password	VARCHAR(255)	NULL		

3.2 Data Flow Diagrams:

Data Flow Diagram for Teacher Login
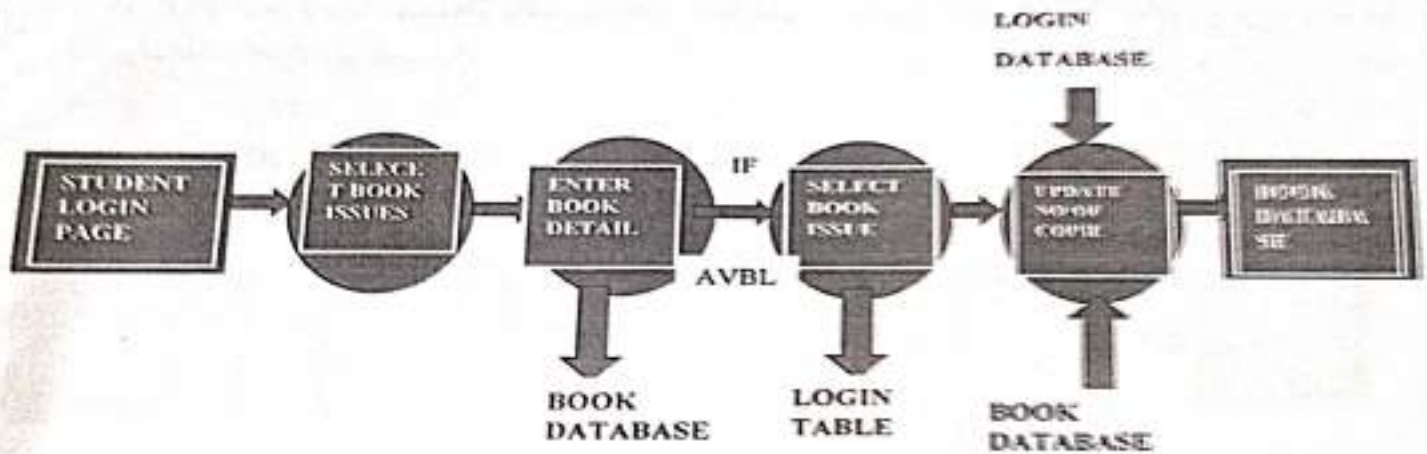

After entering to the home page of the website, teacher can choose the TEACHER LOGIN option where they are asked to enter username & password, and if he/she is a valid user then a teacher login page will be displayed.

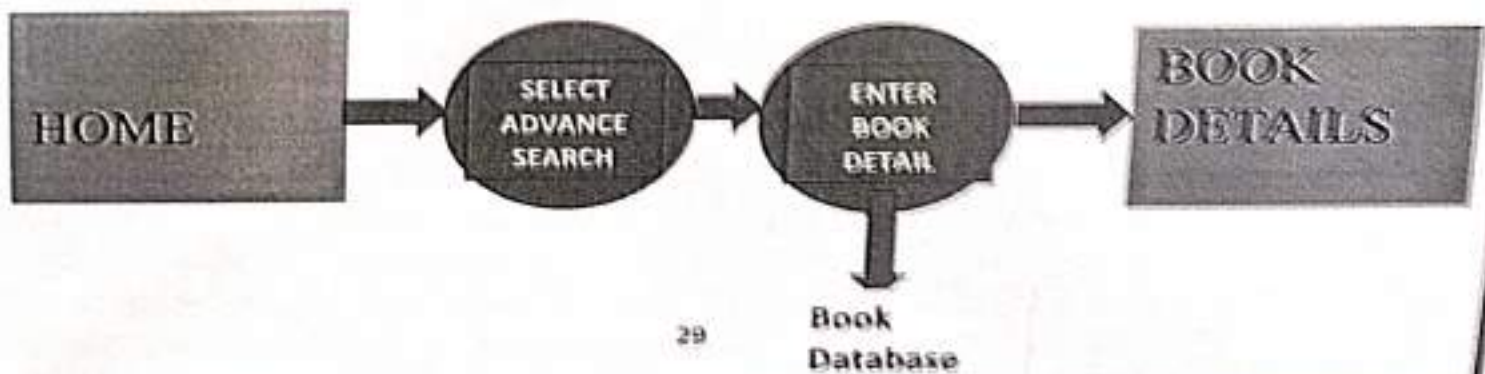**Data Flow Diagram for Student Login :**

After entering to the home page of the website, student can choose the STUDENT LOGIN option where they are asked to enter username &password, and if he/she is a valid user then a student login page will be displayed.

Data Flow Diagram for Book Issue :

STUDENT LOGIN PAGE → SELECT BOOK ISSUES → ENTER BOOK DETAIL → IF AVBL → SELECT BOOK ISSUE → UPDATE NO OF COPIE → BOOK DATABASE

LOGIN DATABASE
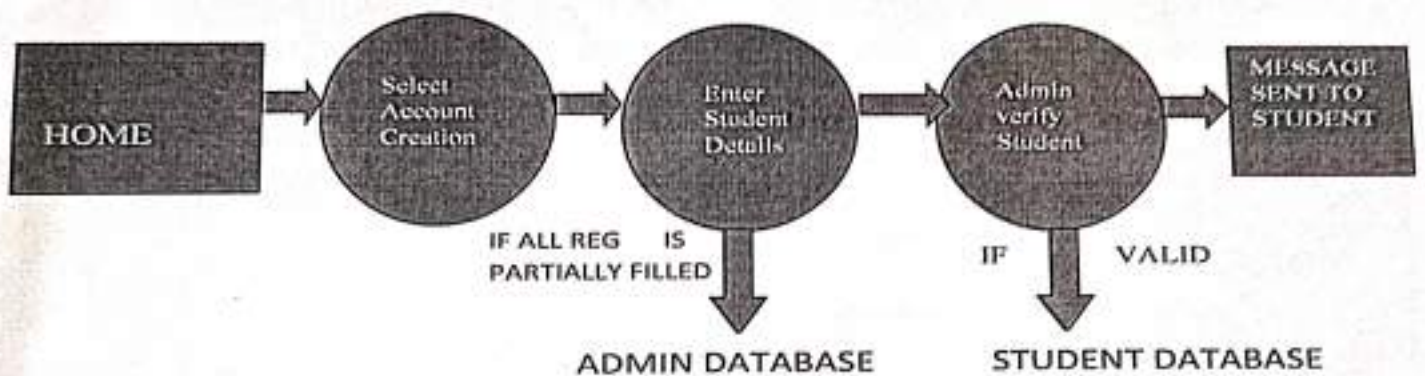
BOOK DATABASE   LOGIN TABLE   BOOK DATABASE

It is a 2nd level Data Flow Diagram where after entering STUDENT LOGIN page he/she can select a book issue option where after entering the book detail, he/she can select the book issue option and if the maximum no of books issued limit is not crossed then a request will be sent to the librarian who will approve the book issue.

Data Flow Diagram for Book Search :

HOME → SELECT ADVANCE SEARCH → ENTER BOOK DETAIL → BOOK DETAILS

Book Database

After the home page login there will be an option of the book search where after entering book detail like author name, publication, book name etc book details will be displayed.
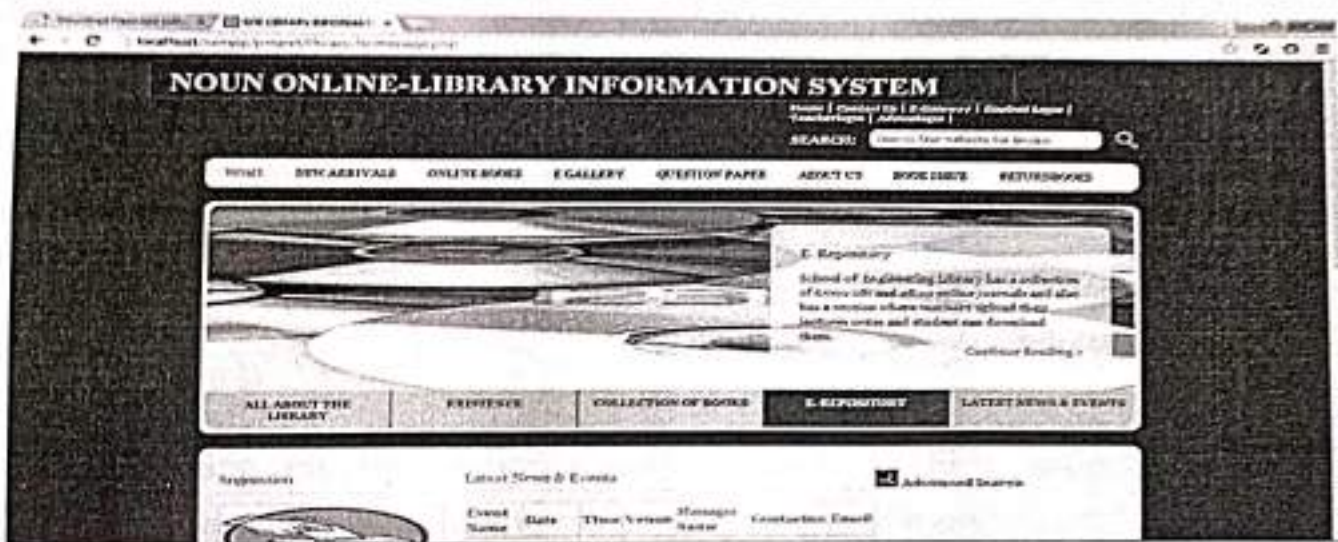
Data Flow Diagram for Account Creation :

After the home page login there will be an option of CREATE AN ACCOUNT where after entering student detail, if all the fields are filled then a request will be sent to the librarian who will approve him as a registered member of the library.
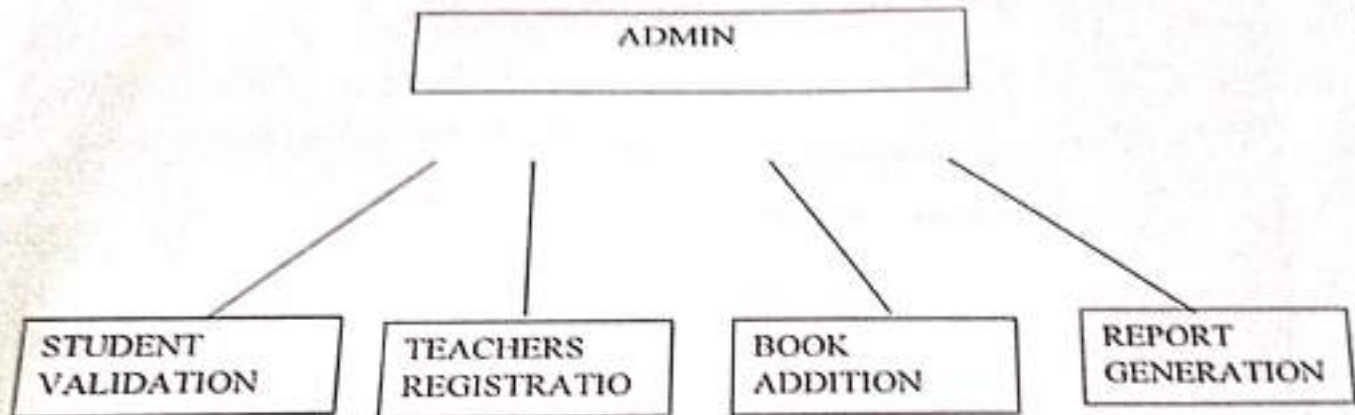
CHAPTER 4
SYSTEM DESIGN AND IMPLEMENTATION

4.1 Screenshot for homepage :
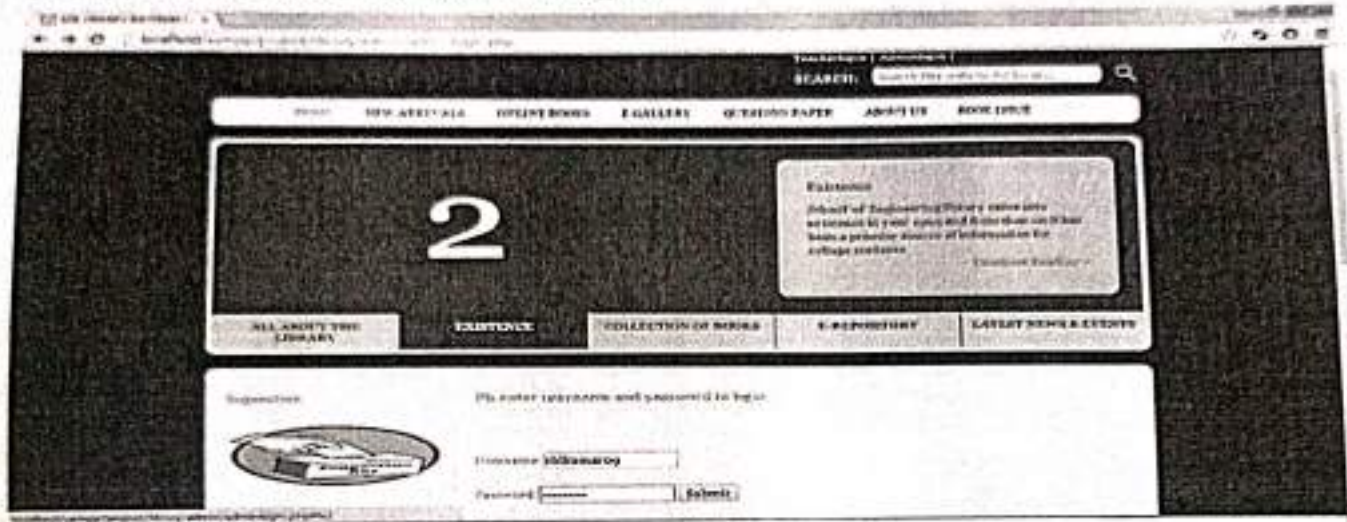

4.1.1 MODULE DESCRIPTION :

For Library Management System it is divided into the following Modules:

4.1.2 Admin Module :

```
                        ┌─────────────────────┐
                        │        ADMIN        │
                        └─────────────────────┘
                       ╱       │        │        ╲
                      ╱        │        │         ╲
         ┌────────────┐  ┌────────────┐  ┌────────────┐  ┌────────────┐
         │  STUDENT   │  │ TEACHERS   │  │   BOOK     │  │  REPORT    │
         │ VALIDATION │  │REGISTRATIO │  │ ADDITION   │  │ GENERATION │
         └────────────┘  └────────────┘  └────────────┘  └────────────┘
```
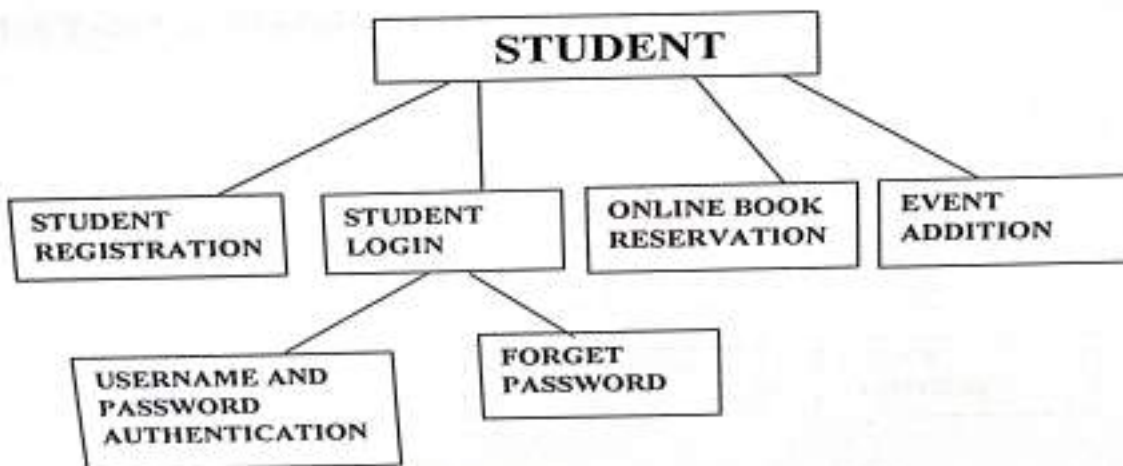
The following module contains various facilities like student validation, teacher registration, book addition, and report generation.
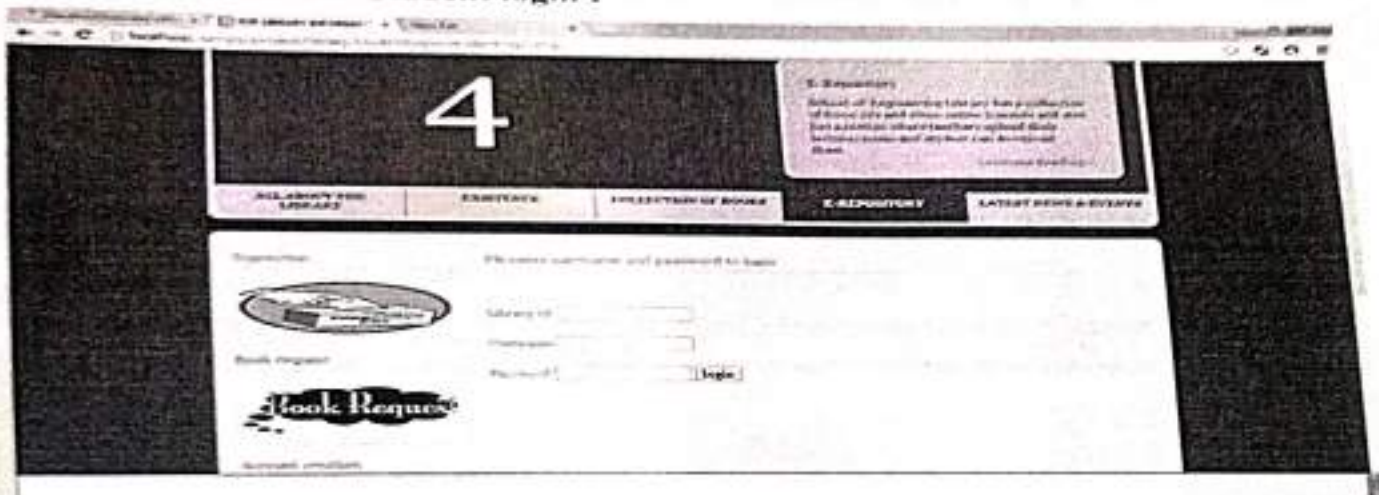
4.1.2.1 Screenshot for Admin login:
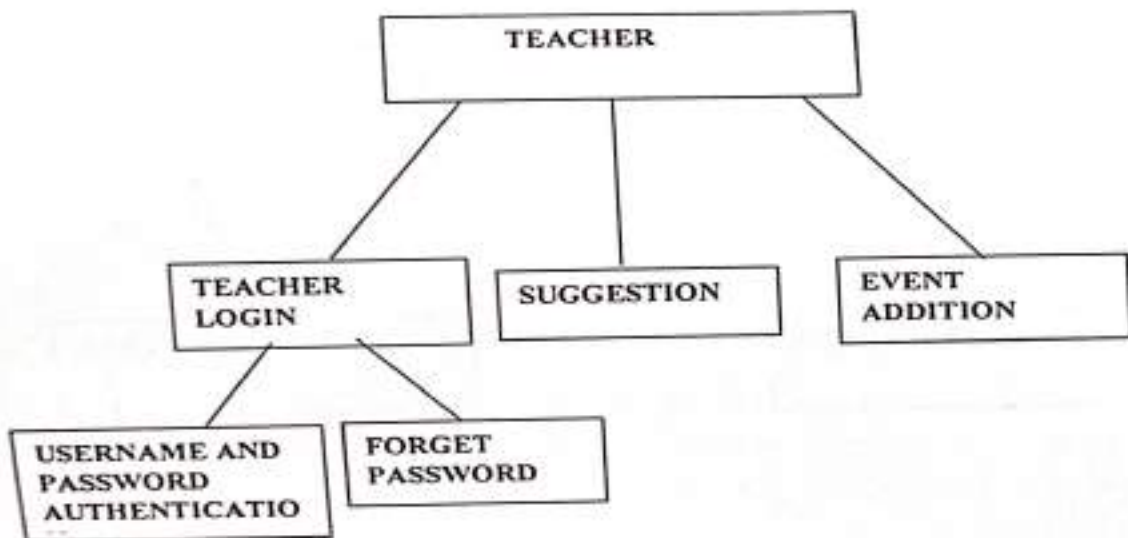

4.1.3 Student Module:

The following module contains various facilities like student registration, student login, online book reservation, and event addition. Any student if at any moment forgets his password he can retrieve it from forgot password option.
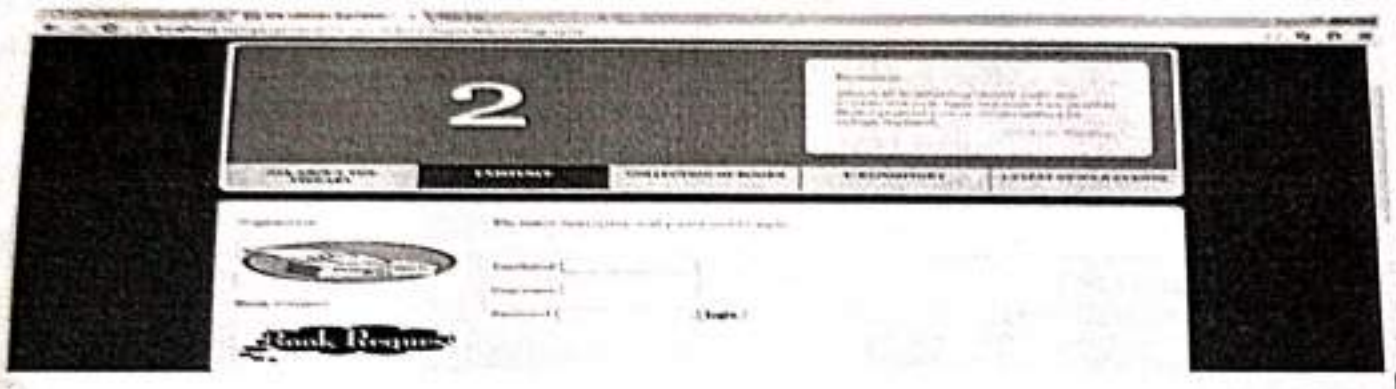
4.1.3.2 Screenshot for Student login :
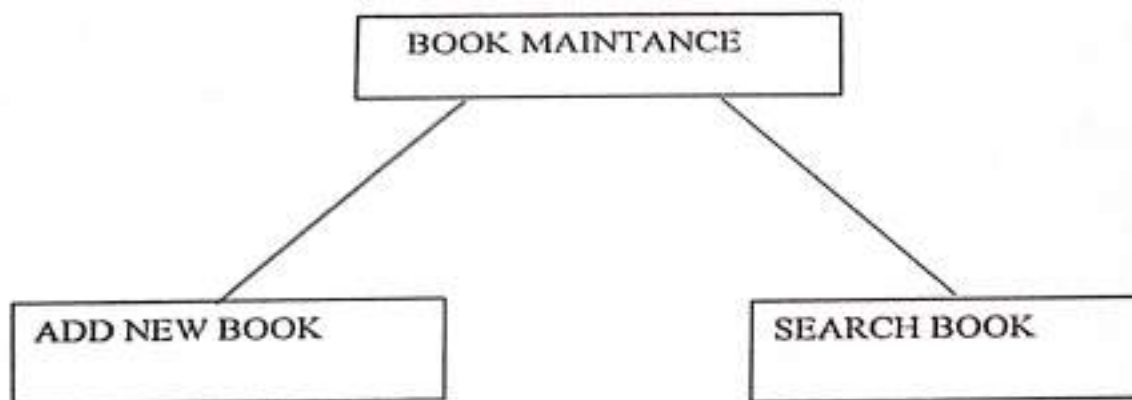

4.1.4 Teacher Module :

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The following module contains various facilities like teacher login, suggestions, and event addition. Further any teacher if at any moment forgets his/her password he/she can retrieve it from 'forgot password' option.
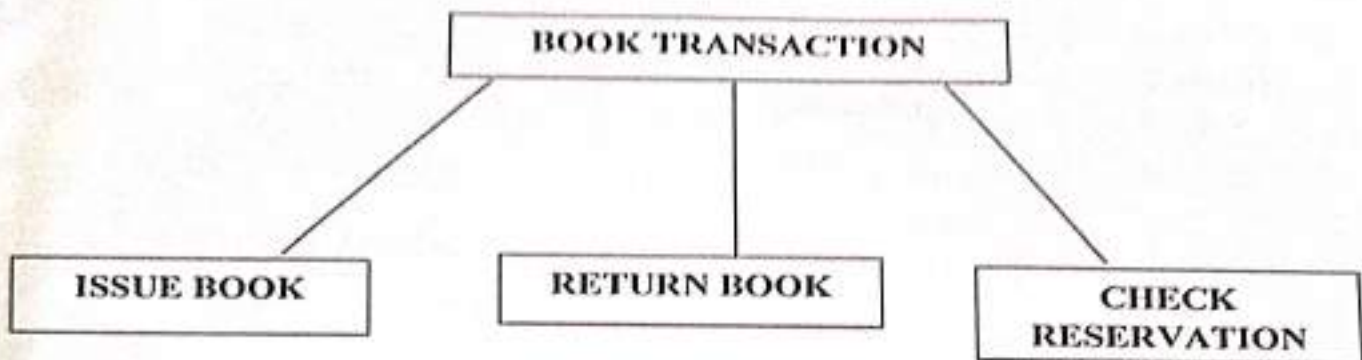
4.1.4.3 Screenshot for teacher's login :

• 4.1.5 Book Module :

The following module contains various facilities like add new book and search book. In the 'add new book' section if any new book comes in the library then the librarian can add its specifications. Similarly if the user wants to search for a specific book then he/she can use search book option to do it.

- **4.1.5.4 Book Transaction Module :**

```
                    ┌──────────────────────────┐
                    │    BOOK TRANSACTION      │
                    └──────────────────────────┘
               ╱                  │               ╲
┌──────────────────┐   ┌──────────────────┐   ┌──────────────────┐
│   ISSUE BOOK     │   │   RETURN BOOK    │   │      CHECK       │
│                  │   │                  │   │   RESERVATION    │
└──────────────────┘   └──────────────────┘   └──────────────────┘
```
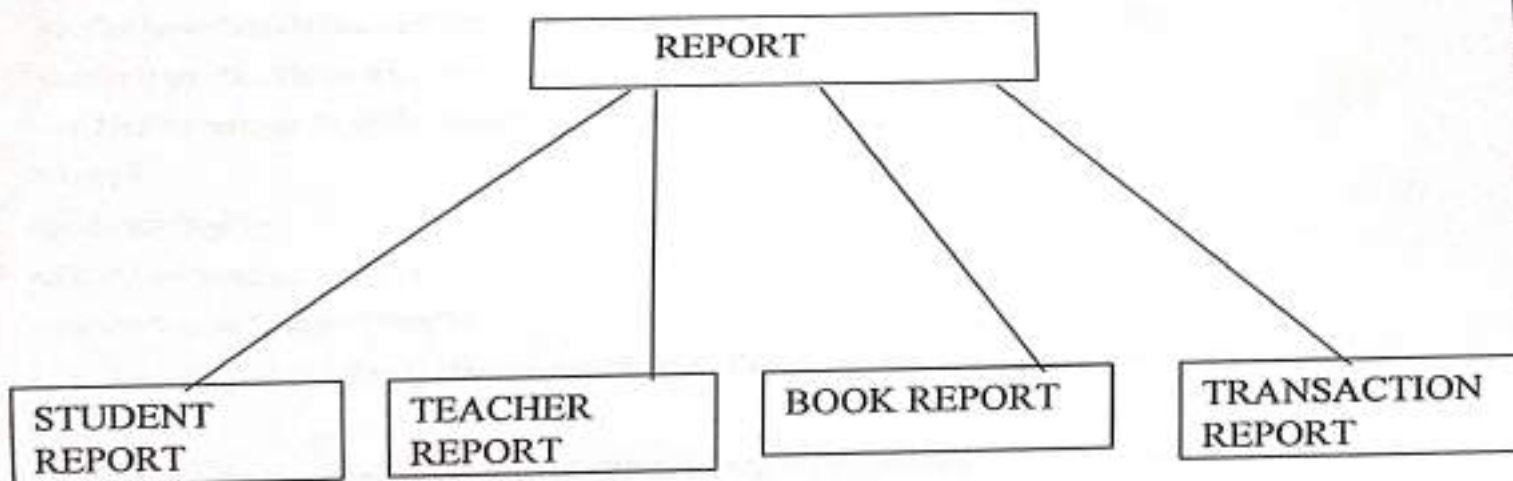
The following module contains various facilities like issue book, return book and check reservation.

4.1.5.4 Screenshot for Book search :

4.1.6 Report Module :

The following module contains various facilities like student report, teacher report, book report, and transaction report.

PROGRAM SOURCECODE

```php
<?php
//Start session
session_start();
//Unset the variables stored in session
unset($_SESSION['SESS_FIRST_NAME']);
unset($_SESSION['SESS_LAST_NAME']);
?>
<!DOCTYPE html>
<html xml:lang="EN" lang="EN" dir="ltr">
<head> <title>NOUN LIBRARY INFORMATION SYSTEM</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta http-equiv="imagetoolbar" content="no" />
<link rel="stylesheet" href="../styles/layout.css" type="text/css" />
<!-- Homepage Specific Elements -->
<script type="text/javascript" src="../scripts/jquery-1.4.1.min.js"></script>
<script type="text/javascript" src="../scripts/jquery-ui-1.7.2.custom.min.js"></script>
<script type="text/javascript" src="../scripts/jquery.tabs.setup.js"></script>
<!-- End Homepage Specific Elements -->
</head>
<body id="top">
<div class="wrapper row1">
<div id="header" class="clear">
<div class="fl_left"> Library Management System Division Of Computer Science And Engineering
Page 31
<h1><a href="homepage.php">NOUN LIBRARY MANAGEMENT SYSTEM</a></h1>
<p></p>
</div>
<div class="fl_right">
<ul>
```

```html
<li><a href="http://localhost/xampp/project/library/homepage.php">Home</a></li>
<li><a href="http://localhost/xampp/project/library/contact/Contactus.php">Contact Us</a></li>
<li><a href="http://localhost/xampp/project/library/egateway/egateway.php">E-Gateway</a></li>
<li><a href="http://localhost/xampp/project/library/studentlogin/studentlogin.php">Student
Login</a></li>
<li ><a href="teacherlogin.php">Teacherlogin</a></li>
<li><a href="http://localhost/xampp/project/library/admin/adminlogin.php">Adminlogin</a></li>
</ul>

<form action="#" method="post" id="sitesearch">

<fieldset>

<strong>Search:</strong>

<input type="text" value="Search Our webiste for books;" onfocus="this.value=(this.value=='Search
Our website for books;')? " : this.value ;" />

<input type="image" src="../images/search.gif" id="search" alt="Search" />

</fieldset>

</form>

</div>

</div>

</div>

<!--
##########################################################################################
#################### -->

<div class="wrapper row2">

<div class="rnd">
```

```html
<!-- ###### -->
<div id="topnav">
<ul>
<li class="active"><a href="http://localhost/xampp/project/library/homepage.php">Home</a></li>
<li><a href="http://localhost/xampp/project/library/newarrivals.php">New Arrivals</a></li>
<li><a href="http://localhost/xampp/project/library/onlinebooks.php">Online Books</a></li> Library
Management System Division Of Computer Science And Engineering Page 32
<li><a href="http://localhost/xampp/project/library/egallery.php">E Gallery</a></li>
<li><a href="http://localhost/xampp/project/library/questionpaper.php">Question Paper</a></li>
<li><a href="http://localhost/xampp/project/library/aboutus.php">About Us</a></li>
<li><a href="http://localhost/xampp/project/library/bookissue.php">Book Issue </a></li>
<li class="last"><a href="#"></a></li>
</ul>
</div>
<!-- ###### -->
</div>
</div>
<!--
#############################################################################
##################### -->
<div class="wrapper">
<div id="featured_slide" class="clear">
<!-- ###### -->
<div class="overlay_left"></div>
```

```html
<div id="featured_content">
  <div class="featured_box" id="fc1"><img src="../images/demo/slider/1.gif" alt="" />
  <div class="floater">
  <h2>All ABOUT SOE LIBRARY</h2>
  <p>School of Engineering Library or the S.O.E library is one of the finest library in kerela having a good collection of books related to various subjects</p>
  <p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
  </div>
  </div>

  <div class="featured_box" id= "fc2"><img src="../images/demo/slider/2.gif" alt="" />
  <div class="floater">
  <h2>Existence</h2>
  <p>School oF Engineering library came into existence in year 1995 and from then on it has been a premier source of information for college students</p>
  <p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
  </div>
  </div>

  <div class="featured_box" id="fc3"><img src="../images/demo/slider/3.gif" alt="" />
  <div class="floater">
  <h2>Collection</h2>
  <p>School of Engineering Library has a collection of over 25000 books related to various subjects in engineering</p> Library Management System Division Of Computer Science And Engineering Page 33
  <p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
```

```html
</div>
</div>
<div class="featured_box" id="fc4"><img src="../images/demo/slider/4.gif" alt="" />
<div class="floater">
<h2>E-Repository</h2>
<p>School of Engineering Library has a collection of 6000 cds and 2800 online journals and also has a section where teachers upload their lectures notes and student can download them.</p>
<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
</div>
</div>
<div class="featured_box" id="fc5"><img src="../images/demo/slider/5.gif" alt="" />
<div class="floater">
<h2>Latest News and events</h2>
<p></p>
<p class="readmore"><a href="#">Click here to go to latest news page;</a></p>
</div>
</div>
</div>
<ul id="featured_tabs">
<li><a href="#fc1">All About The Library</a></li>
<li><a href="#fc2">Existence</a></li>
<li><a href="#fc3">Collection of Books</a></li>
<li><a href="#fc4">E-Repository</a></li>
<li class="last"><a href="#fc5">Latest News &amp; Events</a></li>
```

```
</ul>

<div class="overlay_right"></div>

<!-- ###### -->

</div>

</div>

<!--
########################################################################
####################### -->

<div class="wrapper row3">

<div class="rnd">

<div id="container" class="clear">

<!--
########################################################################
##################### -->

<div id="homepage" class="clear">

<!-- ###### -->

<div id="left_column"> Library Management System Division Of Computer Science And Engineering
Page 34

<h2>Sugeestion</h2>

<div class="imgholder"><a href="#"><img src="../images/images/suggestions.jpg" alt=""
/></a></div>

<h2>Book request</h2>

<div class="imgholder"><a href="#"><img src="../images/images/bookrequest1.jpg" alt=""
/></a></div>

<h2>Account creation</h2>
```

```html
<div class="imgholder"><a href="#"><img src="../images/images/account.jpg" alt="" /></a></div>
<h2>Photos</h2>
<div class="imgholder"><a href="#"><img src="../images/images/photos.jpg" alt="" /></a></div>
</div>
<!-- ###### -->
<div id="latestnews">
<h2>Pls enter username and password to login</h2>
<table>
<form action="checklogin.php" method="post"><br><br>
Username:<input name="username" type="text" maxlength="12"><br><br>
Password:<input name="password" type="password" maxlength="12">
<input name="submit" type="submit">
</form>
</table>
</div>
<!-- ###### -->
<!-- ###### -->
</div>
<!--
################################################################################
################### -->

<!--
################################################################################
################### -->
```

```html
<div id="academiclinks" class="clear">

<h2>Quickly Find What You Are Looking For</h2>

<div class="linkbox">

<ul>

<li><a href="http://localhost/xampp/project/library/homepage.php">&raquo; Home</a></li>

<li><a href="http://localhost/xampp/project/library/studentlogin.php">&raquo; Student Login</a></li>

<li><a href="teacherlogin.php">&raquo; Teacher Login</a></li>

<li><a href="http://localhost/xampp/project/library/adminlogin.php">&raquo; Adminlogin</a></li>
```

Library Management System Division Of Computer Science And Engineering Page 35

```html
<li><a href="http://localhost/xampp/project/library/newarrival.php">&raquo; New Arrivals</a></li>

<li><a href="http://localhost/xampp/project/library/onlinebooks.php">&raquo; Online Books</a></li>

<li><a href="http://localhost/xampp/project/library/egallery.php">&raquo; E-Gallery</a></li>

<li><a href="http://localhost/xampp/project/library/aboutus.php">&raquo; About Us</a></li>

<li><a href="http://localhost/xampp/project/library/contactus.php">&raquo; Contact Us</a></li>

<li><a href="http://localhost/xampp/project/library/questionpaper.php">&raquo; Question Papers</a></li>

<li><a href="http://localhost/xampp/project/library/latestnews.php">&raquo; Latest Events & News</a></li>

</ul>

        </div>
<!--
########################################################################
#################### -->
</div>
        </div>
         </div>
```

45

```php
<?...
******************************************************************************
*******************  ->

<div class="wrapper">

<div id="copyright" class="clear">

<p class="fl_left">Copyright &copy; 2014 - All Rights Reserved for NOUN LIBRARY.</p>

<div> <div> </body> </html>


<?php

session_start();

$host="localhost"; // Host name

$username="root"; // Mysql username

$password=""; // db_password

$db_name="admin"; // Database name

$tbl_name="adminlogin"; // Table name

// Connect to server and select databse.

mysql_connect("$host", "$username", "$password")or die("cannot connect");

mysql_select_db("$db_name")or die("cannot select DB");

// username and password sent from form

$myusername=$_POST['username'];

$mypassword=$_POST['password'];

$sql="SELECT * FROM $tbl_name WHERE username='$myusername' and
password='$mypassword'";
```

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```php
$result=mysql_query($sql);
// Mysql_num_row is counting table row
$count=mysql_num_rows($result);
// If result matched $myusername and $mypassword, table row must be 1 row
if($count>0)
{ session_regenerate_id();
$member = mysql_fetch_assoc($result);
$_SESSION['SESS_FIRST_NAME'] = $member['username'];
$_SESSION['SESS_LAST_NAME'] = $member['password'];
session_write_close();
header("location: adminlogin1.php");
exit(); }
else {
//Login failed
$errmsg_arr[] = 'user name and password not found';
$errflag = true;
if($errflag) {
$_SESSION['ERRMSG_ARR'] = $errmsg_arr;
session_write_close();
header("location: adminlogin.php");
exit(); }
            }
?>
```

47

```php
<?php
require '../include/connection.php';
$result = mysqli_query($con,"SELECT * FROM student");
while($row = mysqli_fetch_array($result)) {
$libid=$row['libid'] ;
$regno= $row['regno'] ;
$name= $row['stuname'] ;
$branch= $row['branch'] ;
$semester= $row['semester'] ;
$section= $row['section'] ;
$yearofadm= $row['yearofadm'];
$email=$row['email'];
$username= $row['username'];
$password= $row['password'];
}
mysqli_close($con);
?>
<?php
require '../include/connection1.php';
```

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```php
$admin="admin@soelibrary.com";
$sql="INSERT INTO student(Libid,regno,stuname,branch,semester,section,yearofadm)
VALUES ('$libid','$regno','$name','$branch','$semester','$section','$yearofadm')";
$result="INSERT INTO studentlogin(logid,username,password,numbooks)
VALUES ('$libid','$username','$password','')";
if (!mysqli_query($connection,$sql)) {
die('Error1: ' . mysqli_error($connection)); }
else if (!mysqli_query($connection,$result)) {
die('Error2: ' . mysqli_error($connection)); }
else
mail($email,"registrationdetails","you are registered pls login with ur email id and password","From:
$admin\n");
echo"added 1 record";
mysqli_close($connection);
?>
<?php
require '../include/connection.php';
$result = mysqli_query($con,"SELECT * FROM student");
while($row = mysqli_fetch_array($result)) {
$libid=$row['libid'] ;
$regno= $row['regno'] ;
$name= $row['stuname'] ;
$branch= $row['branch'] ;
$semester= $row['semester'] ;
```

```php
  $section= $row['section'] ;

  $yearofadm= $row['yearofadm'];

  $email=$row['email'];

  $username= $row['username'];

  $password= $row['password
 }
 $sql = mysqli_query($con,"DELETE FROM student WHERE libid='$libid'");
 mysqli_close($con);


?>


<?php

$con=mysqli_connect("localhost","root","","library");

// Check connection

if (mysqli_connect_errno())

{

echo "Failed to connect to MySQL: " . mysqli_connect_error();

}

$sql="INSERT INTO books (code, bookname, author, publication, subject, numberofbooks)

VALUES

('$_POST[bookid]','$_POST[bookname]','$_POST[author]','$_POST[publication]','$_POST[subject]','$
_POST[numberofbooks]')";

if (!mysqli_query($con,$sql))

{

echo "error";
```

```php
    }
    echo "successs";
    mysqli_close($con);
    ?>
    <?php
    $con=mysqli_connect("localhost","root","","admin");
    // Check connection
    if (mysqli_connect_errno())
    {
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
    }
    $sql="INSERT    INTO    newarrivals    (code,    bookname,    author,    publication,    subject,
    numberofbooks,arrivaldate)
    VALUES
    ('$_POST[bookid]','$_POST[bookname]','$_POST[author]','$_POST[publication]','$_POST[subject]','$
    _POST[numberofbooks]','$_POST[arrivaldate]')";
    if (!mysqli_query($con,$sql))
    {
    echo "error";
    }
    echo "successs";
    mysqli_close($con);
    ?>
```

```html
<!DOCTYPE html>

<html xml:lang="EN" lang="EN" dir="ltr">

<head>

<title>SOE LIBRARY INFORMATION SYSTEM</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />

<meta http-equiv="imagetoolbar" content="no" />

<link rel="stylesheet" href="../styles/layout.css" type="text/css" />

<!-- Homepage Specific Elements -->

<script type="text/javascript" src="../scripts/jquery-1.4.1.min.js"></script>

<script type="text/javascript" src="../scripts/jquery-ui-1.7.2.custom.min.js"></script>

<script type="text/javascript" src="../scripts/jquery.tabs.setup.js"></script>

<!-- End Homepage Specific Elements -->

</head>

<body id="top">

<div class="wrapper row1">

<div id="header" class="clear">

<div class="fl_left">

<h1><a href="homepage.php">SOE LIBRARY MANAGEMENT SYSTEM</a></h1>

<p></p>

</div>
```

```html
<div class="fl_right">
  <ul>
    <li><a href="http://localhost/xampp/project/library/homepage.php">Home</a></li>
    <li><a href="http://localhost/xampp/project/library/contact/Contactus.php">Contact Us</a></li>
    <li><a href="http://localhost/xampp/project/library/egateway/egateway.php">E-Gateway</a></li>
    <li><a href="http://localhost/xampp/project/library/studentlogin/studentlogin.php">Student Login</a></li>
    <li><a
href="http://localhost/xampp/project/library/teachrlogin/teacherlogin.php">Teacherlogin</a></li>
    <li><a href="http://localhost/xampp/project/library/admin/adminlogin.php">Adminlogin</a></li>
  </ul>
<form action="#" method="post" id="sitesearch">
<fieldset>
<strong>Search:</strong>
<input type="text" value="Search Our webiste for books;" onfocus="this.value=(this.value=='Search
Our website for books;')? " : this.value ;" />
<input type="image" src="../images/search.gif" id="search" alt="Search" />
</fieldset>
</form>
</div>
</div>
</div>
<!--
############################################################################################
##################### -->
```

```html
<div class="wrapper nav2">

<div class="nav">

<!-- ##### -->

<div id="topnav">

<ul>

<li class="active"><a href="homepage.php">Home</a></li>

<li><a href="newarrivals.php">New Arrivals</a></li>

<li><a href="onlinebooks.php">Online Books</a></li>

<li><a href="egallery.php">E Gallery</a></li>

<li><a href="questionpaper.php">Question Paper</a></li>

<li><a href="aboutus.php">About Us</a></li>

<li><a href="bookissue.php">Book Issue </a></li>

<li class="last"><a href="#"></a></li>

</ul>

</div>

<!-- ##### -->

</div>

</div>

<!--
################################################################################################
##################### -->

<div class="wrapper">

<div id="featured_slide" class="clear">

<!-- ##### -->
```

```html
<div class="wrapper row2">
  <div class="rnd">
  <!-- ###### -->
  <div id="topnav">
  <ul>
  <li class="active"><a href="homepage.php">Home</a></li>
  <li><a href="newarrivals.php">New Arrivals</a></li>
  <li><a href="onlinebooks.php">Online Books</a></li>
  <li><a href="egallery.php">E Gallery</a></li>
  <li><a href="questionpaper.php">Question Paper</a></li>
  <li><a href="aboutus.php">About Us</a></li>
  <li><a href="bookissue.php">Book Issue </a></li>
  <li class="last"><a href="#"></a></li>
  </ul>
  </div>
  <!-- ###### -->
  </div>
</div>
<!--
##############################################################################################
##################### -->
<div class="wrapper">
<div id="featured_slide" class="clear">
<!-- ###### -->
```

```
<div class="overlay_left"></div>

<div id="featured_content">

<div class="featured_box" id="fc1"><img src="../images/demo/slider/1.gif" alt="" />

<div class="floater">

<h2>All ABOUT SOE LIBRARY</h2>

<p>School of Engineering Library or the S.O.E library is one of the finest library in kerala having a
good collection of books related to various subjects</p>

<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>

</div>

</div>

<div class="featured_box" id="fc2"><img src="../images/demo/slider/2.gif" alt="" />

<div class="floater">

<h2>Existence</h2>

<p>School of Engineering library came into existence in year 1995 and from then on it has been a
premier source of information for college students</p>

<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>

</div>

</div>

<div class="featured_box" id="fc3"><img src="../images/demo/slider/3.gif" alt="" />

<div class="floater">

<h2>Collection</h2>

<p>School of Engineering Library has a collection of over 25000 books related to various subjects in
engineering</p>

<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>
```
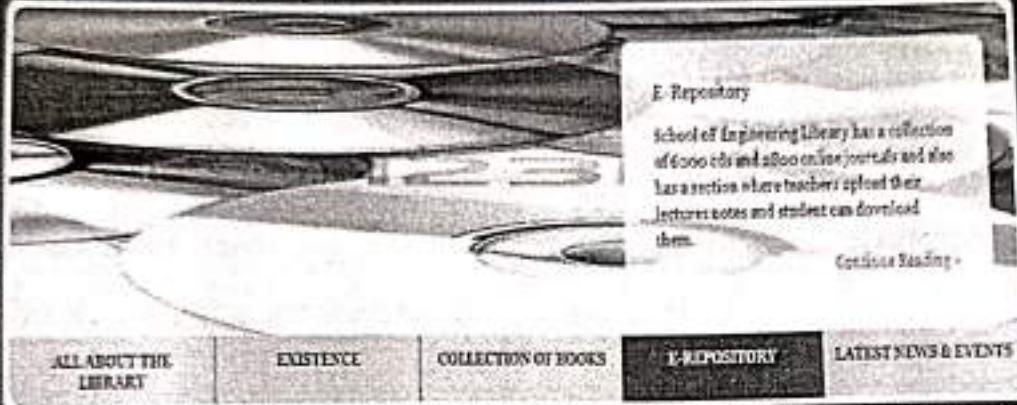
55

```html
</div>

</div>

<div class="featured_box" id="fc4"><img src="../images/demo/slider/4.gif" alt="" />

<div class="floater">

<h2>E-Repository</h2>

<p>School oF Engineering Library has a collection of 6000 cds and 2800 online journals and
also has a section where teachers upload their lectures notes and student can download
them.</p>

<p class="readmore"><a href="#">Continue Reading &raquo;</a></p>

</div>

</div>

<div class="featured_box" id="fc5"><img src="../images/demo/slider/5.gif" alt="" />

<div class="floater">

<h2>Latest News and events</h2>

<p></p>

<p class="readmore"><a href="#">Click here to go to latest news page;</a></p>

</div>

</div>

</div>

<ul id="featured_tabs">

<li><a href="#fc1">All About The Library</a></li>

<li><a href="#fc2">Existence</a></li>

<li><a href="#fc3">Collection of Books</a></li>
```

```
<li><a href="#fc4">E-Repository</a></li>

<li class="last"><a href="#fc5">Latest News &amp; Events</a></li>

</ul>

<div class="overlay_right"></div>

<!-- ###### -->

</div>

</div>
```

SAMPLE OUTPUT

SOE LIBRARY MANAGEMENT SYSTEM

SEARCH: [Search Our website for books] 🔍

| HOME | NEW ARRIVALS | ONLINE BOOKS | E GALLERY | QUESTION PAPER | ABOUT US | BOOK ISSUE | RETURN BOOKS |

E-Repository

School of Engineering Library has a collection of 6000 cds and 2800 online journals and also has a section where teachers upload their lectures notes and student can download them.

Continue Reading »

| ALL ABOUT THE LIBRARY | EXISTENCE | COLLECTION OF BOOKS | E-REPOSITORY | LATEST NEWS & EVENTS |

Suggestion   Latest News & Events   🔲 Advanced Search

Event Name	Date	Time	Venue	Manager Name	Contactno	Email

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CHAPTER 5
CONCLUSION

5.1 Summary :

This website (Online Library) provides a computerized version of library management system which will benefit the students as well as the staff of the library.

It makes entire process online where student can search books; staff can generate reports and do book transactions. It also has a facility for student login where student can login and can see status of books issued as well request for book or give some suggestions. It has a facility of teacher's login where teachers can add lectures notes and also give necessary suggestion to library and also add info about workshops or events happening in our college or nearby college in the online notice board.

There is a future scope of this facility that many more features such as online lectures video tutorials can be added by teachers as well as online assignments submission facility, a feature

Of group chat where students can discuss various issues of engineering can be added to this project thus making it more interactive more user friendly and project which fulfills each users need in the best way possible.

5.2 Conclusion :

The aim of the system testing process was to determine all defects in our project .The program was subjected to a set of test inputs and various observations were made and based on these observations it will be decided whether the program behaves as expected or not.

Our Project went through two levels of testing

1. Unit testing
2. Integration testing

REFERENCES

➢ **Adamson (2008)** An integrated library system, also known as a library management system is an enterprise resource planning system for a library, used to track items owned, orders made, bills paid, and users who have borrowed.

➢ **Ademodi&Adepoju, (2009)** investigated the computer skill among librarians in academic libraries on Ondo and Ekiti State in Nigeria.

➢ **Ashutosh&Ashish, (2012)** the Online-Library Information System is an Online-Library platform mostly used for monitoring and controlling the transactions in a library.

➢ **Johnson, (2007)** explained more about library and information science education in developing countries.

➢ **Rahman, Khatun and Islam, (2008)** reviewed the library education in Bangladesh.

➢ **Rasmus Lerdorf (1995)** the reference implementation of PHP is now produced by The PHP Group.

➢ **Nepal, Siwakoti, (2008)** found that there was no government agency to control, monitor and evaluate the school libraries activities.

A PROJECT REPORT
ON
ONLINE TICKET BOOKING SYSTEM

స్త్రీ విద్యాప్రవర్ధతాం

A project report submitted in partial fulfillment of requirement

for the award of the degree of Bachelor of

B.Com Computer Applications

Submitted by

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P.MOUNIKA	(1623033)
D.DIVYA	(1623017)
G.SWAPNA KUMARI	(1623018)

Under the esteemed guidance of
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DEPARTMENT OF COMPUTER SCIENCE

A.S.D GOVT DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICPUR, KAKINADA
2018-2019
DECLARATION

We declare that the project is original and is conceived by us. We have it worked it independently

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K.SUNEETHA	K. Suneetha
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This is to certify that the Project on **"ONLINE TICKET BOOKING SYSTEM"** was taken up by students of III.B.Com(Computer Applications) under the able guidance of Mrs. G.SatyaSuneetha, Department of Computer Science, **A.S.D GOVT DEGREE COLLEGEFOR WOMEN (A)**,Jagannaickpur, Kakinada. The project work is completed in a systematic way.

Project Incharge   Head of the Department   Principal   External

Examiner

A PROJECT REPORT
ON
Online exam system

స్త్రీ విద్య ప్రవర్ధతాం

A project report submitted in partial fulfillment of requirement

for the award of the degree of Bachelor of

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A PROJECT REPORT
ON
Online Registration

స్త్రీ విద్యా ప్రవర్తతాం

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Project Incharge   Head of the Department   Principal

External Examiner

A PROJECT REPORT
ON
Online Shopping

స్త్రీ విద్యాప్రవర్ధతాం

A project report submitted in partial fulfillment of requirement

for the award of the degree of Bachelor of

B.Com Computer Applications

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2018-2019
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M.Eswari	
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DEPARTMENT OF COMPUTERS

స్త్రీ విద్యాప్రవర్ధకం

CERTIFICATE

This is to certify that the Project on **"ONLINE SHOPPING"** was taken up by students of III.B.Com(Computer Applications) under the able guidance of Mrs. G.SatyaSuneetha, Department of Computer Science, **A.S.D GOVT DEGREE COLLEGEFOR WOMEN (A),**Jagannaickpur, Kakinada. The project work is completed in a systematic way.

Project Incharge   Head of the Department   Principal

External Examiner