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# Chapter-1

## Introduction

## 1.1 What is PHP

- PHP is an acronym for “Hypertext Pre-processor”
- PHP is free, and open source scripting language.
- PHP is a Server Side Scripting Language. Scripts are executed on Server.
- The result is returned to the browser as plain HTML.

## 1.2 Features of PHP

- Generate Dynamic Page Content.
- Access and work with Files on Server.
- Send/ Receive Cookies.
- Access and Work with database.
- Encrypt Data
- Collect form Data.
- Restrict users from accessing without authentication.

# **Chapter-2**

## **General Description**

## 2.1 Introduction: -

- The Project “College website” is an innovative website of Dr. S. & S. S. Ghandhy College of Engineering & Technology.
- It is designed by implementing PHP, MySQL, HTML, CSS, JavaScript and JQuery, Ajax, and Bootstrap.
- Adobe Dreamweaver is used for Programming and Designing Tool.
- Mozilla Firefox and Google Chrome are used as Diagnostic Tools.
- The Website Provides dynamic college information such as Department Wise Staff Details, Placement details, Articles, Results, Syllabus, etc.
- It also provides Administration panel from where Admin can update/ Edit web content.
- This Website is a cross browser/cross device compatible, having interactive Graphics.
- The scope of the website is not only limited to attracting and encouraging high school students to take coursework at Dr. S. & S. S. Ghandhy College of Engineering & Technology.
- It also aims to provide information about institute, keeping in mind that he person visiting this website wants a full knowledge of the college.

## 2.2 Product Perspective

### 2.2.1 Problem Identification.

- The Existing Website Lacks the Efficient Data Management.
- The Existing Website is Static
- Graphics are not user friendly.
- No option for Downloading Syllabus, Results, Timetables.
- No option for latest News, Articles. Events.

### 2.2.2. Expected Outcome.

- College site is now Dynamic which retrieves data from database.
- Admin Panel which facilitates Admin to setup the content of web-pages.
- Admin panel is secured and cannot be accessed without logging in as admin.
- User Friendly Pages which contain Interactive Graphics design and dynamic information.
- Contains Downloads section to download Timetables, Syllabus, etc.
- Contains Articles section which displays all the articles and events uploaded by Admin.

## **Chapter-3**

# **Requirement Analysis And Specifications**

### 3.1 Problem solving technique: -

#### ➤ Bottoms up: -

- It is the pricing together of system to give rise to grander, thus making the original system, sub-system of element system.
- In a bottom-up approach the individual base elements of system are first specified in great details.
- These elements are then linked together to form larger sub-system, which then in turn are linked, sometimes in many levels, until a complete top-level system is formed.
- Incremental model is a popular version of the system development life cycle model for software engineering.
- By this way, it is easy to make a grander system by small modules.

#### ➤ Why Bottoms – up?

- This approach allows teams to code functioning sub-systems quickly.
- Testing can be done early and often, as first-level systems are defined first.
- It encourages and leads to reusable code.
- Pre-existing code is simpler to incorporate and test.



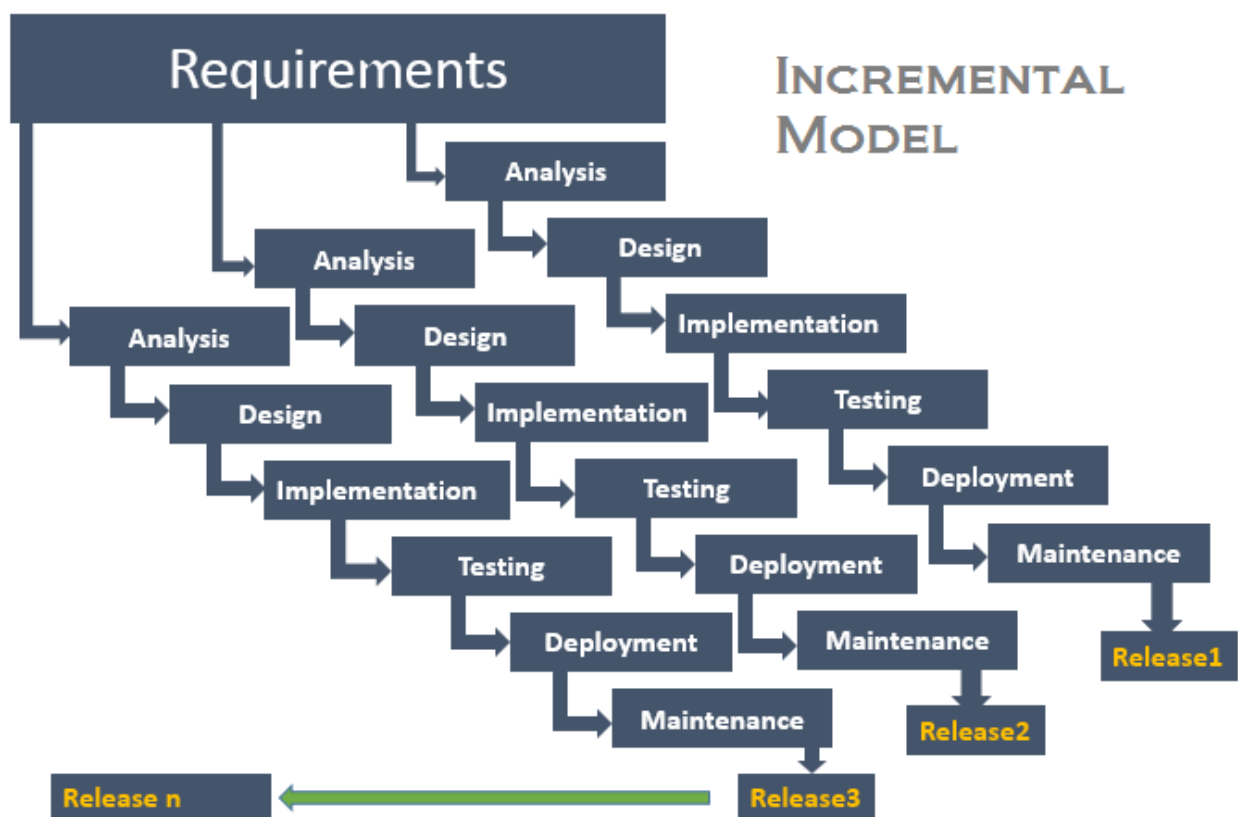
### 3.2 Project life cycle model:

#### ➤ Incremental Model:-

- Incremental model combines elements of the linear sequential model with the iterative philosophy of prototyping.
- In this, incremental model first increment is called core product.
- In core product basic requirement are added but some unknown supplementary features remain undelivered.
- This core product is used by customer to evaluate the system and next increment is planned to develop.
- During first requirement analysis phase, customer and developers specifies as many requirements as possible and prepare documentation.
- First version of product with minimal and essential feature is launched to market.
- Based on the feedback and experience with this version, list of additional features is added.
- This process is repeated following the delivery of each increment, until the complete product is produced.

### 3.3 Advantages of model: -

- We can add feature/modules as per our need.
- Less cost and time is required to develop core product.
- It can result in better testing, because testing each increment is likely to be easier than testing entire system.
- Incremental funding is allowed, means only one or two increments might be funded when the program starts.



### 3.4 Functional Requirements of System: -

#### (1) Hardware Requirement: -

##### Server Need:

- Processor Intel Pentium IV(2.4GHZ)
- RAM: 512MB
- Hard Disk: 40GB
- NIC Card

##### Client Need:

- Processor: Intel core i3
- RAM:512 MB
- Hard Disk :100GB
- Internet Connection Required

#### (2) Software Requirement: -

##### Client Need:

- Operating System: Windows 7 and above.
- Browser: Google Chrome/ Mozilla Firefox.

### 3.2 System Requirement Specification: -

Table 3.2 System Requirement Specification

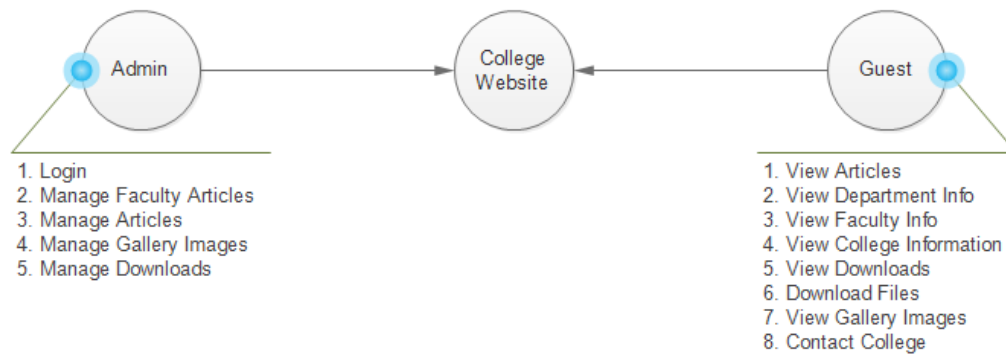
Actor	Main Activity	Database Activity	Activity in Table	Document
Admin	Add Faculty	Update	Clg_Faculty	
	Edit Faculty	Update	Clg_Faculty	
	Remove Faculty	Update	Clg_Faculty	
	Add images	Update	Clg_Gallery	
	Edit Images	Update	Clg_Gallery	
	Remove Images	Update	Clg_Gallery	
	Add Article	Update	Clg_Article	
	Edit Article	Update	Clg_Article	
	Remove Article	Update	Clg_Article	
	Add File to Download	Update	Clg_Download	
	Remove File to Download	Update	Clg_Download	

# Chapter-4

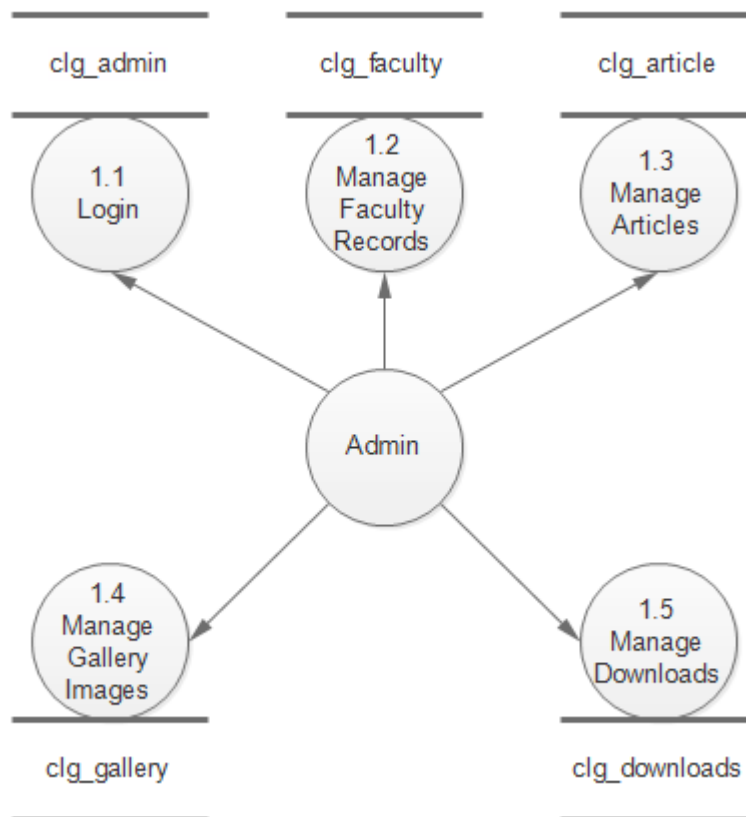
## Design

#### 4.1 Data Flow Diagram

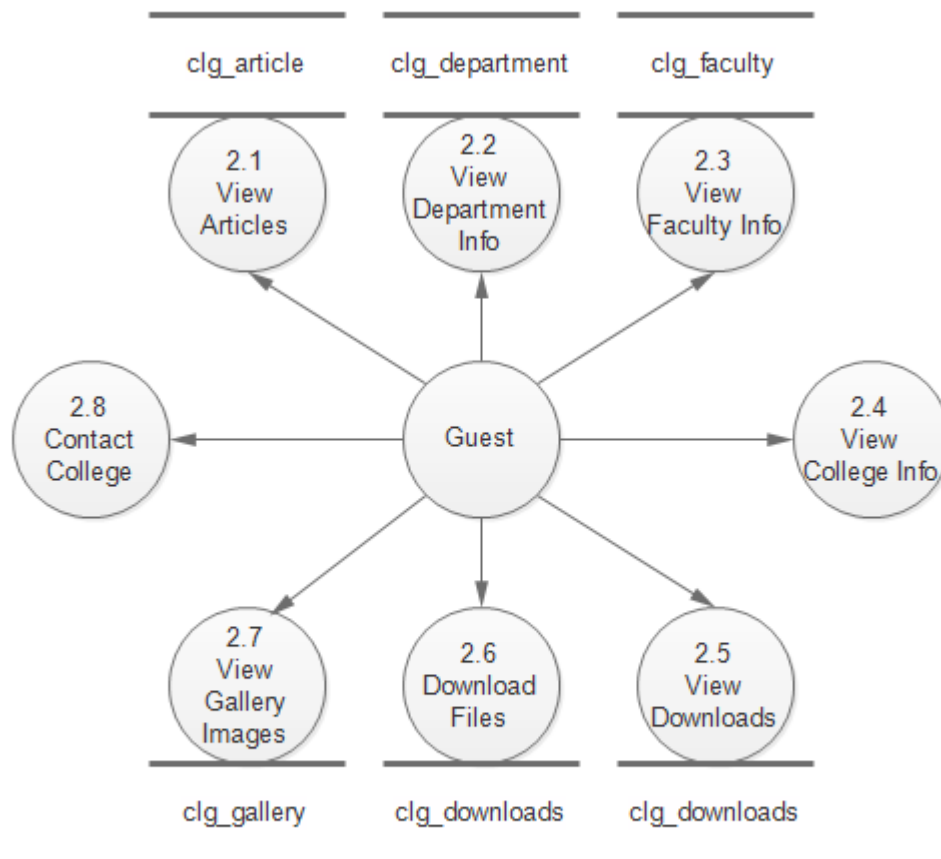
- 0 Level DFD



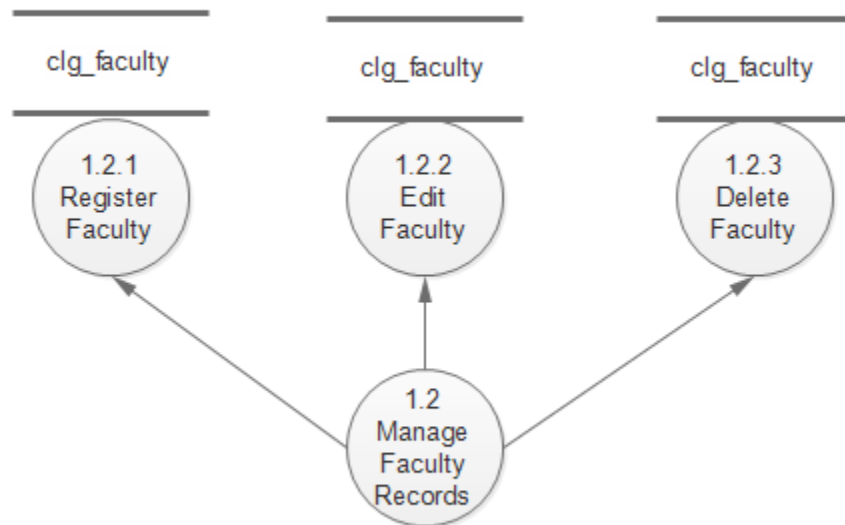
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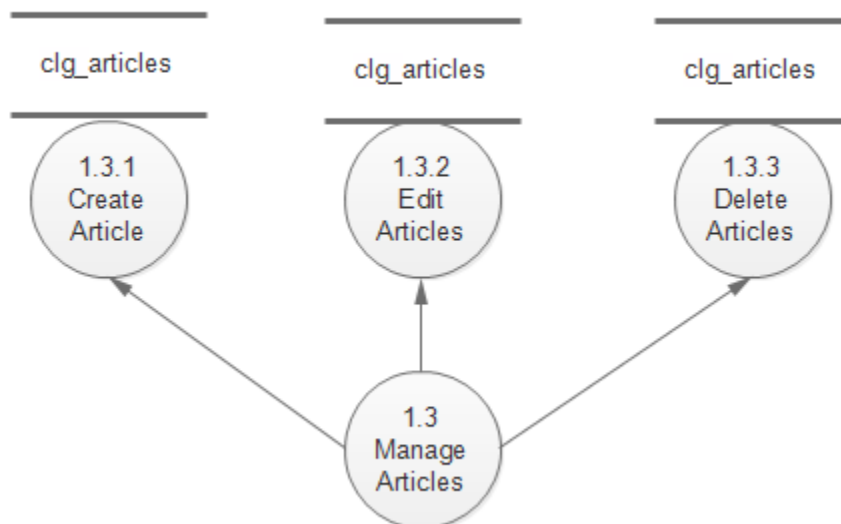
- 1<sup>st</sup> Level DFD Guest



- 2<sup>nd</sup> Level DFD Manage Faculty Records

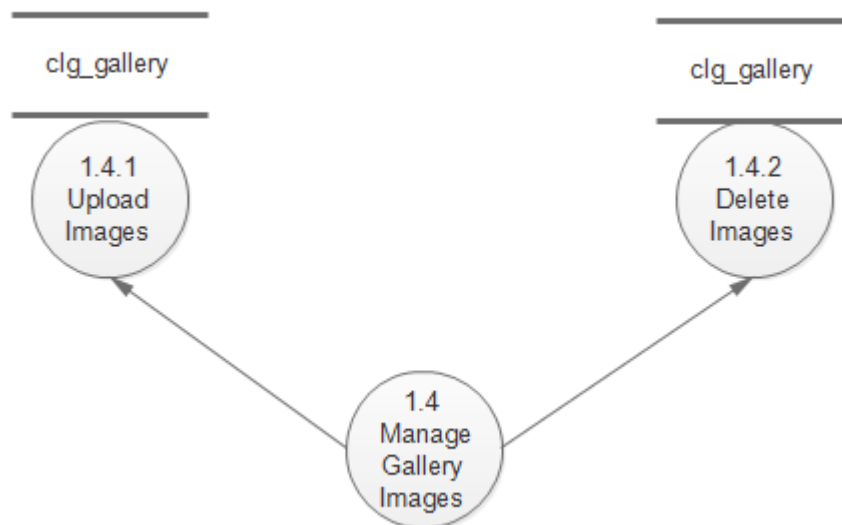


- 2<sup>nd</sup> Level DFD Manage Articles

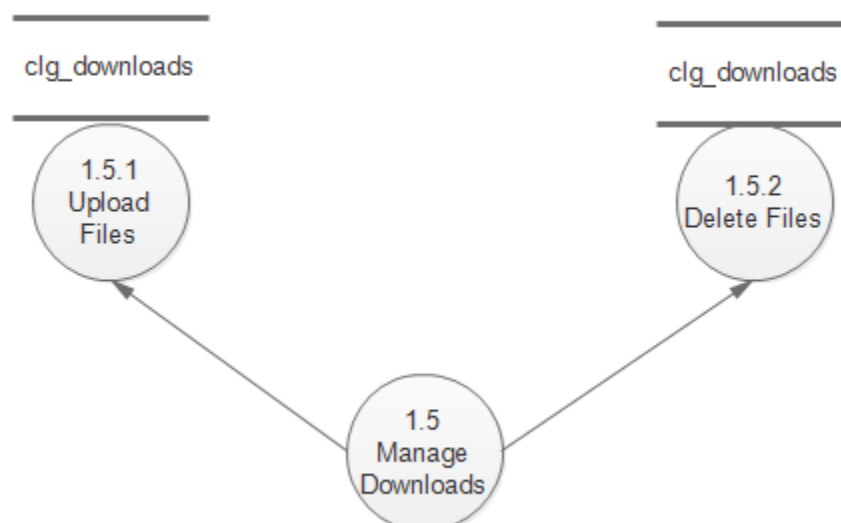




- 2<sup>nd</sup> Level DFD Manage Gallery Images

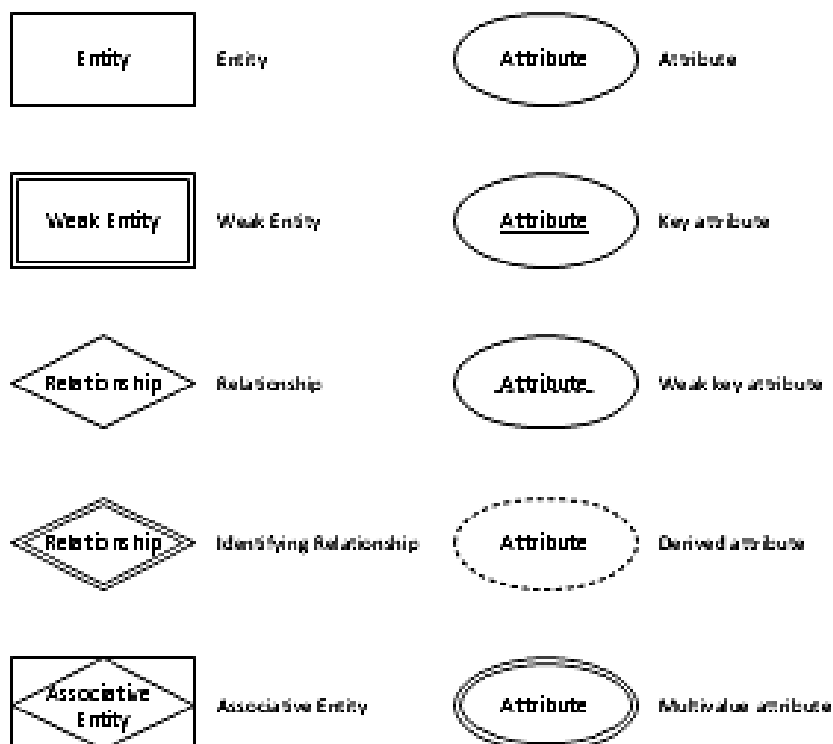


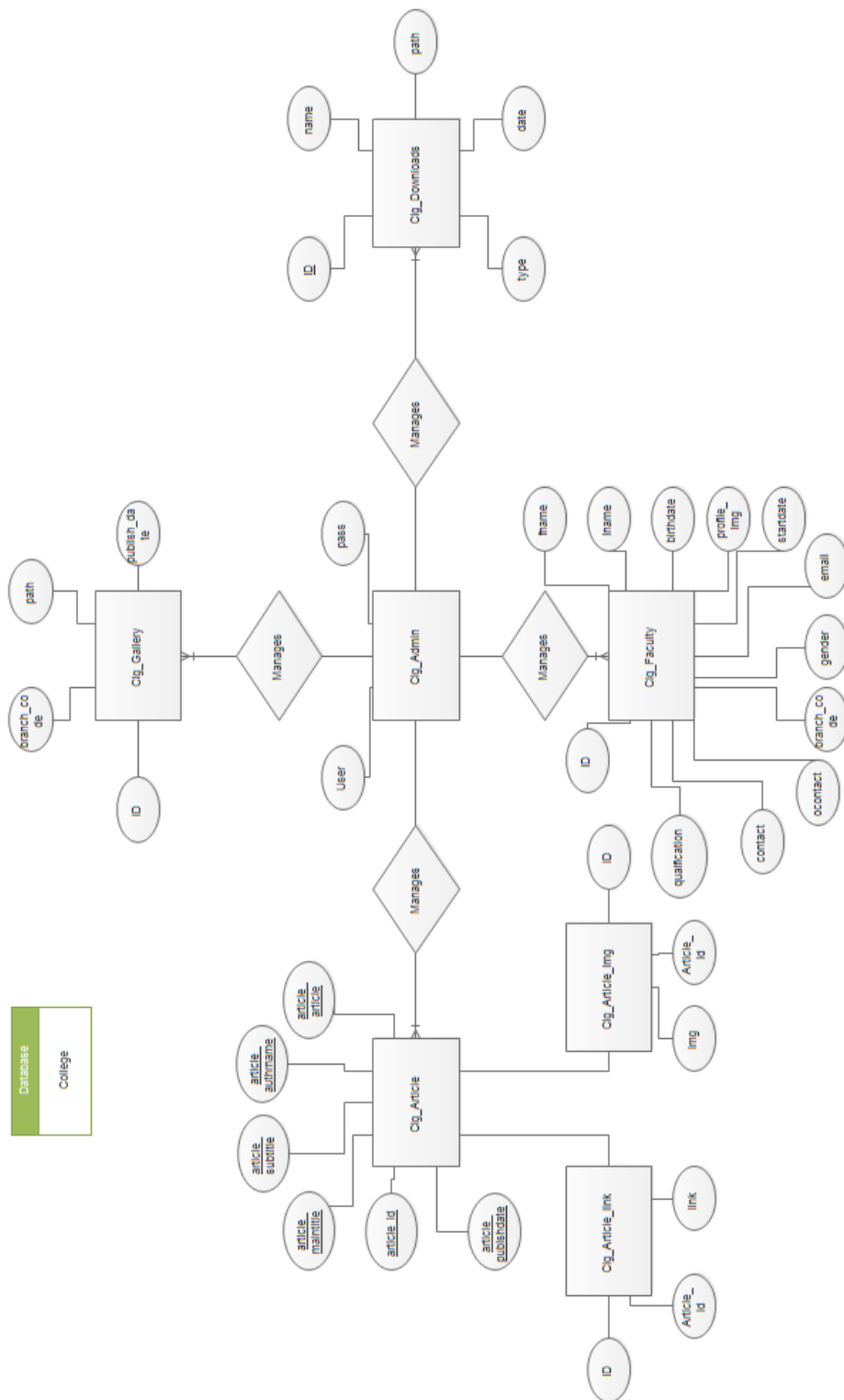
- 2<sup>nd</sup> Level DFD Manage Downloads



## 4.2 E-R Diagram

- E-R Diagram is a graphical tool to represent the model, and logical structure of database (Entity and Relationship exist among entity set)
- Components of ER Diagram: -
  - Entity
  - Attributes
  - Relationship
  - Key attributes
- There are two types of Entity: -
  1. Strong Entity
  2. Weak Entity
- Symbols:





### 4.3 Data Dictionary

#### ➤ Table 4.5.1 clg\_Admin: -

Column Name	Data Type	Size	Constraint
User	Varchar	25.	
Pass	Varchar	25	

#### ➤ Table 4.5.2 clg\_Gallery: -

Column Name	Data Type	Size	Constraint
ID	Int	11	Primary key
Branch_code	Int	10	
Path	Varchar	100	
Publish_date	Date		

#### ➤ Table 4.5.2 clg\_Article: -

Column Name	Data Type	Size	Constraint
ID	Int	11	Primary key
Maintitle	Varchar	100	
Subtitle	Varchar	100	
Article	Varchar	2000	
Publishdate	Date		
authorname	Varchar	100	

#### ➤ Table 4.5.3 clg\_article\_link: -

Column Name	Data Type	Size	Constraint
ID	Int	10	Primary Key
Article_id	Int	10	Foreign key
link	Varchar	1000	

#### ➤ Table 4.5.3 Clg\_article\_img: -

Column Name	Data Type	Size	Constraint
ID	Int	10	Primary Key
Article_id	Int	10	Foreign key
Img	Varchar	1000	

➤ Table 4.5.4 clg\_faculty: -

Column Name	Data Type	Size	Constraint
ID	Int	Auto Inc.	Primary key
Fname	Varchar	50	
Mname	Varchar	50	
Lname	Varchar	50	
Gender	Boolean		
Profile_img	Varchar	2000	
Email	Varchar	100	
Branch_code	Int	2	
Post	Varchar	15	
Qualification	Varchar	50	
Contact	Int	10	
Ocontact	Int	10	
Birthdate	Date		
Startdate	date		

➤ Table 4.5.5 clg\_downloads: -

Column Name	Data Type	Size	Constraint
ID	Int	11	Primary key
name	Varchar	50	
Path	Varchar	1000	
type	Varchar	10	
Publish_date	Date		

# **Chapter-5**

## **Implementation**

### **And Testing**

### 5.1 Black Box Testing

- The Functionality of the application was tested with the requirement specification.
- This was done to ensure that the functionality expected was captured as per the requirement specified.
- Also known as functional testing.
- We do not ever examine the programming code and does not need any further knowledge of the program other than its specifications.
- The internal functionality of the item being tested is not known by the tester.

### 5.2 White Box Testing

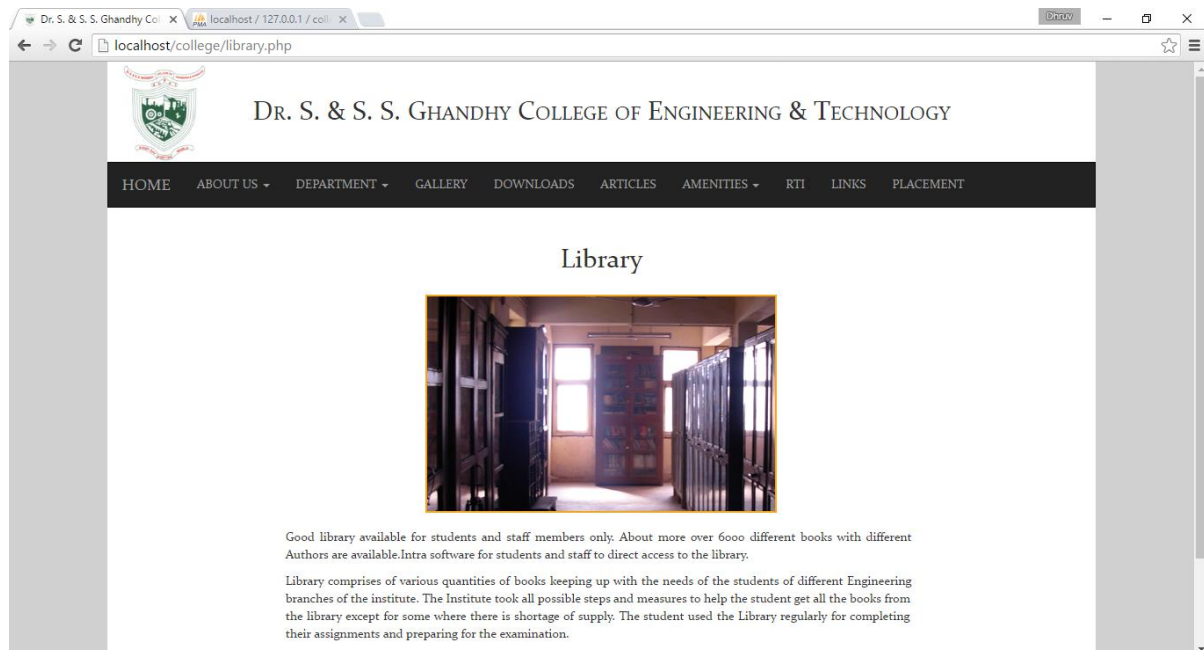
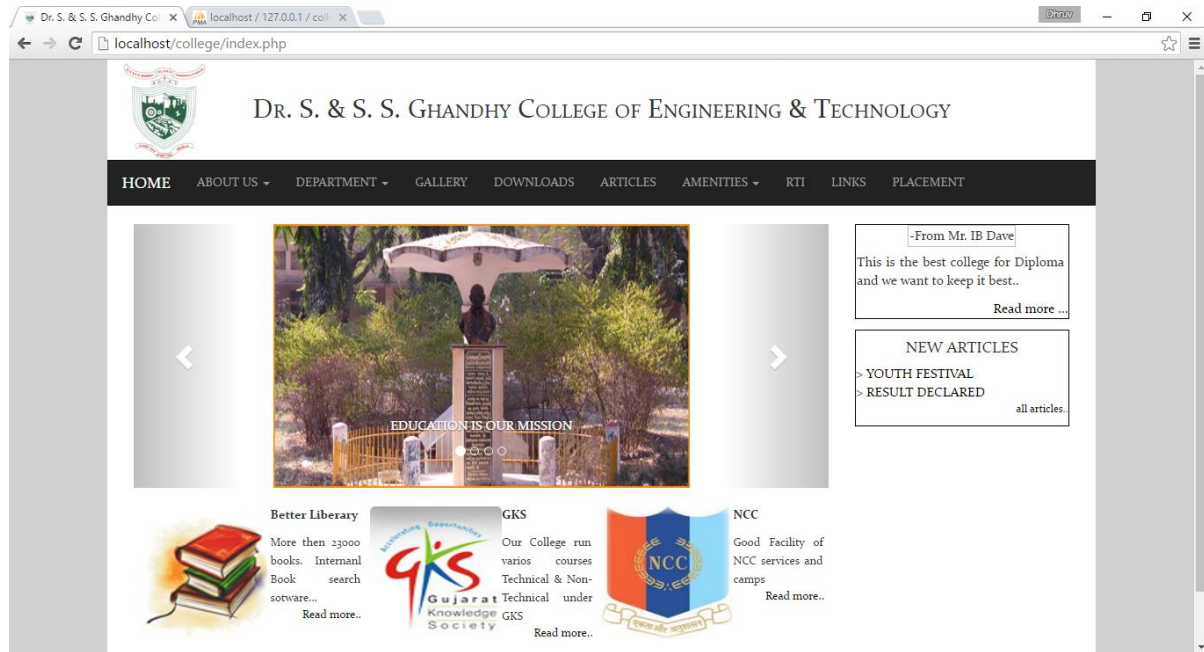
- This is basically done to ensure that the logic applied is correct and to check where the code fails.
- This is done knowing the logical flow of functionality and implementation
- White box testing is used because
  - Logic errors and incorrect assumptions are most likely to be made when coding “special case”. Need to ensure that these execution paths are tested.
  - May find assumptions about execution paths to be incorrect and so make design errors. White Box can pick these errors out.

# **Chapter-6**

## **Graphical User Interface**



## 6.1 Application Interface: -



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## Hostel Facilities

### General

Boys Hostel :-

Type of Room	No. of Room	Total Seat	Actual Demand	Fees per Year
Block-A	50	100	100	As Per Rule
Block-B	25	100	100	As Per Rule
Block-C	10	30	30	As Per Rule

Girls Hostel :-

Type of Room	No. of Room	Total Seat	Actual Demand	Fees per Year
Block-A	16	48	-	As Per Rule

Article

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## All Articles

**RESULT DECLARED**

Results of 1st Sem has been Declared today...

2016-04-22

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**YOUTH FESTIVAL**

Youth Festival has been organised of GTU. From 25-2 to 29-2. Students who want to join can register their name in admin dept...

2016-01-20

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Article localhost / 127.0.0.1 / coll X localhost/college/article\_detail.php?article\_id=1

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## Result Declared

Result Declared

**Gujarat Technological University Ahmedabad**

Session: Winter 2015  
Exam: DIPLOMA SEM-1: Regular (DEC 2015)  
Enroll No.: \_\_\_\_\_  
Seat No.: \_\_\_\_\_ (H.G. - 12345)  
Code: **GTU** **N9** **2015** **12345** **6789** **1011** **1213** **1415** **1617** **1819** **2021** **2223** **2425** **2627** **2829** **3031** **3233** **3435** **3637** **3839** **4041** **4243** **4445** **4647** **4849** **5051** **5253** **5455** **5657** **5859** **6061** **6263** **6465** **6667** **6869** **7071** **7273** **7475** **7677** **7879** **8081** **8283** **8485** **8687** **8889** **9091** **9293** **9495** **9697** **9899** **10000**

SEARCH RESULTS:

Name: \_\_\_\_\_  
Enrollment No.: \_\_\_\_\_  
Exam Seat No.: \_\_\_\_\_  
Exam Branch: \_\_\_\_\_  
Declared On: \_\_\_\_\_

Enter search criteria and hit "Search" button.

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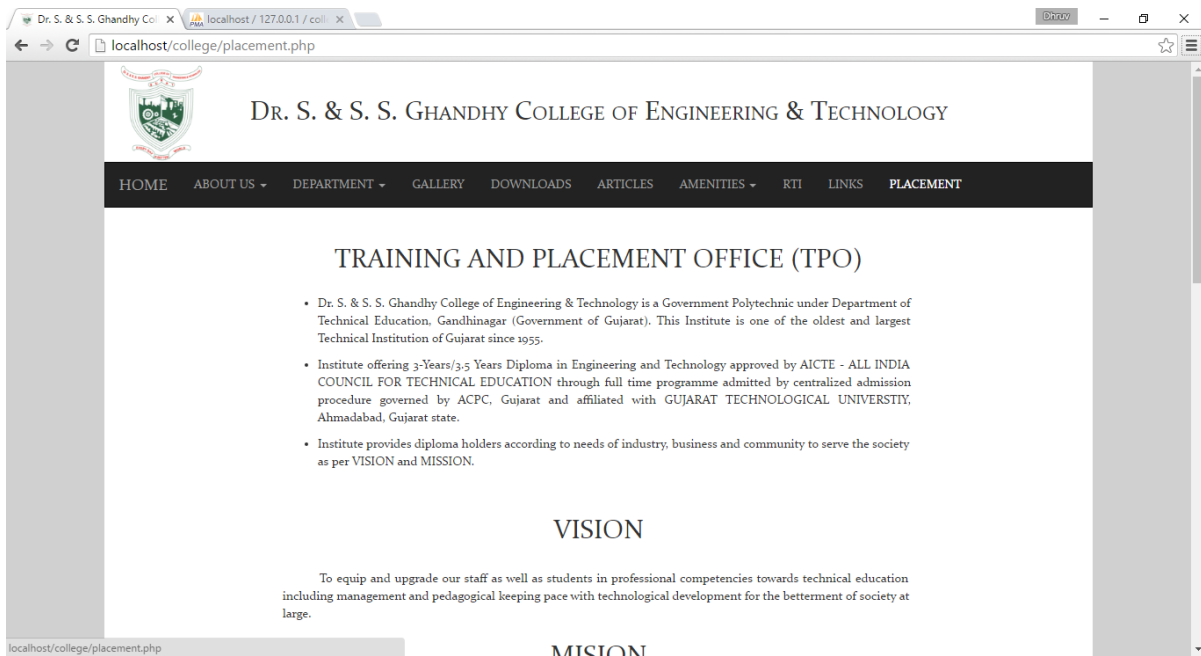
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Sr. No.	Name of Manual
i	The particulars of organization, functions and duties.
ii	The powers and duties of its officers and employees.
iii	The procedure followed in the decision-making process, including channels of supervision and accountability.
iv	The norms set by it for the discharge of its functions
v	The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions.
vi	A statement of the categories of documents that are held by it or under its control.
vii	The particulars of any arrangement that exists for consultation with, or representation by, the members of the



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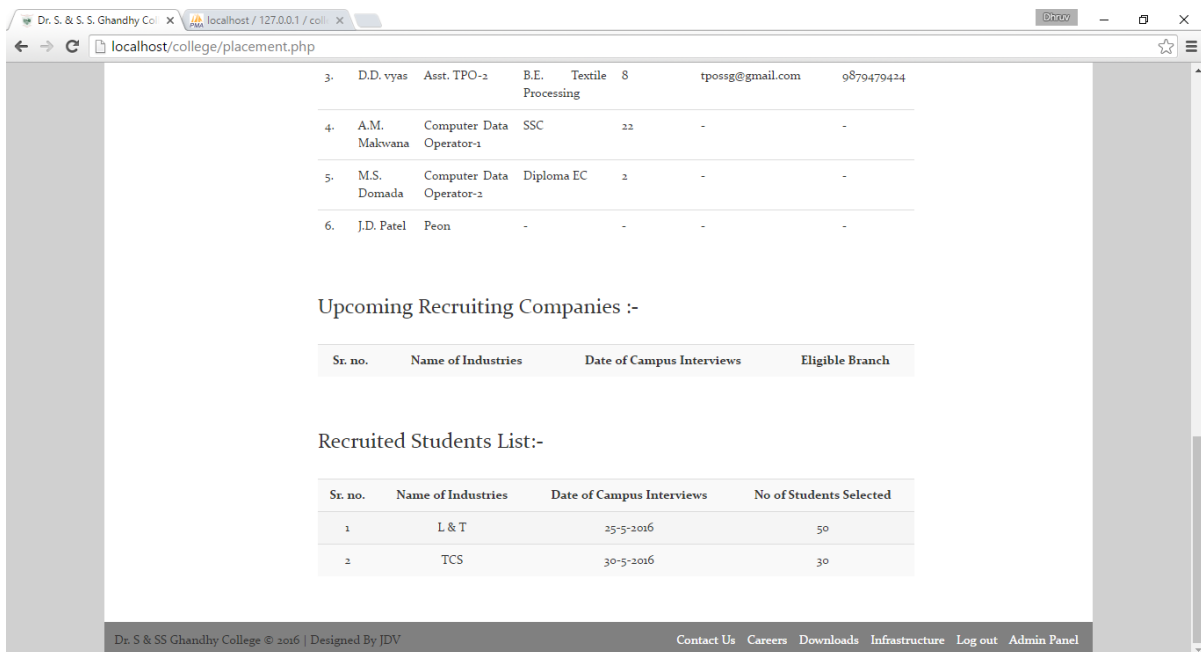
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To equip and upgrade our staff as well as students in professional competencies towards technical education including management and pedagogical keeping pace with technological development for the betterment of society at large.

### MISSION



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4.	A.M. Makwana	Computer Data Operator-1	SSC	22	-	-
5.	M.S. Domada	Computer Data Operator-2	Diploma EC	2	-	-
6.	J.D. Patel	Peon	-	-	-	-

### Upcoming Recruiting Companies :-

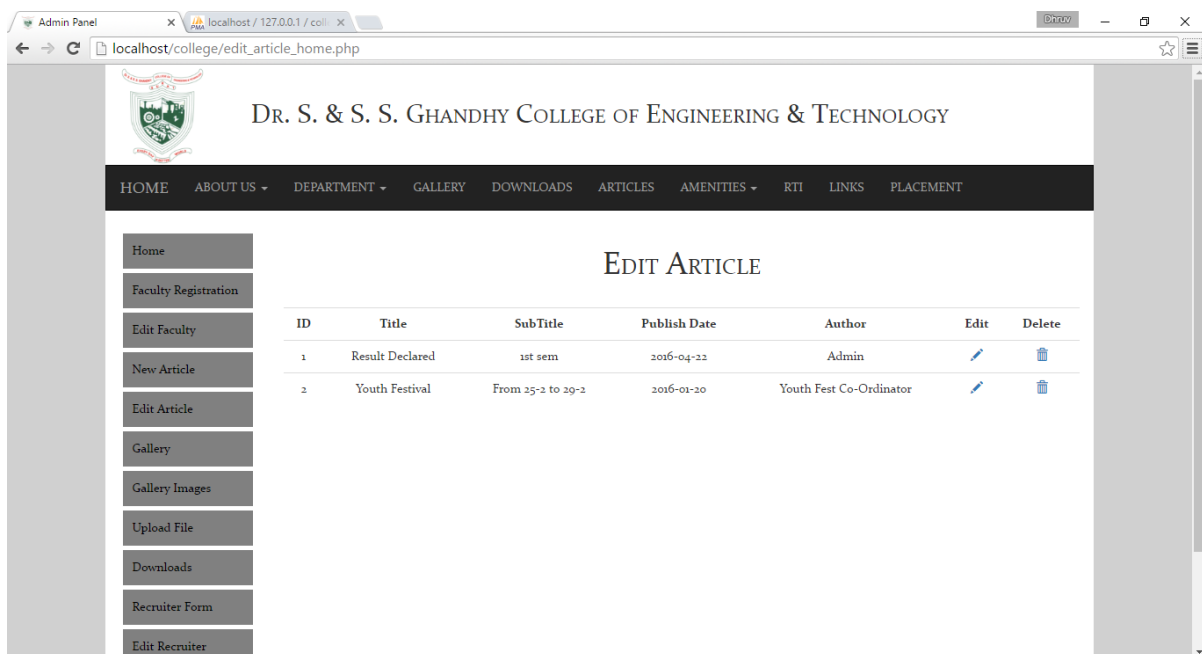
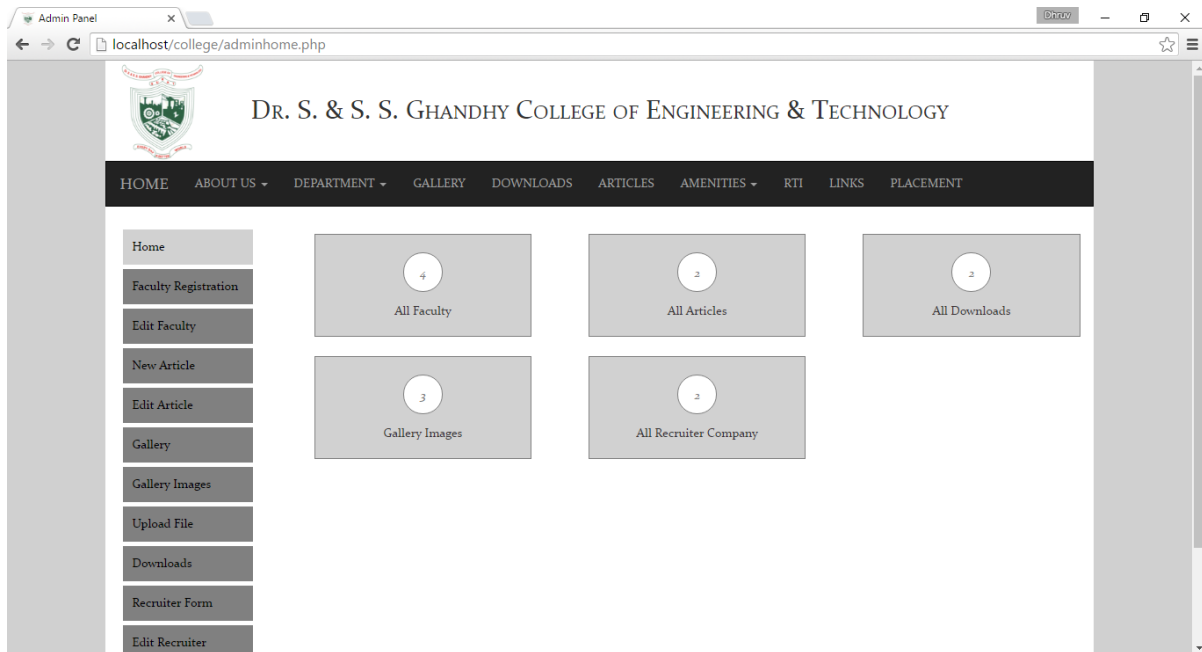
Sr. no.	Name of Industries	Date of Campus Interviews	Eligible Branch
1	L & T	25-5-2016	50
2	TCS	30-5-2016	30

### Recruited Students List:-

Sr. no.	Name of Industries	Date of Campus Interviews	No of Students Selected
1	L & T	25-5-2016	50
2	TCS	30-5-2016	30


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Recruiter Form

Edit Recruiter

ID	FNAME	LNAME	DESIGNATION	QUALI.	EMAIL	CONTACT	GENDER	JOINING DATE	UPDATE	DELETE
1	Dipal	Panchal	Lecturer	B.E.	dipalpanchal3@gmail.com	9935243289	Male	2014-11-19		
2	Mital	Bhadigar	Lecturer	B.E.	mitalbhadigar@yahoo.com	9909884263	Female	2014-11-19		
3	Chetan	Nakrani	Lecturer	B.E.	chetannakrani@yahoo.com	9374758561	Male	2015-09-10		
4	Hiren	Jaiswal	Lecturer	B.E.	hirenjaiswal@yahoo.com	9909009308	Male	2015-09-16		

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### DOWNLOADS







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2	Logo	SS GANDHI COLLEGE [137127].pdf	pdf	2016-06-25	

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2	29	image009.jpg	2015-04-25		
3	29	image007.jpg	2000-08-26		

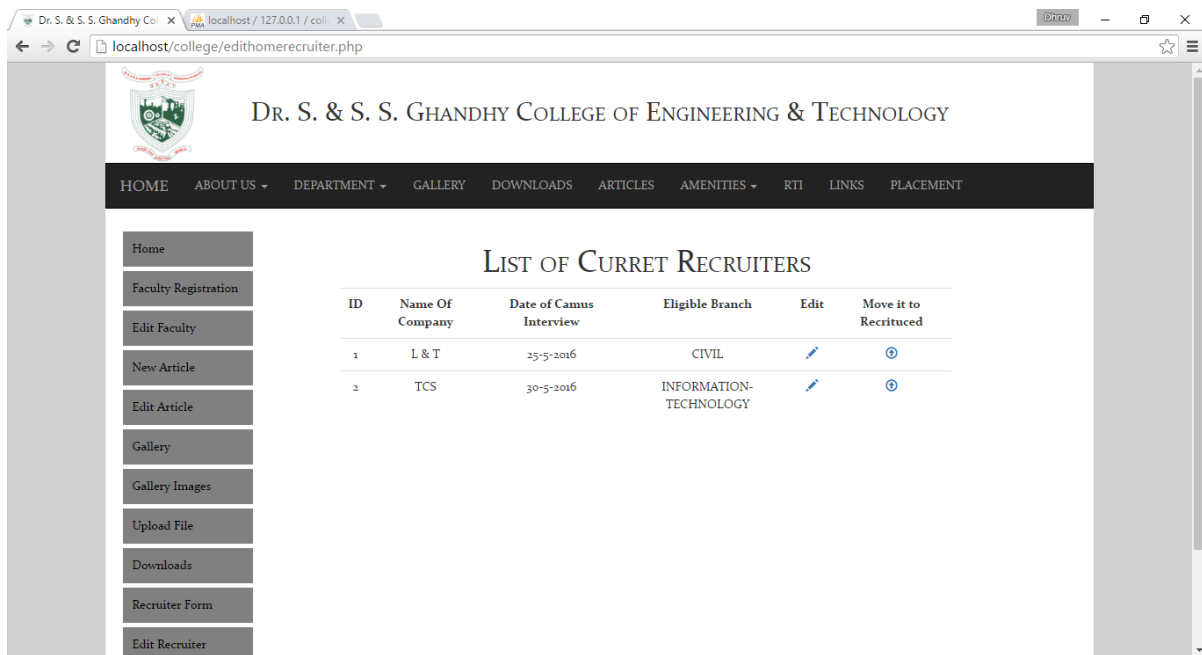
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### LIST OF STUDENT RECRUITED

ID	Name Of Company	Date of Camus Interview	No of Student	Edit	Delete
1	L & T	25-5-2016	50		
2	TCS	30-5-2016	30		







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Edit Recruiter

### LIST OF CURRET RECRUITERS

ID	Name Of Company	Date of Camus Interview	Eligible Branch	Edit	Move it to Recritruted
1	L & T	25-5-2016	CIVIL		
2	TCS	30-5-2016	INFORMATION-TECHNOLOGY		



# **Chapter -7**

## **Conclusion and Future Work**

### 7.1 Conclusion: -

- It is a Great Pleasure that the system is meeting most of its Requirements.
- Finally, we can conclude that this project is satisfying all its requirements of the user of website and it is satisfying all its objectives which were set at the time of development of website.

### 7.2 Advantages: -

- As it is upgraded to dynamic site, it will provide timely and up to date information and thus encourages readers to return to website.
- Single stop for all types of accurate and authentic college information which can serve as interactive medium for students.
- Having a dynamic college website allows to break through the geographical barriers and become accessible, virtually, from any country in world.
- Easy accessibility of information.
- Personal and career centric information from a broad spectrum of diploma professionals.
- Compatible with various screen size. (Responsive)

### 7.3 Limitation: -

- Results are not displayed.
- No compatible in Internet Explorer
- Student Login not supported
- E-mail services not provided.

#### 7.4 Future Scope: -

- Results can be displayed.
- Students can be given login access and can interact with each other.
- Email services for students and faculties can be provided.

# Chapter - 8

## Bibliography

### 8.1 Books: -

- PHP with MY SQL
- PHP 5
- Dynamic Web Programming using PHP

### 8.2 Websites: -

- [www.w3schools.com](http://www.w3schools.com)
- [www.tutorialspoint.com](http://www.tutorialspoint.com)
- [www.getbootstrap.com](http://www.getbootstrap.com)