

# **DYNAMIC TRAFFIC CONTROL AND MANAGEMENT SYSTEM**

## **PROJECT REPORT**

**Submitted in partial fulfillment of the requirements  
for the degree of**

**Bachelor of Technology**

**in**

**Computer Science & Engineering**

**Submitted by**

**Rohit Roushan (1605147)**

**Rahul Pandey (1605142)**

**Under the Guidance of**

**Prof. Anil Kumar Swain**



**School of Computer Engineering  
Kalinga Institute of Industrial Technology  
Deemed to be University, Bhubaneswar**

**17 APR 2020**

**A PROJECT REPORT**  
**ON**  
**DYNAMIC TRAFFIC CONTROL AND**  
**MANAGEMENT SYSTEM**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**  
**Bachelor of Technology**  
**In**  
**Computer Science & Engineering**

*Submitted by*

*Rohit Roushan*  
*1605147*

*Rahul Pandey*  
*1605142*

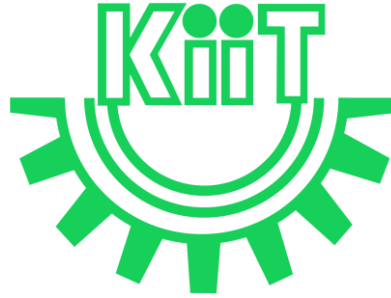
**Under the Guidance of**  
*Prof. Anil Kumar Swain*



**School of Computer Engineering**  
**Kalinga Institute of Industrial Technology**  
**Deemed to be University, Bhubaneswar**  
**17 APRIL 2020**

# School of Computer Engineering

Kalinga Institute of Industrial Technology  
Deemed to be University, Bhubaneswar



## CERTIFICATE

*This is to certify that the project report entitled “Dynamic Traffic Control and Management System” has been carried out by Rohit Roushan (1605147), Rahul Pandey (1605142) in partial fulfillment of the award of degree of Bachelor of Technology in Computer Science & Engineering from School of Computer Engineering, Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar during the academic year 2017-2018 under my supervision.*

---

Prof. Anil Kumar Swain  
Computer Sc. & Engineering

---

Examiner 1

---

Examiner 2

Date: 17 APR, 2020

Place: KIIT Bhubaneswar

## **DECLARATION**

We, Rahul Pandey (1605142), Rohit Roushan (1605147), hereby declare that the matter embodied in this project report is original and has not been submitted for the award of any other degree to any other university.

---

**Rohit Roushan (1605147)**

---

**Rahul Pandey (1605142)**

## **ACKNOWLEDGEMENTS**

We would like to thank Prof. Anil Kumar Swain, School of Computer Engineering, KIIT University, Bhubaneswar for his continued drive for better quality in everything that allowed us to carry out this project work.

We would also like to take the opportunity to thank the director, School of Computer Engineering, KIIT University, Bhubaneswar for providing us with the resources and the help and co-operation in this project work.

Lastly, we would like to express our gratitude to our Parents and all the Professors, Lecturers, and friends for their co-operation, constructive criticism and valuable suggestions during the preparation and successful completion of this project report.

**Rohit Roushan (1605147)**

**Rahul Pandey (1605142)**

# ABSTRACT

Automated traffic control systems have been now-a days used as an alternative to the existing traditional traffic systems. In order to generalize data and automatize human behavior, image processing combined with machine learning (ml) has been largely used in various research field.

The paper focuses on the model that sends sms /mail to the person breaking the traffic light rules. This system further adapts the traffic signal timer according to the random traffic density using image processing (OpenCV) and machine learning algorithms. To validate the model prototype, video data sets are used to test the model based on background subtraction filter (BackgroundSubtractorMOG2) and Convolutional neural network. Results show 100% precision rate and recall of 65%.

## KEYWORDS:

- ✓ Automated traffic light detection
- ✓ Computer vision
- ✓ Image processing
- ✓ Machine learning
- ✓ Convolutional Neural Network

# Contents

Declaration.....	ii
Acknowledgments.....	iii
Abstract .....	iv
List of figures .....	vii
<b>1 Introduction .....</b>	<b>1</b>
1.1 About Project.....	1
1.2 Background of the project .....	1
1.3 Modules.....	2
1.4 Definitions, Acronyms and Abbreviations.....	2
<b>2 Literature Survey .....</b>	<b>3</b>
<b>3 Software Requirement Analysis.....</b>	<b>4</b>
3.1 Software Requirement .....	4
3.2 Hardware Requirement.....	4
3.3 Product Perspective .....	5
3.4 Product Feature .....	5
3.5 Assumptions .....	6
<b>4 Requirement Analysis .....</b>	<b>7</b>
4.1 Functional Requirements .....	7
4.2 Non-Functional Requirements .....	10
<b>5 Technological Stack.....</b>	<b>11</b>
5.1 Python .....	11
5.2 OpenCV.....	12
5.3 Yolo .....	13
5.4 Convolutional Neural Network (CNN).....	14

5.5	MySQL .....	15
5.6	WAY2SMS .....	16
5.7	Docker .....	17
<b>6</b>	<b>System Design.....</b>	<b>18</b>
6.1	Control Flow Graph .....	18
6.2	Sequence Diagram.....	19
<b>7</b>	<b>System Testing .....</b>	<b>20</b>
<b>8</b>	<b>Project Planning.....</b>	<b>21</b>
<b>9</b>	<b>Implementation .....</b>	<b>22</b>
<b>10</b>	<b>Screenshots .....</b>	<b>24</b>
10.1	Screenshots of project implementation .....	24
10.2	Screenshots of project codes .....	29
<b>11</b>	<b>Conclusion .....</b>	<b>43</b>
<b>12</b>	<b>Future Scope .....</b>	<b>44</b>
<b>13</b>	<b>References .....</b>	<b>45</b>
<b>14</b>	<b>Appendix .....</b>	<b>46</b>



# List of Figures

6.1	State Chart Graph .....	18
6.2	Sequence Diagram.....	19
10.1	Screenshots of project implementation	24
10.1.1	Implementation of Sig.py	24
10.1.2	Implementation of Yolo.py	25
10.1.3	Implementation of Capture.py	26
10.1.4	Implementation of Plate_segment.py	27
10.1.5	Implementation of Licence_no.py	28
10.2	Screenshots of project codes	29
10.2.1	Project codes of Sig.py	29
10.2.2	Project codes of Yolo.py	30
10.2.3	Project codes of Counter.py	32
10.2.4	Project codes of Motion.py	33
10.2.5	Project codes of Capture_car.py	35
10.2.6	Project codes of Plate_segment.py	37
10.2.7	Project codes of Licence_no.py	39
10.2.8	Project codes of Mail.py	40

# Chapter 1.

## INTRODUCTION

### 1.1 About Project

Internpreneur – An Online Job portal for the Students and Entrepreneurs is a web application built in PHP and MySQL. It provides fresher students having no prior Work Experience, ability to register to this application and search for internships, manage their projects and accounts. Each candidate will have an account with their own home page.

On the other hand, Entrepreneurs those are willing to publish the Internships for their company to students, can register to the portal and get their own account created and can post Internships to portal's database. Registered Entrepreneurs can add or remove internships and these internships can be seen by various students and they can contact the concern person for the job.

Main aim of this web application is to make a user friendly platform where, students can search internships easily and is accessible to everyone who are interested.

## **1.2 Purpose**

The Purpose of the application is to provide Internships to College Students who do not have prior work experience, to submit their Resumes and apply for Internships, where Entrepreneurs can select best Candidates from available candidate profile.

## **1.3 Modules**

The main users in the project can be categorized into three modules as follow:

1. Admin
2. Entrepreneurs
3. Students

## **1.4 Definitions, Acronyms and Abbreviations**

1. Admin – The authorized user who controls all the network.
2. Entrepreneurs – The user who has a company / business and creates vacancies and provides Internships.
3. Students – The user who applies for Internships.

# Chapter – 2

## REQUIREMENT ANALYSIS

### 2.1 Functional Requirements

In this section we will briefly discuss different functional requirements of different users.

#### 2.1.1 Admin

1. Manage Students and Entrepreneurs profiles.
2. Add new Services, Related to Students or Entrepreneurs.
3. Provide Roles and Authentication to Users.
4. Ability to change the look and feel of the site by changing template.
5. Most Recent Internship positions to be displayed in homepage.
6. Search Internship Offers based on keywords, categories, locations etc.
7. Location management console to add/edit/remove locations for which offers can be posted.
8. Admin can Add/Edit/Delete/Approve/Disapprove any offer.
9. Search Students and Entrepreneurs on the basis of Keyword, name, Email-address, Country, etc.
10. Setup multiple admin with file access privileges

### **2.1.2 Entrepreneur**

1. Ability to Search resume by keywords, category, days since posted.
2. Post Offers with detailed description (Title, Company name, Company URL, Location, Stipend, Work type, Description, Required skills...)
3. Ability to create and edit a company profile.
4. Ability to add a Company Logo.
5. Retrieve passwords reset by automated email.
6. Entrepreneur Registration
7. Information on number of vacancy viewings and applications
8. Option of including company profile and logo.
9. Update profile at any time.
10. View Submitted Student Resume.
11. Download Resume or application submitted by student.

### **2.1.3 Students**

1. Apply for an Internship at the click of a button.
2. Resume Posting.
3. Student Registration.
4. Login and update profile, including forgotten password reminders.
5. View Application History from profile.
6. Powerful online job search tool.
7. Search offers by location, qualification, categories, company, location, experience and keywords.
8. Add multiple list of qualification and experience.
9. Ability to add and submit Photos to profile.
10. Ability to add Cover Letter when apply for job.

## **2.2 Non-Functional Requirements**

1. Secure access of confidential data (user's details). SSL can be used.
2. 24 X 7 availability.
3. Better component design to get better performance at peak time.
4. Flexible service based architecture will be highly desirable for future extension

## **2.3 Hardware Requirements**

- Processor : Intel Pentium And Above Version.
- Speed : 1.60 GHz
- Hard Disk : 10GB And Above
- Key Board : Standard

## **2.4 Software Requirements**

- Operating System : Windows 7 or above.
- Data Base : MYSQL, PHPMYADMIN
- Tools : HTML, CSS, PHP, JQUERY
- Server : WAMP, LAMP, XAMP or any Linux Hosting Server

# Chapter 3

## TECHNOLOGIES STACK

The server side language used in designing this project is PHP (Hypertext Preprocessor). Along with MySQL to develop the databases. HTML, jQuery and CSS were mainly used for the User Interface.

### 3.1 PHP (HYPERTEXT PREPROCESSOR)

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. PHP stands for Hypertext Preprocessor.

Its flexibility and relatively small learning curve (especially for programmers who have a background in C, Java, or Perl) make it one of the most popular scripting languages around.

PHP code may be embedded into HTML code, or it can be used in combination with various Web template systems and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in the web server or as a Common Gateway Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP code may also be executed with a command-line interface (CLI) and can be used to implement standalone graphical applications.

PHP's popularity continues to increase as businesses, and individuals everywhere embrace it as an alternative to Microsoft's ASP language and realize that PHP's benefits most certainly outweigh the costs. According to Netcraft, PHP code can now be found in approximately 16 million Web sites.

The standard PHP interpreter, powered by the Zend Engine, is free software released under the PHP License. PHP has been widely ported and can be deployed on most web servers on almost every operating system and platform, free of charge.



## 3.2 MYSQL

MySQL is the database construct that enables PHP and Web Server to work together to access and display data in a readable format to a browser. It is a Structured Query Language server designed for heavy loads and processing of complex queries. As a relational database system, MySQL allows many different tables to be joined together for maximum efficiency and speed.

The popular features of this program are as follows:

- Multi-platform operation
- Numerous column types cover virtually every type of data
- Group functions for mathematical calculations and sorting
- Commands that allow information about the databases to be easily and succinctly shown to the administrator
- Function names that do not affect table or column names
- A password and user verification system for added security
- Up to 32 indexes per table permitted; this feature has been successfully implemented at levels of 60,000 tables and 5,000,000,000 rows.

MySQL is the perfect choice for providing data via the Internet because of its ability to handle heavy loads and its advanced security measures.

### 3.3 HTML

Hyper Text Markup Language (HTML) is the main mark-up 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, known as empty elements, 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, 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 behaviour of HTML web pages. Web browsers can also refer to Cascading Style Sheets (CSS) to define the appearance and layout of text and other material.

```
1 <!-- Bar -->
2 <div id="bar"> </div>
3 <!-- /Bar -->
4 <!-- Header -->
5 <div id="header"> </div>
6 <!-- /Header -->
7 <!-- Search -->
8 <div id="search"> </div>
9 <!-- /Search -->
10 <!-- Content -->
11 <div id="content">
12   <div class="inner">
13     <!-- Content Inner -->
14     <div class="content-inner">
15       <!-- Content Center -->
16       <div class="content-center frontpage"> </div>
17       <!-- /Content Center -->
18
19       <!-- Content Right -->
20       <div class="content-right"> </div>
21       <!-- /Content Right -->
22     </div>
23     <!-- /Content Inner -->
24   </div>
25 </div>
26 <!-- /Content -->
27
28 <!-- Footer -->
29 <div id="footer"> </div>
30 <!-- /Footer -->
31
32 <!-- Copyright -->
33 <div id="copyright"> </div>
34 <!-- /Copyright -->
35
```

## 3.4 CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation semantics (the look and formatting) of a document written in a mark-up language. It's most common application is to style web pages written in HTML and XHTML, but the language can also be applied to any kind of XML document, including plain XML, SVG and XUL.

CSS is designed primarily to enable the separation of document content (written in HTML or a similar mark-up language) from document presentation, including elements such as the layout, colours, 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). 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.

## 3.5 JQUERY

jQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML. jQuery is the most popular JavaScript library in use today, with installation on 65% of the top 10 million highest-trafficked sites on the Web. It is free, open-source software licensed under the MIT License.

jQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications. jQuery also provides capabilities for developers to create plug-ins on top of the JavaScript library. This enables developers to create abstractions for low-level interaction and animation, advanced effects and high-level, theme-able widgets. The modular approach to the jQuery library allows the creation of powerful dynamic web pages and web applications.

The set of jQuery core features—DOM element selections, traversal and manipulation—enabled by its selector engine, created a new "programming style", fusing algorithms and DOM data structures. This style influenced the architecture of other JavaScript frameworks like YUI v3 and Dojo, later stimulating the creation of the standard Selectors API.

## **3.6 WAMP SERVER**

WAMP SERVER is a Windows Web development environment for Apache, MySQL databases and PHP.

WAMP is an archetypal model of web service solution stacks, named as an acronym of the names of its original four open-source components: the Windows operating system, the Apache HTTP Server, the MySQL relational database management system (RDBMS), and the PHP programming language. The WAMP components are largely interchangeable and not limited to the original selection. As a solution stack, WAMP is suitable for building dynamic web sites and web applications.

Since its creation, the WAMP model has been adapted to other componentry, though typically consisting of free and open-source software.

## 3.7 MD5 ENCRYPTION

The MD5 message-digest algorithm is a widely used cryptographic hash function producing a 128-bit (16-byte) hash value, typically expressed in text format as a 32 digit hexadecimal number. MD5 has been utilized in a wide variety of cryptographic applications, and is also commonly used to verify data integrity.

### **Description :**

```
string md5 ( string $str [, bool $raw_output = false ] )
```

### **Parameters :**

#### **str**

The string.

#### **raw\_output**

If the optional raw\_output is set to TRUE, then the md5 digest is instead returned in raw binary format with a length of 16.

### **Return Values :**

Returns the hash as a 32-character hexadecimal number.

# Chapter 4

## SYSTEM DESIGN

Systems design is the process or art of defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements. Object-oriented analysis and design (OOAD) methods are becoming the most widely used methods for computer system design. The UML has become the standard language used in Object-oriented analysis and design. It is widely used for modeling software systems and is increasingly used for high designing non-software systems and organizations.



## 4.1 Use Case Diagram

- The use case concept was introduced by Ivar Jacobson in the object oriented software engineering (OOSE) method.
- A use-case diagram is a graph of actors, a set of use cases enclosed by a system boundary, communication (participation) associations between the actors and the use cases, and generalization among the cases.
- Use case diagrams show how users interact with the system.
- Use case diagrams describe what a system does from the standpoint of an external observer. The emphasis is on what a system does rather than how.
- Used during requirements elicitation to represent external behaviour.
- Actors represent roles, that is, a type of user of the system.
- Use cases represent a sequence of interaction for a type of functionality.
- The use case model is the set of all use cases. It is a complete description of the functionality of the system and its environment.

### Actors

- An actor models an external entity which communicates with the system
- User
- External system
- Physical environment
- An actor has a unique name and an optional description.
- Examples:
  - Passenger: A person in the train
  - GPS satellite: Provides the system with GPS coordinates

## **Use Cases**

- A use case represents a class of functionality provided by the as an event flow.

### **A use case consists of :**

#### **Actors:**

1. Admin
2. Student
3. Entrepreneur

#### **Admin Use Cases**

1. Add / View Internships
2. Add Location
3. Delete Student / Entrepreneur
4. View Student / Entrepreneur Profile
5. Approve Internship / Company

#### **Student Use Cases**

1. Create Profile
2. Upload Resume
3. Apply For Internship
4. Job Alert
5. Latest Internship Offers
6. Search Internship Offers

## Entrepreneur Use cases

1. Add Company
2. Post A Job / Internship Offer
3. Add Department
4. View Companies
5. Search Student
6. Check Applied Resumes

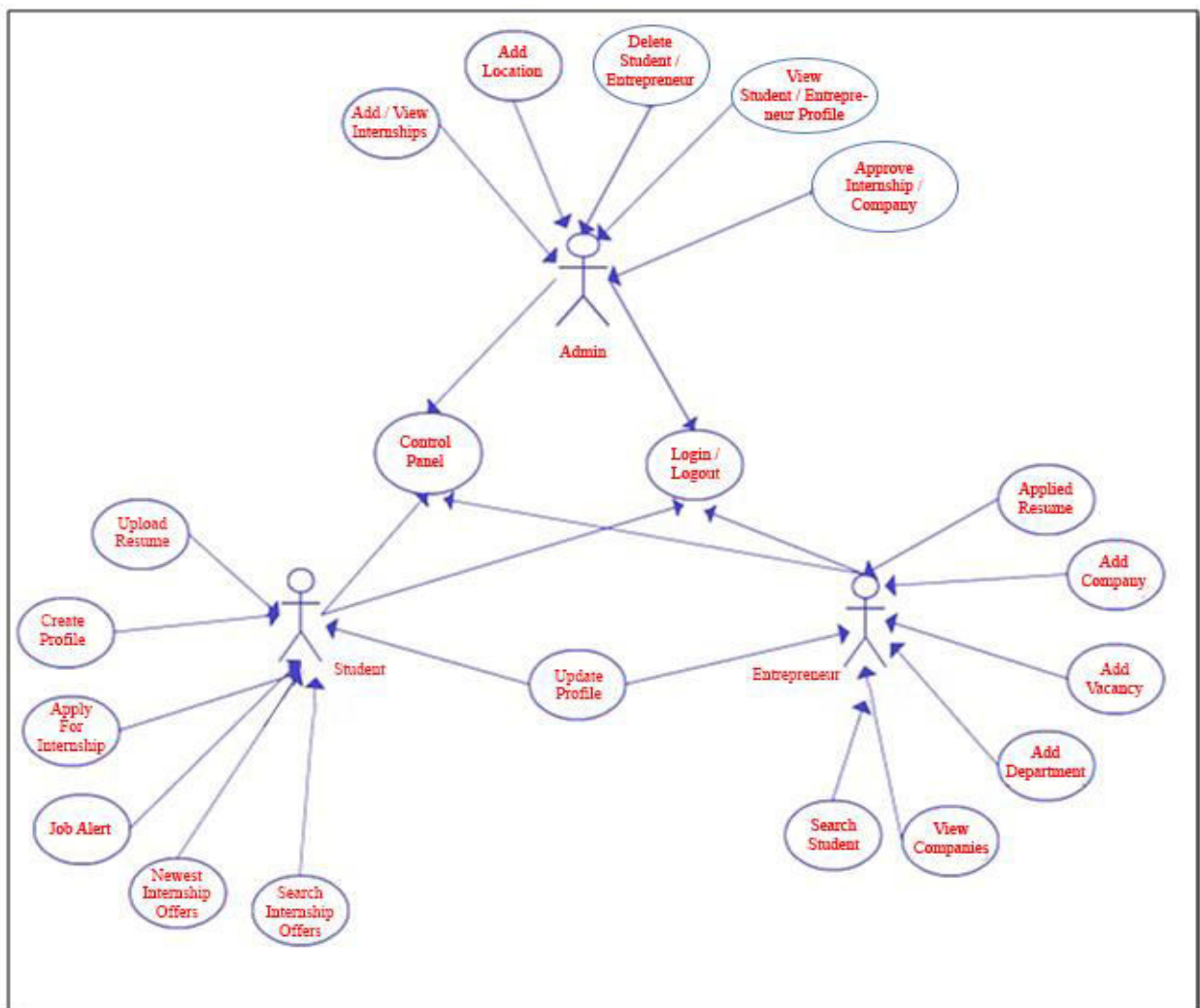


Figure 4.1

## 4.2 Sequence Diagram

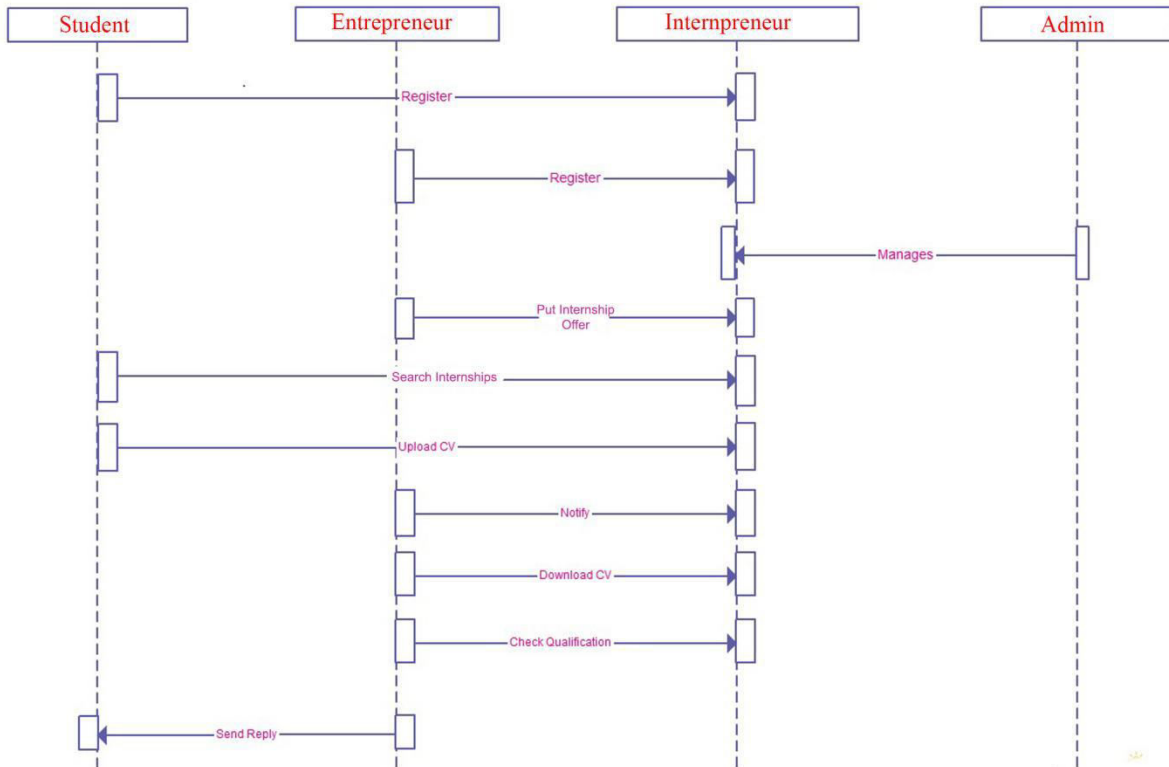


Figure 4.2

## 4.3 Data Flow Diagram

### 4.3.1 Level 0

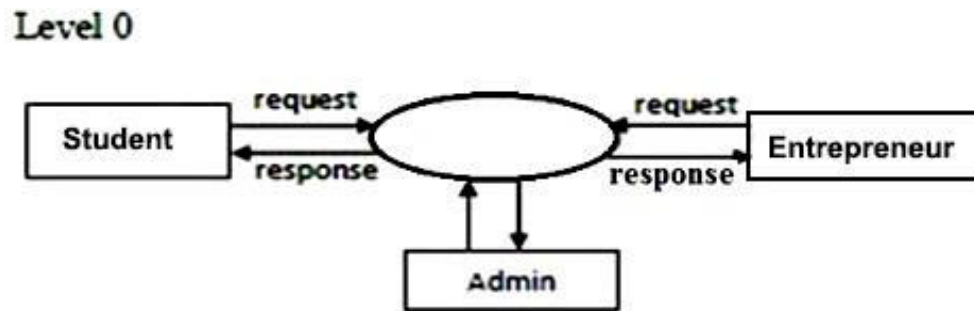


Figure 4.3.1

### 4.3.2 Level 1

#### Level 1

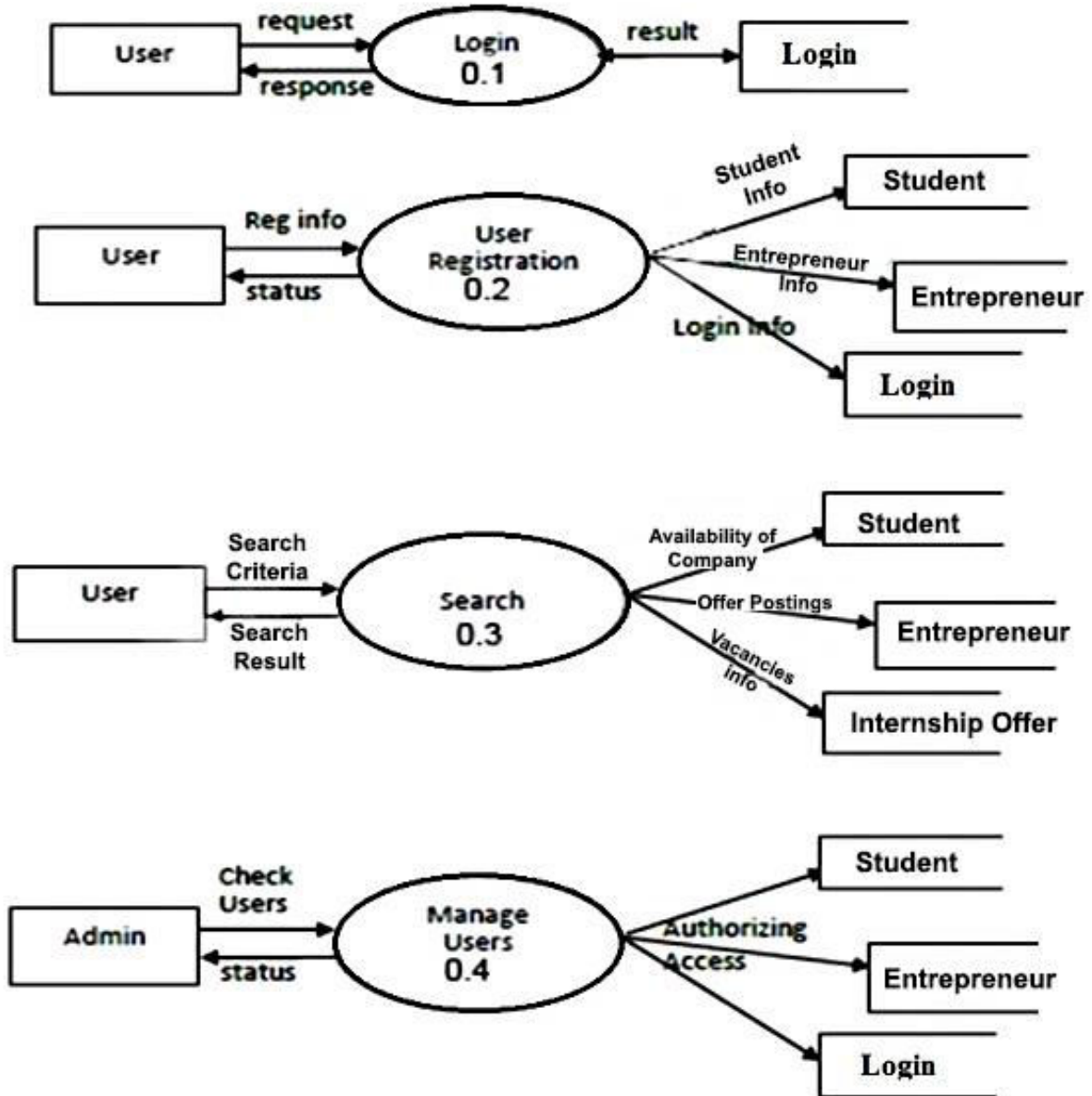


Figure 4.3.2

### 4.3.3 Level 2

#### Level 2

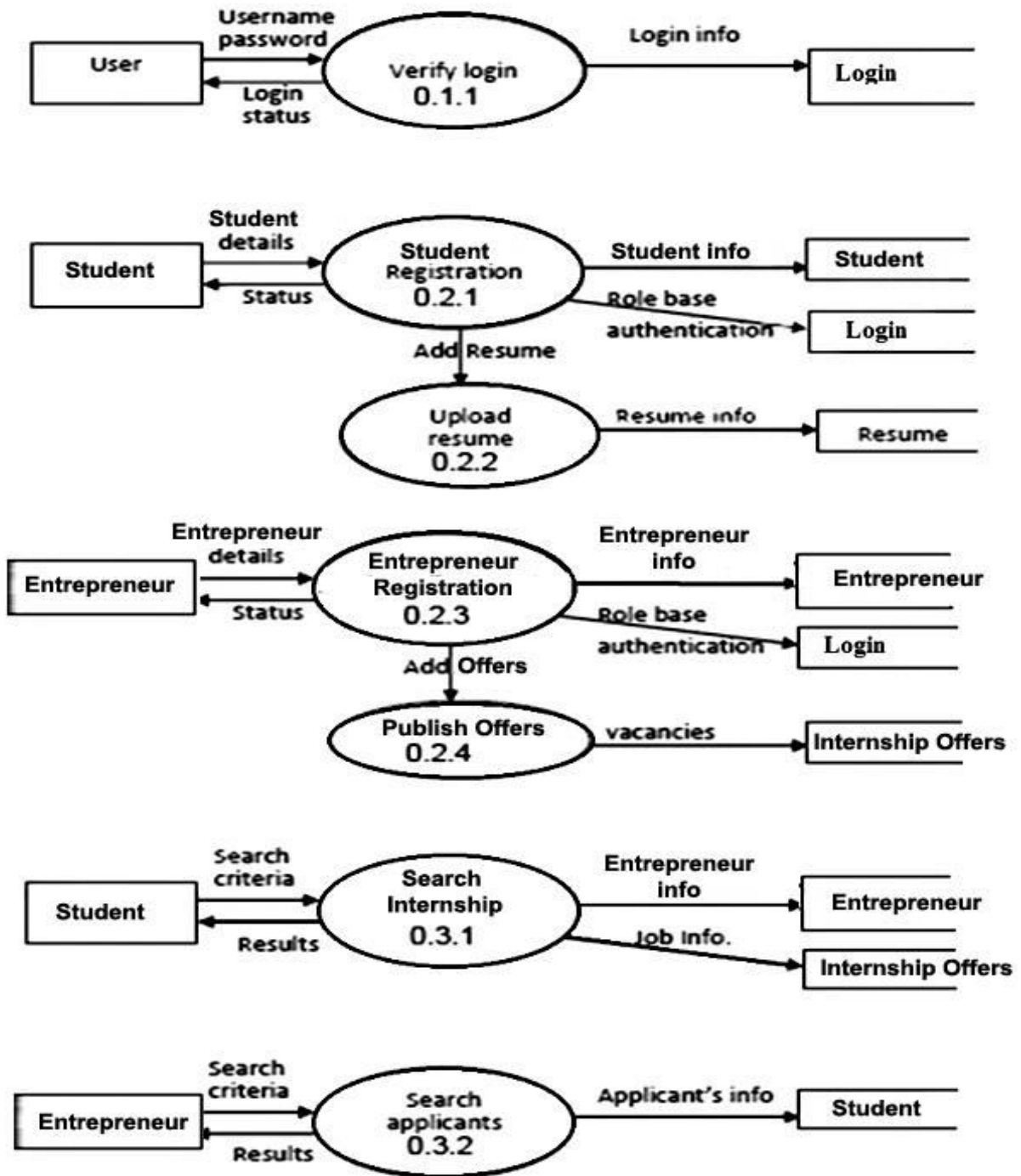


Figure 4.3.3

# Chapter 5

## DATABASE

### 5.1 Database Tables

#### 5.1.1 in\_admin

Column	Type	Null	Default
<b>admin_id</b>	bigint(20)	No	
<b>sb_admin_name</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_pwd</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_email</b>	varchar(255)	No	

#### 5.1.2 in\_applications

Column	Type	Null	Default
<b>app_id</b>	bigint(20)	No	
<b>job_id</b>	bigint(20)	No	0
<b>resume_id</b>	bigint(20)	No	0
<b>cover_id</b>	bigint(20)	No	0
<b>sb_cand_id</b>	bigint(20)	No	0
<b>sbtemp</b>	timestamp	No	CURRENT_TIMESTAMP
<b>sb_applied_on</b>	timestamp	No	0000-00-00 00:00:00



### 5.1.3 in\_candidate

Column	Type	Null	Default
<b>sb_cand_id</b>	int(100)	No	
<b>username</b>	varchar(255)	No	
<b>password</b>	varchar(255)	No	
<b>firstname</b>	varchar(255)	No	
<b>lastname</b>	varchar(255)	No	
<b>email</b>	varchar(255)	No	
<b>dob</b>	date	No	
<b>address</b>	varchar(255)	No	
<b>city</b>	varchar(255)	No	
<b>mobile</b>	bigint(255)	No	
<b>suspended</b>	tinyint(2)	Yes	<i>NULL</i>

### 5.1.4 in\_categories

Column	Type	Null	Default
<b>cat_id</b>	bigint(20)	No	
<b>sb_cat_name</b>	varchar(255)	Yes	<i>NULL</i>

### 5.1.5 in\_companies

Column	Type	Null	Default
<b>sb_company_id</b>	bigint(20)	No	
<b>sb_entrp_id</b>	bigint(20)	No	0
<b>sb_name</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_type</b>	bigint(20)	Yes	<i>NULL</i>
<b>sb_location</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_industry</b>	bigint(20)	Yes	0
<b>sb_no_of_emps</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_no_of_officies</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_profile</b>	longtext	Yes	<i>NULL</i>
<b>sb_logo</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_website</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_viewed</b>	bigint(20)	No	0
<b>sb_approved</b>	varchar(255)	Yes	no
<b>tempdate</b>	timestamp	No	CURRENT_TIMESTAMP
<b>sb_posted_on</b>	timestamp	No	0000-00-00 00:00:00
<b>sb_show_profile</b>	varchar(255)	No	no

### 5.1.6 in\_cover\_letters

Column	Type	Null	Default
<b>cover_id</b>	bigint(20)	No	
<b>sb_cand_id</b>	bigint(20)	Yes	<i>NULL</i>
<b>sb_title</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_contents</b>	longtext	Yes	<i>NULL</i>
<b>sb_approved</b>	varchar(255)	Yes	<i>NULL</i>

### 5.1.7 in\_education

Column	Type	Null	Default
<b>edu_id</b>	bigint(20)	No	
<b>resume_id</b>	bigint(20)	No	0
<b>sb_school</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_end_month</b>	int(11)	Yes	<i>NULL</i>
<b>sb_end_year</b>	int(11)	Yes	<i>NULL</i>
<b>sb_degree</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_city</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_state</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_country</b>	bigint(20)	Yes	<i>NULL</i>
<b>sb_desc</b>	longtext	Yes	<i>NULL</i>

### 5.1.8 in\_entrepreneur

Column	Type	Null	Default
<b>sb_entrp_id</b>	int(100)	No	
<b>username</b>	varchar(255)	No	
<b>password</b>	varchar(255)	No	
<b>firstname</b>	varchar(255)	No	
<b>lastname</b>	varchar(255)	No	
<b>email</b>	varchar(255)	No	
<b>dob</b>	date	No	
<b>address</b>	varchar(255)	No	
<b>city</b>	varchar(255)	No	
<b>mobile</b>	bigint(255)	No	
<b>suspended</b>	tinyint(2)	Yes	<i>NULL</i>

### 5.1.9 in\_experience

Column	Type	Null	Default
<b>sb_cand_id</b>	int(10)	No	
<b>experience</b>	varchar(255)	No	
<b>sb_duration</b>	int(3)	No	

### 5.1.10 in\_industries

Column	Type	Null	Default
<b>ind_id</b>	bigint(20)	No	
<b>sb_name</b>	varchar(255)	Yes	<i>NULL</i>

### 5.1.11 in\_jobs

Column	Type	Null	Default
<b>job_id</b>	bigint(20)	No	
<b>sb_entrp_id</b>	bigint(20)	No	0
<b>sb_title</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_role</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_company_id</b>	bigint(20)	No	0
<b>sb_vacancies</b>	bigint(20)	No	0
<b>sb_posted_on</b>	timestamp	No	CURRENT_TIMESTAMP
<b>sb_experience</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_education</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_min_salary</b>	decimal(15,2)	No	0.00
<b>sb_max_salary</b>	decimal(15,2)	No	0.00
<b>sb_description</b>	longtext	Yes	<i>NULL</i>
<b>sb_approved</b>	varchar(255)	Yes	<i>NULL</i>
<b>job_type_id</b>	bigint(20)	No	0
<b>sb_job_status</b>	bigint(20)	No	0
<b>sb_show_profile1</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_front_featured</b>	varchar(255)	No	no
<b>sb_featured</b>	varchar(255)	No	no
<b>sb_highlight</b>	varchar(255)	No	no
<b>cat_id</b>	int(11)	No	0
<b>ind_id</b>	int(11)	No	0
<b>loc_id</b>	int(11)	No	0

### 5.1.12 in\_job\_type

Column	Type	Null	Default
<b>job_type_id</b>	int(3)	No	
<b>sb_job_name</b>	varchar(255)	No	

### 5.1.13 in\_locations

Column	Type	Null	Default
<b>loc_id</b>	bigint(20)	No	
<b>sb_loc_name</b>	varchar(255)	Yes	<i>NULL</i>

### 5.1.14 in\_resumes

Column	Type	Null	Default
<b>resume_id</b>	bigint(20)	No	
<b>sb_cand_id</b>	bigint(20)	No	0
<b>sb_name</b>	varchar(255)	No	
<b>sb_contact</b>	varchar(255)	No	
<b>sb_objective</b>	longtext	Yes	<i>NULL</i>
<b>sb_education</b>	varchar(255)	No	
<b>sb_job_type</b>	int(11)	Yes	<i>NULL</i>
<b>sb_internship</b>	varchar(255)	No	
<b>sb_curricular</b>	int(255)	No	
<b>sb_achievement</b>	int(255)	No	
<b>sb_firstname</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_lastname</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_city</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_state</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_zip</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_country</b>	bigint(20)	No	-1
<b>sb_mobile</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_email</b>	varchar(255)	Yes	
<b>sb_posted_on</b>	timestamp	No	CURRENT_TIMESTAMP
<b>sb_approved</b>	varchar(255)	Yes	<i>NULL</i>
<b>sb_img_url</b>	varchar(255)	Yes	<i>NULL</i>

## 5.2 E-R Diagram

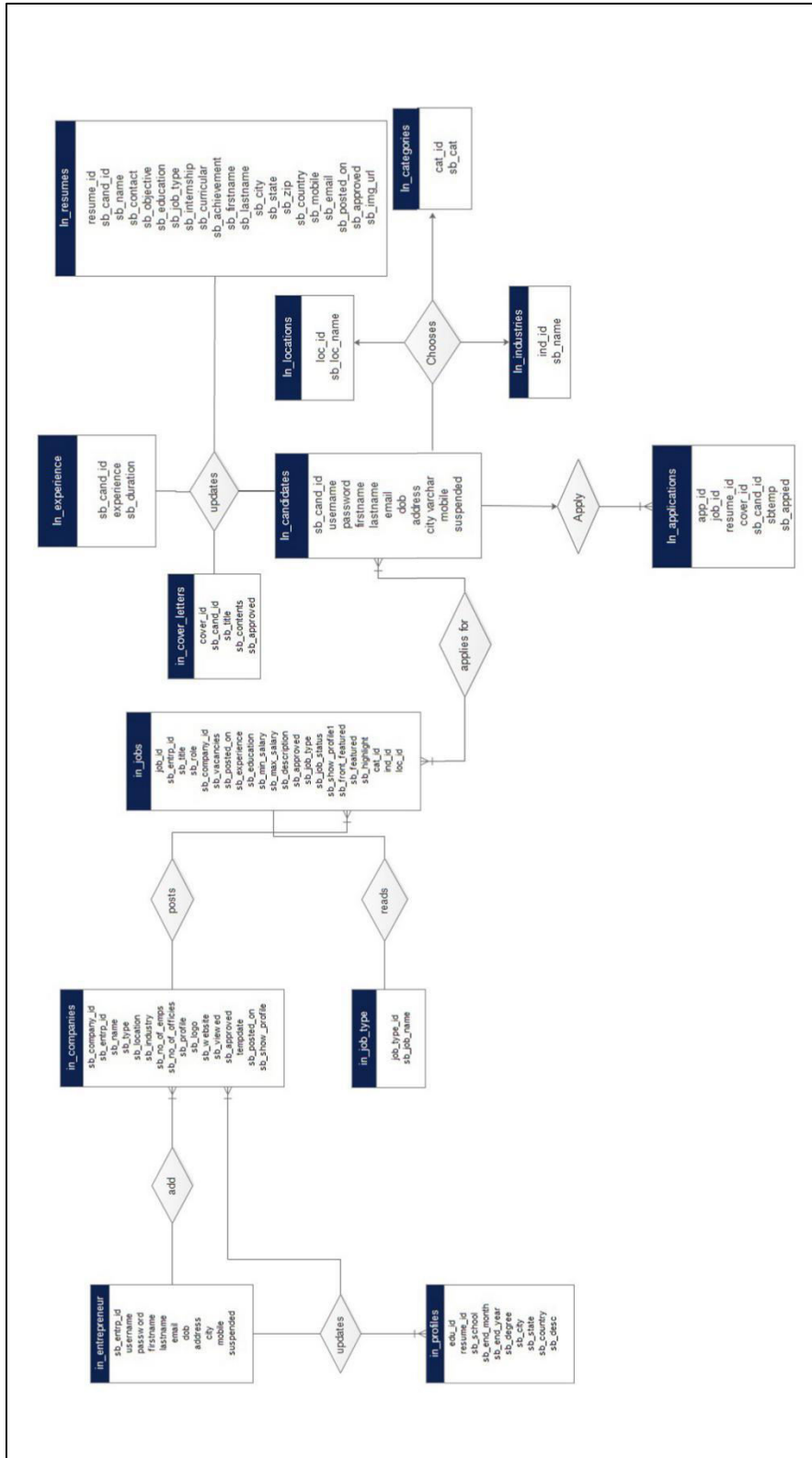


Figure 5.2



# Chapter 6

## IMPLEMENTATIONS

### 6.1 Screenshots

#### 6.1.1 Administrator Login

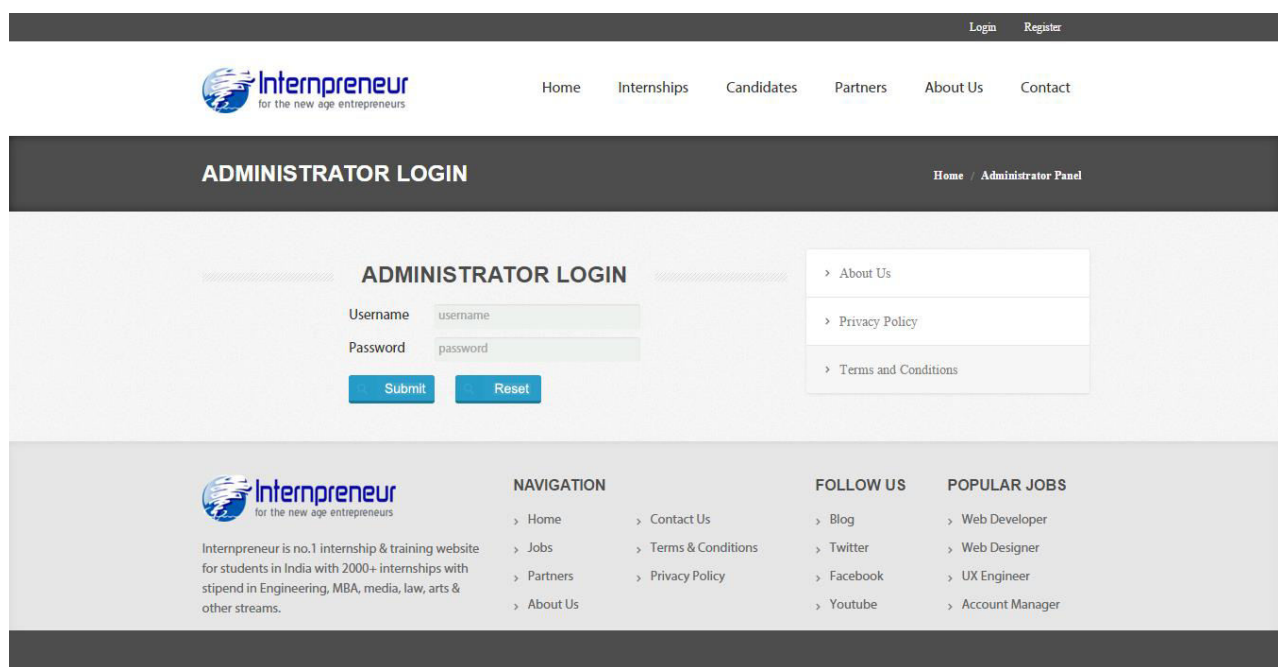


Figure 6.1.1 : Administrator Login (localhost/Internpreneur/admin/index.php)

## 6.1.2 Homepage

The screenshot displays the homepage of Internpreneur, a platform for students seeking internships. The header includes the logo and navigation links: Home, Internships, Candidates, Partners, About Us, and Contact. A search bar allows users to filter by 'Candidate', 'Any Location', and 'Industry / Role'. The main banner features a 'Register Now' button and a 'Post a Job' button. The 'FIND A JOB PER' section includes a world map and a list of cities: Bangalore, Bhubaneswar, Chennai, Hyderabad, Kolkata, Mumbai, New Delhi, and Pune. The 'LATEST INTERNSHIPS' section highlights a 'Developer at Tata Consultancy Services' role. The 'OUR PARTNERS' section lists logos for Infossys, SAP, amazon, accenture, TEKsystems, ERICSSON, Flipkart, Cognizant, Deloitte, bookmyshow, and facebook. The 'SUCCESS STORIES' section shows a row of seven student portraits. The footer contains the Internpreneur logo, a description of the platform, a 'NAVIGATION' menu, and 'FOLLOW US' and 'POPULAR JOBS' links.

Figure 6.1.2 : Homepage (localhost/Internpreneur/index.php)

## 6.1.3 Registration Page

The registration page is titled "REGISTER HERE" and includes a breadcrumb trail "Home / Register". The main content area is titled "REGISTER" and contains the following form elements:

- I am a/an:** Radio buttons for "Student" and "Entrepreneur".
- Full Name:** Text input field with placeholder "Enter your Name".
- Company Name:** Text input field with placeholder "Enter Company name". Below this is a note: "(For Entrepreneurs):".
- Username:** Text input field with placeholder "Enter Username".
- Email-Id:** Text input field with placeholder "Enter Email-Id".
- Mobile No.:** Text input field with placeholder "Enter Mobile No.". Below this is a note: "(For Entrepreneurs):".
- Password:** Password input field with placeholder "\*\*\*\*\*".
- Confirm password:** Password input field with placeholder "\*\*\*\*\*".

At the bottom of the form are two buttons: "Submit" and "Reset".

The footer contains the Internpreneur logo and a description: "Internpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams." It also features three columns of links:

- NAVIGATION:** Home, Jobs, Partners, About Us, Contact Us, Terms & Conditions, Privacy Policy.
- FOLLOW US:** Blog, Twitter, Facebook, Youtube.
- POPULAR JOBS:** Web Developer, Web Designer, UX Engineer, Account Manager.

Figure 6.1.3 : Registration Page (localhost/Internpreneur/register.php)

## 6.1.4 Login Page

6.1.4 Login Page

Header: Login Register

Logo: Internpreneur for the new age entrepreneurs

Navigation: Home Internships Candidates About Us Contact

Sub-Header: LOGIN Home / Login

Form Fields:

- I am a:  Candidate  Entrepreneur
- Username:
- Password:
- Buttons: Submit Reset

Right Sidebar:

- > About Us
- > Privacy Policy
- > Terms and Conditions

Footer:

Logo: Internpreneur for the new age entrepreneurs

Description: Internpreneur is no.1 Internship & training website for students in India with 2000+ members, at 12 locations across India.

NAVIGATION:

- > Home
- > Jobs
- > Contact Us
- > Terms & Conditions

FOLLOW US:

- > Blog
- > Twitter
- > Facebook

POPULAR JOBS:

- > Web Developer
- > Web Designer
- > PHP Developer

Figure 6.1.4 : Login Page (localhost/Internpreneur/login.php)

## 6.1.5 Student's Dashboard

Welcome amanmunshi   Dashboard   Logout

**Interpreneur**  
for the new age entrepreneurs

Home   Internships   Candidates   About Us   Contact

**AMAN MUNSHI - WEB DEVELOPER**   Home   Candidate

252 x 252

### CONTACT DETAILS

Name	Aman Munshi
Age	22 Years Old
Location	Bhubaneswar
Experience	0
Degree	B. Tech in Computer Science
Phone	9836152111
E-mail	amanmunshi@hotmail.com

### PROFILE DESCRIPTION

**Aman Munshi**  
22 Years Old - Bhubaneswar

Hello!! My name is Aman Munshi, I am a Student of Kalinga Institute of Industrial Technology.

#### My Skills

- 0 Years of Experience
- Perfect Written & Spoken English
- 3 Foreign Languages

Preferred languages are Arabic, French & Italian. Proin nibh augue, suscipit a, scelerisque sed, lacinia in, mi.

#### Additional Skills

PHP   Java

[My Resume](#)   [Applied Jobs](#)

Interpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams.

#### NAVIGATION

- > Home
- > Jobs
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

#### FOLLOW US

- > Blog
- > Twitter
- > Facebook
- > Youtube

#### POPULAR JOBS

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.5 : Student's Dashboard Page (localhost/Interpreneur/cand\_dashboard.php)

## 6.1.6 Entrepreneur's Dashboard

The screenshot displays the Entrepreneur's Dashboard for Pankaj Sharma, a Managing Partner. The page is divided into several sections:

- Header:** Includes the Entrepreneur logo and navigation links: Home, Internships, Candidates, About Us, Contact. A secondary header shows the user's name and role: PANKAJ SHARMA - MANAGING PARTNER, with links for Home and Candidate.
- Profile Description:** Features a profile picture placeholder (252 x 252) and a bio for Pankaj Sharma, 29 years old from Kolkata. It describes Red Lion Films as a design and branding consultancy agency based in Calcutta or Kolkata. Below the bio are social media icons and a star icon.
- Contact Details:** A table listing personal information:

Name	Pankaj Sharma
Age	29 Years Old
Location	Kolkata
No. of	2
Companies	
Job Postings	2
Phone	9836565265
E-mail	pankaj@redlionfilms.com
Website	www.redlionfilms.com
- My Assets:** A section with three horizontal progress bars: No. of Offices, No. Of Employees, and Vacant Positions. Each bar has a plus or minus icon to adjust the value.
- My Companies:** A list of companies: Red Lion Films and SKP Pipes Pvt. Ltd., with an "Add A Company" button.
- Footer:** Contains the Entrepreneur logo, a brief description of the site, and navigation menus for NAVIGATION, FOLLOW US, and POPULAR JOBS.

Figure 6.1.6 : Entrepreneur's Dashboard Page (localhost/Entrepreneur/entrp\_dashboard.php)

## 6.1.7 Add A Company

The screenshot displays the 'Add A Company' page on the Internpreneur website. The page is divided into several sections:

- Header:** Includes the Internpreneur logo and navigation links: Home, Internships, Candidates, About Us, Contact. A secondary header shows the user's name 'PANKAJ SHARMA - MANAGING PARTNER' and links for Home and Candidate.
- Profile Section:** A placeholder for a 252 x 252 profile picture. Below it, 'CONTACT DETAILS' are listed:

Name	Pankaj Sharma
Age	29 Years Old
Location	Kolkata
No. of Companies	2
Job Postings	2
Phone	9836565265
E-mail	pankaj@redlionfilms.com
Website	www.redlionfilms.com
- Form Section:** Titled 'ADD A COMPANY', it contains a form to 'Enter Company Details'. The form includes:
  - Company Name:
  - Company Type:
  - Location:
  - Industry:
  - No. of employees:
  - No. of offices:
  - Website:
  - Company Description:Buttons for 'Submit' and 'Reset' are located below the form. At the bottom of the form area are two large buttons: 'Add A Company' (blue) and 'Post A Job' (red).

Figure 6.1.7 : Add A Company Page (localhost/Internpreneur/addacompany.php)

## 6.1.8 Post A Job

Welcome pankajsharma   Dashboard   Logout

**Internpreneur**  
for the new age entrepreneurs

Home   Internships   Candidates   About Us   Contact

**PANKAJ SHARMA - MANAGING PARTNER**   Home   Candidate

252 x 252

**CONTACT DETAILS**

Name	Pankaj Sharma
Age	29 Years Old
Location	Kolkata
No. of	2
Companies	
Job Postings	2
Phone	9836565265
E-mail	pankaj@redlionfilms.com
Website	www.redlionfilms.com

**POST A JOB**

JOB APPLICATIONS   COMPANIES   JOB POSTINGS

**Enter Job Details**

Job Title:

Job Role:

Select Company:

Job Location:

Number of Vacancies:

Experience Required:

Education Level:

Minimum Salary:

Maximum salary:

Job Description:

Job Type:

**Internpreneur**  
for the new age entrepreneurs

Internpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams.

**NAVIGATION**

- > Home
- > Jobs
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

**FOLLOW US**

- > Blog
- > Twitter
- > Facebook
- > Youtube

**POPULAR JOBS**

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.8 : Post A Job Page (localhost/Internpreneur/postajob.php)



## 6.1.9 Internships Page


The screenshot shows the 'Available Jobs' page on the Entrepreneur website. The page is divided into several sections:

- Header:** Includes the Entrepreneur logo and navigation links for Home, Internships, Candidates, About Us, and Contact. There are also links for Login and Register.
- Sub-Header:** 'Available Jobs (2)' with a breadcrumb trail 'Home / Jobs'.
- Search Section:** A search bar with the text 'I am looking for a' and a dropdown menu set to 'Internships'. Below it are fields for 'in' (set to 'Any Location') and 'Industry / Role', with a 'Submit' button.
- Results Filtering:** A sidebar with two sections:
  - By Industry:** A list of industries with counts in parentheses: Advertising (34), Agriculture/ (34), Airlines (34), Automotive (34), and Banking/ Financial (34). A 'See More' link is at the bottom.
  - By Type:** A list of job types with counts in parentheses: Accounting/Auditing (34), Administration (34), Administrative Services (34), Aerospace/Aviation/Defense (34), Agriculture Services (34), Allied Health (34), Architectural Services (34), Banking (34), Brand Consultancy (34), and Computer Science (34). A 'See More' link is at the bottom.
- Available Jobs:** A main content area with a pagination bar (1-6) and two job listings:
  - Content Writer:** Posted 23 Nov by Red Lion Films - Kolkata. Description: 'Content Writer required urgently for our website www.aboutthatfilm.com'. Job Role: Technology / IT, Industry: Themes, Career Level: Mid Career.
  - Technical Assistant:** Posted 23 Nov by SKP Pipes Pvt. Ltd. - Kolkata. Description: 'Good Technical Person required for our Technical Support Team.'. Job Role: Technology / IT, Industry: Themes, Career Level: Mid Career.
- Advertisement:** A graphic with the text 'WANTED: A ROCKSTAR' and 'AMAZING CREATIVE DYNAMIC UNIQUE HARD-WORKING INTERN'. A blue button at the bottom asks 'IS THAT YOU?'.
- Footer:** Includes the Entrepreneur logo, a description of the website, and four columns of links:
  - NAVIGATION:** Home, Jobs, Partners, About Us, Contact Us, Terms & Conditions, Privacy Policy.
  - FOLLOW US:** Blog, Twitter, Facebook, Youtube.
  - POPULAR JOBS:** Web Developer, Web Designer, UX Engineer, Account Manager.

Figure 6.1.9 : Internships (localhost/Entrepreneur/jobs.php)

## 6.1.10 Candidates Listing Page

Login Register



- Home
- Internships
- Candidates
- About Us
- Contact

ALL CANDIDATES
Home Candidates

### AVAILABLE CANDIDATES

7 Results Found

88 x 88

**Aman Munshi**  
22 Years Old - Bhubaneswar

Hello!! My name is Aman Munshi, I am a Student of Kalinga Institute of Industrial Technology.

Experience: 0 Years      Degree: B. Tech in Computer Science

88 x 88

**Ankita Agrawal**  
21 Years Old - Bhubaneswar

Hello! My name is Ankita Agrawal, I am from Raigarh, Chhatisgarh, pursuin B. Tech in Computer Science & Engg. from KIIT University, Bhubaneswar.

Experience: 2 Years      Degree: B. Tech in Computer Science

88 x 88

**Shubham Raj**  
20 Years Old - Manhar

Experience: Years      Degree:

88 x 88

**Abhishek Mojumdar**  
22 Years Old - Jamshedpur

Experience: Years      Degree:

88 x 88

**Pawan Raj**  
21 Years Old - Patna

Experience: Years      Degree:

88 x 88

**shashwat priyadarshi**  
23 Years Old - Bhubaneswar

Experience: Years      Degree:

88 x 88

**Sumedha Das**  
21 Years Old - Ranchi

Experience: Years      Degree:

## WANTED:

A ROCKSTAR

AMAZING, CREATIVE


DYNAMIC, UNIQUE

HARD-WORKING

## INTERN

IS THAT YOU?

### 5 TIPS TO PASS YOUR INTERVIEW!




Interview Tips

"Jeff & Mike - The Interview Guys"

#### THE POLL

- Rather Yes
- I'm Not Sure
- Rather Not
- No Way!

Vote Now



Internpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams.

#### NAVIGATION

- > Home
- > Jobs
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

#### FOLLOW US

- > Blog
- > Twitter
- > Facebook
- > Youtube

#### POPULAR JOBS

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.10 : Candidates (localhost/Internpreneur/candidates-listing.php)

41

## 6.1.11 ADMIN Dashboard Page

Welcome admin   Dashboard   Logout

**Internpreneur**  
for the new age entrepreneurs

Home   Internships   Candidates   About Us   Contact

### ADMIN PANEL

Home / Admin

**ADD FEATURES**  
Add Location  
Add Internships  
Add Users  
Add Company

**REMOVE FEATURES**  
Remove Student  
Remove Entrepreneur

**SEND US A MESSAGE**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin nibh augue.

Name

E-mail

WebSite

How can I help you?

**Internpreneur**  
for the new age entrepreneurs

Internpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams.

**NAVIGATION**

- > Home
- > Jobs
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

**FOLLOW US**

- > Blog
- > Twitter
- > Facebook
- > Youtube

**POPULAR JOBS**

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.11 : Admin (localhost/Internpreneur/admin/admin.php)

## 6.1.12 Add Location Page

The screenshot shows the 'ADD LOCATION' page in the Internpreneur admin interface. At the top, there is a dark navigation bar with 'Welcome admin', 'Dashboard', and 'Logout' on the right. Below this is a header with the 'Internpreneur' logo and navigation links for 'Home', 'Internships', 'Candidates', 'About Us', and 'Contact'. The main content area has a dark header with 'ADD LOCATION' on the left and 'Home / Thanks' on the right. The form includes a 'City:' label, a text input field with the placeholder 'Enter your city name', and a blue 'Submit' button. To the right, there is a 'SEND US A MESSAGE' section with a paragraph of placeholder text and a 'Name' input field.

Figure 6.1.12 : Add Location (localhost/Internpreneur/admin/addlocation.php)


## 6.1.13 Add Users Page

The screenshot shows the 'ADD USERS' page in the Internpreneur admin interface. It features the same top navigation bar and header as the previous page. The main content area has a dark header with 'ADD USERS' on the left and 'Home / Thanks' on the right. The form includes a 'Role:' label with a dropdown menu showing 'Student', a 'Username:' label with a text input field, and a 'Password:' label with a text input field containing six asterisks. A blue 'Submit' button is located below the password field. To the right, there is a 'SEND US A MESSAGE' section with a paragraph of placeholder text and two input fields labeled 'Name' and 'E-mail'.

Figure 6.1.13 : Add Users (localhost/Internpreneur/admin/addusers.php)

## 6.1.14 Add Company Page

Welcome admin   Dashboard   Logout

 Home   Internships   Candidates   About Us   Contact

**REGISTER HERE** Home / Register

### ADD COMPANY

Company Name:

Company Type:

Location:


Industry:

No. of employees:

No. of offices:

Company Website:

- > About Us
- > Privacy Policy
- > Terms and Conditions

 Internpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams.

**NAVIGATION**

- > Home
- > Jobs
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

**FOLLOW US**

- > Blog
- > Twitter
- > Facebook
- > Youtube


**POPULAR JOBS**

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.14 : Add Company (localhost/Internpreneur/admin/addcompany.php)

## 6.1.15 Add Internships Page

Welcome admin   Dashboard   Logout

 Home   Internships   Candidates   About Us   Contact

### ADD INTERNSHIPS Home / Thanks


Job Title:	<input type="text"/>
Job Role:	<input type="text"/>
Select Company:	<input type="text" value="Red Lion Films"/>
Job Location:	<input type="text" value="New Delhi"/>
Number of Vacancies:	<input type="text"/>
Experience Required:	<input type="text"/>
Education Level:	<input type="text"/>
Minimum Salary:	<input type="text"/>
Maximum salary:	<input type="text"/>
JOB DESCRIPTION:	<input type="text"/>
Job Type:	<input type="text" value="Internships"/>

#### SEND US A MESSAGE

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin nibh augue.

How can I help you?

 Internpreneur  
for the new age entrepreneurs

Internpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams.

#### NAVIGATION

- > Home
- > Jobs
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

#### FOLLOW US

- > Blog
- > Twitter
- > Facebook
- > Youtube

#### POPULAR JOBS

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.15 : Add Internships (localhost/Internpreneur/admin/addinternships.php)

## 6.1.16 About Us Page

The screenshot displays the 'About Us' page of the Internpreneur website. At the top, a dark navigation bar contains 'Login' and 'Register' links. Below this, the website's logo and a main navigation menu with links for 'Home', 'Internships', 'Candidates', 'Partners', 'About Us', and 'Contact' are visible. The page header features 'ABOUT US' on the left and 'Home / About Us' on the right. The main content area is titled 'HELLO, NICE TO MEET YOU!' and contains introductory text about the company's mission and a list of partners. A sidebar on the right provides quick links to 'About Us', 'Privacy Policy', and 'Terms and Conditions'. The footer includes the company logo, a detailed navigation menu, social media links, and a list of popular job roles.





**HELLO, NICE TO MEET YOU!**

Internpreneur is a dot com business with the heart of dot org.

At the core of the idea is the belief that internships, if managed well, can make a positive difference to the student, to the employer, and to the society at large. Hence, the ad-hoc culture surrounding internships in India should and would change. Internpreneur aims to be the driver of this change.

Internpreneur is different things to different people-

**OUR TEAM**

-   
Aman Munshi  
Partner
-   
Ankita Agrawal  
Partner
-   
Sumedha Das  
Partner
-   
Shweta Sagar  
Partner

**NAVIGATION**

- > Home
- > Internships
- > Candidates
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

**FOLLOW US**

- > Blog
- > Twitter
- > Facebook
- > Youtube


**POPULAR JOBS**

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.16: About Us (localhost/Internpreneur/about-us.php)

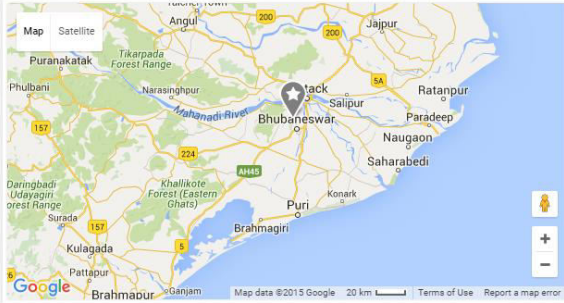
## 6.1.17 Contact Us Page

Login Register

 Home Internships Candidates About Us Contact

---

**CONTACT US** Home / Contact Us



**HEADQUARTERS**  
Address: Kings Palace - VI, KIIT University  
Phone: +91 9668331740  
E-mail: [amanmunshi@hotmail.com](mailto:amanmunshi@hotmail.com)  
Website: [www.internpreneur.com](http://www.internpreneur.com)

**REGIONAL OFFICE**  
Address: Queens Castle - II, KIIT University  
Phone: +91 9178679894  
E-mail: [amanmunshi@hotmail.com](mailto:amanmunshi@hotmail.com)  
Website: [www.internpreneur.com](http://www.internpreneur.com)

**SEND US A MESSAGE**

In case of any queries, please write to us.


Name

E-mail

WebSite

How can I help you?

---

 Internpreneur is no.1 internship & training website for students in India with 2000+ internships with stipend in Engineering, MBA, media, law, arts & other streams.

**NAVIGATION**

- > Home
- > Jobs
- > Partners
- > About Us
- > Contact Us
- > Terms & Conditions
- > Privacy Policy

**FOLLOW US**

- > Blog
- > Twitter
- > Facebook
- > Youtube

**POPULAR JOBS**

- > Web Developer
- > Web Designer
- > UX Engineer
- > Account Manager

Figure 6.1.17 : Contact Us (localhost/Internpreneur/contacts.php)



# CONCLUSION AND FUTURE SCOPE

For future development, we will first consider all previously assumed options which are not yet developed. This can make the website livelier in action, so that can be considered as popular online job portal website.

At this time, some future development has to be taken into account, such as:

- A fully-functional Admin Panel, which has not been implemented in this version.
- A payment system against a professional resume.
- Auto-Generated Mailing System informing both the Students and the Entrepreneurs.
- The errors occurred due to failure nature of the website, has to be reduce as far possible to make the site more user friendly in nature.
- This website would be launched in World Wide Web (www) to have the live version over the internet.

We will look for the whole prospective in the near future for a successful, most popular and user-friendly website which will be frequently updated with some extra new features as well as attractive altering ornamentations in the user interface.

# REFERENCES

To develop this website certain helps were taken from different books of renowned authors. The references are, therefore, as follows:

1. Beginning PHP5, Apache, and MySQL Web Development
  - By **Elizabeth Naramore, Jason Gerner, Yann Le Scouarnec, Jeremy Stolz, Michael K. Glass**
2. PHP 6 and MySQL 5 for Dynamic Web Sites 2007
  - By **Larry Ullman**
3. Fundamentals of Software Engineering.
  - By **Rajib Mall**
4. [www.php.net](http://www.php.net)
5. [www.w3schools.net](http://www.w3schools.net)

# References

- [1] pjreddie.com , YOLO and darknet resources.
- [2] Stack over flow, python related queries.
- [3] <https://www.pyimagesearch.com>, image processing related stuff.
- [4] Way2sms.com - the messaging service API
- [5] <https://www.python.org/doc/essays/blurb/>
- [6] [https://docs.opencv.org/master/d0/de3/tutorial\\_py\\_intro.html](https://docs.opencv.org/master/d0/de3/tutorial_py_intro.html)
- [7] <https://www.learnopencv.com/deep-learning-based-object-detection-using-yolov3-with-opencv-python-c/>
- [8] <https://towardsdatascience.com/understanding-neural-networks-from-neuron-to-rnn-cnn-and-deep-learning-cd88e90e0a90>
- [9] <https://www.guru99.com/introduction-to-mysql-workbench.html>
- [10] <http://blog.way2sms.com/view.php?id=342&cid=6>
- [11] <https://opensource.com/resources/what-docker>

# Appendix A

## INDIVIDUAL CONTRIBUTION

NAME : RAHUL PANDEY

CONTRIBUTION IN THE PROJECT :

1. Contributed in the image processing part of the project.
2. Contributed in Yolo implementation in the system.
3. Traffic system code for counting the number of vehicles and regulating the traffic

NAME : ROHIT ROUSHAN

CONTRIBUTION IN THE PROJECT :

1. Implemented both the email and sms system that's sending message to the owner regarding fine for breaking traffic light.
2. Integrated the project with the database to search the owner information to send emails and messages.

# Appendix B

## Glossary

- **LMS** : Learning Management System
- **CMS** : Content Management System
- **LCMS** : Learning Content Management System
- **VLE** : Virtual Learning Environment
- **CBA** : Computer Based Assessment
- **CAA** : Computer Assisted Assessment
- **DSP** : Digital Signal Processing
- **MCQ** : Multiple Choice Question
- **TLE** : Teaching and Learning Environment
- **LMS** : Learning Management System
- **TMS** : Test Management System
- **TDS** : Test Delivery System
- **LDAP** : Lightweight Directory Access Protocol
- **LAMP** : Linux Apache MySQL PHP
- **WAMP** : Windows Apache MySQL PHP

In appendix include Source Code (Important code only, Optional) , Screen Shots etc.