

INTERNSHIP ON E-LEARNING MANAGEMENT SYSTEM

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An intern report submitted
In partial fulfilment of the requirements
For the degree of
Bachelor of Science in Computer Science and Engineering

UNIVERSITY OF LIBERAL ARTS BANGLADESH
Dhaka, Bangladesh

April 2020

DECLARATION

I declare that this Internship report entitled “*E-Learning Management System*” is the result of my own research except as cited in the references. The Internship report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.

Signature :

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Date : April 23, 2020

CERTIFICATE OF APPROVAL

The Internship report entitled “*E-LEARNING MANAGEMENT SYSTEM*” is submitted to the Department of Computer Science and Engineering at University of Liberal Arts Bangladesh (ULAB) in partial fulfillment of the requirements for the degree of Bachelor of Science.

Dated: April 2020

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University of Liberal Arts Bangladesh

Signature & Date

DEDICATION

To my lovely parents, who gave me endless love, trust, constant encouragement over the years, and for their prayers.

To my mentors and peers for their patience, support, love, and for enduring the ups and downs during the completion of this report.

This report is dedicated to them.

ACKNOWLEDGEMENT

I wish to express my deepest appreciation to all those who helped me, in one way or another, to complete my internship program. First and foremost, I thank Almighty who provided me with strength, direction and purpose throughout the project. I would like to thank Almighty Allah to give me the strength to finish the internship. I am thankful to my family for their whole family for their wholehearted support.

Special thanks to my project supervisor Dr. Abul Kalam Al Azad all his patience, guidance and support during the execution of these month. Through his expert guidance, I was able to overcome all the obstacles that I encountered in these enduring three months of my internship's project. In fact, he always gave me immense hope every time I consulted with him over problems. The internship I had with Digital Hub Solutions Ltd was a great opportunity for me to develop my skills in professional level. I would also like to thank my team members who helped to make this possible. It has been a great journey with Digital Hub Solutions Ltd .I am indebted to all the respected employees of Digital Hub Solutions Ltd.

ABSTRACT

This report aspects about internship as Web developer at Digital Hub Solutions Ltd. I joined there to analyze on the growing websites and framework. They gave me some task of Laravel framework as I was absolutely new in Laravel they do no longer permit me to enhance their system at first. My group members give me some basic training for Lravel to cover up my skills. As I had time on my later duration of intern I used to be doing a task with group members the use of Laravel and made an E learning management web based platform. This a client's project.I developing so came up developing this web based platform.I also designed logo and developed font-end. I have tried to make this internship report informative and analytical as much as possible according to the information and knowledge I have acquired from Digital Hub Solution Ltd.

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LIST OF ABBREVIATIONS

CSE	Computer Science and Engineering
ULAB	University of Liberal Arts Bangladesh
SVG	Scalar Vector graphics
ER	Entity Relationship
HTML	Hypertext Markup Language
MVC	Model View Controller
CSS	Cascading Style Sheet
AJAX	Asynchronous JavaScript and XML
XML	Extensible Markup Language.
SDLC	Software Development Life Cycle
HTTP	Hyper Text Transfer Protocol
DFD	Data Flow Diagram
IOC	Inversion of Control

CHAPTER 1

INTRODUCTION

1.1 Overview

This attachment record is about lesson learn from Digital hub Solutions Ltd. It is essential to acquire a working experience in a particular field. Digital hub provided software solution and best technology solution. Digital Hub Solution is a leading internet site improvement enterprise for ecommerce in Bangladesh, one of Bangladesh's pinnacle providers of ecommerce services. Digital hub solution furnish skills about utility development and web based software program development. I acquired possibility to work in a project there. Digital hub solution provide skills about application development and web based software development. I got opportunity to work in a project there. This software is basically online learning platform where student can learn through this system. I have learned many different things about website developing tool and framework, content development.

There used to be a lot of employee they are very pleasant and continually help and assist me as well. I used to be fortunate enough work with such humans who have outstanding intelligence in their developing capabilities and communicate skills people. I used to be under a supervision of a project manager and as an intern in the part of web development. There used to be a team for web development. In the later section of my internship. I had time to increase a project and ultimately I got here up with a skill of developed web based platform. I have attended to my educational knowledge coding and follow this knowledge in practically. In the quick time I have gain a lot of skills like web designing, logo designing and font-end development. At this time I provide priority of my task and attended my work regularly.

1.2 Objective

Main reason to complete the system within time and internship cause is achieve specific area of information and actual life work environment that can help me to better employee in in future and additionally convert all theoretical knowledge in realistic knowledge. This report describes my internship journey at where I finished realistic work experience, discovered a number of technologies and how to enforce a website.

1.2.1 Objective

Main objective of the internship is given below:

- To emerge as an appropriate web developer.
- Gaining the realistic existence experience.
- Work with skillful people.
- Get Connected improve and expert network.
- Employees are assist to work hard
- Get opportunity to understand better about myself.
- Work with group members.
- Know about unique language and framework.
- Employees are given motivation as well.

1.2.2 Broad Objective

The main target is to develop a platform for learning purpose where students can gain knowledge with course payment. This web base platform where teacher will take course student can give exam and without complete one course they can't take another one. This is basically a client project complete the project is main purpose.

1.3 Scope of the Report

This document is for full fill the requirement the CSE department in my University and tutorial purpose. This document is based on web development and web site will regular update according to customer value.

1.4 Methodology

For making this repot and developing project essential data are need to set first. All essential source of information is given below.

1.4.1 Primary source

The main information collected from team member of the project in Digital hub solution ltd.

- Md.Saif ,web developer
- Md Saied, project Manager

1.4.2 Secondary Source

- Web site of Digital hub Solutions Ltd.
- Md.Muslim Uddin,CEO

1.4.3 Scope of the Project

E-Learning Management System is web based platform. This is a client's project. The process of this project can be changed according to the client requirement. In every month it can be update .This is a large project and developing every part is very difficult in short time according to the project requirement.

CHAPTER 2

COMPANY PROFILE

2.1 Company Overview

Digital Hub Solution is a leading website development company for ecommerce in Bangladesh, one of Bangladesh's top providers of ecommerce services. Digital Hub Solutions Ltd is basically an Ecommerce Website Development Company in Bangladesh. Digital Hub Solutions Ltd has dedicated team members who develop design, app, and digital marketing campaigns running e-commerce websites, SEO for start-ups, retailers, vendors, brands and any manufacturing & service companies. They have experience in designing user-friendly, SEO-friendly & attractive business websites. Whether people are looking for a simple static website or a stunning dynamic website. E-commerce is the cheapest source where the promotional costs are reduced. The e-commerce website or application does not provide a time-barrier for the sale of goods. The rising web improvement and e-commerce area in this country needs a good sized digital advertising support. . UI & UX of an application will make a huge difference in e-commerce device usability and performance. Digital Hub Solution provides the most innovative e-commerce software technology to accelerate the business. Today e-commerce has completely changed people lifestyle because they don't have to spend time and money on market travel. Through e-commerce people can buy and sell virtually everything at their doorstep. The E-shop offers many advantages for people to expand and explore.

This Company seems in the market of Bangladesh to deliver the satisfactory internet development, digital advertising solutions, e-commerce commercial enterprise improvement, and software program development business enterprise with excellence effort.

This Company seems in the market of Bangladesh to supply the great web development, digital advertising solutions, e-commerce commercial enterprise improvement and software program improvement organization with excellence effort. This Company has arranged some fantastic seminars on digital advertising and web improvement for the betterment of new comers in e-commerce sectors. Some free courses and Workshops have been executed additionally for enhancing the community of enterprise improvement professionals. It has been helping many e-commerce agencies and little commercial enterprise with a severe digital marketing and software program answer and all types of business improvement materials.

A thought of a start-up can get all the substances to increase an enterprise from emblem to banners, from a social media page to expert internet web modified, from business mannequin to logical and all the supports can be furnished below a single name of Digital Hub Solutions Ltd. A gigantic plot of “Make your perusing work area as a workroom” is planned by this company which can be a genuine key changer within the locale of trade. A bunch of profoundly prepared advanced promoting specialists and web improvement administrators are taking portion in giving a parcel of administrations being the representatives of this organization. [1]

2.1.1 General Information of Company

Company name	Digital hub solutions Ltd
Address	House-8,Road-4/A,Dhanmondi,Dhaka
Year of Establishment	2015
Contact Number	01750375327
Mobile	01557770121
Email	saied@digitalhubltd.com
Company website	www.digitalhubltd.com

Table 2.1.1 General Information of Company

2.1.2 Sorts of Organization

There are major sorts of Organization

- Private
- Open
- Private Limited

Digital Hub Solutions Ltd is a Private Limited company in Bangladesh

2.2 Mission

This is primarily center on Web advancement, program improvement and E-commerce segment and their mission is to form individuals stir around understanding modern mechanical issues and making its powerless innovative destinations solid, filling up the clear locales of E-commerce division of Bangladesh with master labor. Over all, they need to display their Web improvement and E-commerce division to the world as a well-performing segment. A bunch of profoundly prepared computer program advancement specialists and trade improvement administrators are taking portion in giving a part of administrations being the representatives of this company.

2.3 Vision

Digital Hub Solution Ltd been supporting numerous e-commerce companies and little commerce with an extraordinary computerized promoting, web improvement and program arrangement and all sorts of trade improvement devices. In arrange to get mechanical improvement, this company structures R&D (Research and development), foreseeing end of the based on worldwide financial, social and mechanical patterns, with the point of accomplishing the objective of respective clients within the E-Commerce segment as well as e trade. They need to form themselves more trustable and more brilliant to their customers. [2]

2.4 Digital Hub Solution Ltd Provided

- Website Design and development.
- Software Development.
- Graphic Design and service

2.5 Development Tools and Languages

Digital Hub Solution Ltd provided efficient software and web based system

2.5.1 Programming Language

This table shows the Web Technologies List of Digital hub Solutions Ltd

NO.	Web Technologies
01	Css3
02	XML
03	PHP
04	Java script
05	HTML5

Table 2.5.1 Programming Language List

2.5.2 Web framework

This table shows the Web Framework List of Digital hub Solutions Ltd

NO.	Web Framework
01	Bootstrap4
02	Laravel
03	Ajax

Table 2.5.2 Web framework

2.5.3 Database System

This table shows the Database system of Digital hub Solutions Ltd

NO.	Database System
01	MySQL

Table 2.5.3 Database System

2.5.4 Server

This table shows the Web server of Digital hub Solutions Ltd

NO.	Servers
01	Web server

Table 2.5.4 Server

CHAPTER 3

TOOLS & TECHNOLOGES

3.1 Overview

For developed web based platform I have used lot of technologies. The team of digital hub Solution Ltd also helped to use those technology for developing. At first there are many things that was totally unknown to me. Example Laravel framework, Ajax. I have used Laravel framework in Backend of my system. Ajax was also new for me.

Laravel is outlined to form a modular application, even Laravel itself may be an arrangement of components. Utilizing measured shape you'll be able plan and create a large-scale trade venture utility with ease. Laravel presents exceptionally basic recommendations to form model or supplication in Laravel. [3]

3.2 Hardware

I had used Company's Laptop and desktop both are connected together (OS: Windows 10, processor: Intel Core i7)

3.3 Software

Using language in the Font-end

- CSS3
- XML
- JAVA-SCRIPT
- HTML5
- J-QUERY
- BOOTSTRAP4

Using language in the Back-end

- LARAVEL
- PHP
- AJAX
- MYSQL
- JASON

3.3.1 CSS3

The foremost utilize within the machine CSS3. It is the present day advancement of the Cascading Style Sheets dialect and goals at amplifying CSS2.1. . Designers get to put in force the layout elements from CSS3 in a less complicated manner. CSS3 provides more than one layered backgrounds to an element the use of multiple properties. This property from CSS3 adds to a visible programmer or designer's workflow. The property additionally helps in lowering the mark-up for the design. The textual content shadow property from CSS3 is a widely usual benefit for internet designers with the potential to have a cross browser tool.

3.3.2 XML

There are systems with different-different operating structures having records in distinct formats. In order to switch the statistics between these systems is a tough challenge as the data wants to convert in like compability formats before it can be used on other system. With XML, it is so handy to switch information between such structures as XML doesn't rely on platform and the language.

3.3.3 JAVA SCRIPT

JavaScript may be an energetic computer programming dialect. It is light-weight and most more often than not utilized as a portion of web pages, whose usage empower client-side script to connected with the client and make energetic pages. Another common computer program for JavaScript is as a Web server side scripting dialect. A JavaScript web server would uncover have objects speaking to a HTTP ask and reaction objects, which might at that point be controlled by employing a JavaScript program to powerfully produce web pages. JavaScript's energetic competencies incorporate runtime protest development, variable parameter records, characteristic factors, energetic script approach and source code recuperation. JavaScript includes interactivity in site for occurrence diversions, reactions when buttons are squeezed or records is entered in shapes, energetic styling, and movement.

3.3.4 BOOTSTRAP4

Bootstrap could be a free front-end system for speedier and simpler web development. Bootstrap moreover gives the capacity to effectively make reactive designs. Bootstrap 4 is the most up to date form of Bootstrap and unused components, speedier stylesheet and more reactiveness. Bootstrap four is outlined to be reactive to portable gadgets. Bootstrap 4 furthermore acquires a containing thing to wrap site substance.

3.3.5 LARAVEL

Laravel could be a PHP based web system for building high-end web applications the utilize of its great measured and smooth syntaxes .It's made by way of Taylor Otwell and assumed for the advancement of web applications. Laravel is based completely on MVC(Model see controller)and PHP.

3.3.6 PHP

PHP may be a server site online scripting language. That potential its handling happens within the server by means of eating server's sources and sends exclusively the yield to the client. PHP can also be utilized as a dialect for Command line Scripting and Desktop applications. It is quicker than other scripting dialect. This scripting dialect offers a part of assets, such as commands, capacities and codes, which can without issues be modified and utilized other than causing any taken a toll. PHP code is commonly handled with the help of a PHP translator carried out as a module in a net server.

3.3.7 AJAX

Offbeat JavaScript and XML. AJAX may be a procedure making rapidly and energetic web pages. AJAX permits web pages to be overhauled nonconcurrently by implies of trading little sums of information with the server behind the scenes. This implies that it is conceivable to overhaul parts of a web page, without reloading the total page. AJAX could be a modern strategy for developing superior, quicker, and additional intuitively web capacities with the assistance of XML, HTML, CSS, and Java Script. Ajax makes utilize of XHTML for content, CSS for introduction, together with Record Object Model and JavaScript for energetic substance fabric show. It is no longer a innovation be that as it may a team of advances. It makes utilize of numerous net connected sciences to make a set of net Improvement procedures. It works on the client-side to make the nonconcurrent web application.

3.3.8 JASON

It utilized to be inferred from JavaScript, in any case numerous modern programming dialects envelop code to create and parse JSON-format information. The respectable Web media kind for JSON is application. JSON filenames utilize the expansion. It's no longer a programming language. Its relationship to JavaScript is that it shares its syntax greater or less with a subset of JavaScript. The JSON specification defines it completely. It doesn't depend on references to the JavaScript specification. [4]

3.4 Reason of Using Laravel

Laravel is used for protection purpose. In quick time a large undertaking can viable via the use of Laravel. Dos programmer can't ambush in laravel system. DoS assault, the assailant commonly sends extreme messages inquiring the organize or server to confirm demands that have invalid return addresses. Laravel is secured from Dos assailants Laravel supply the buyer confirmation framework. Laravel architects didn't spend as well bounty time reevaluating. A parcel of alternatives and hones are exchanged from other systems.

3.5 Laravel compare with others similar option

Dajango vs Laravel- Django is an MVT or a demonstrate see layout system built with python. Laravel is an MVC or model-view-controller system built with PHP which is one of the foremost famous dialects of the net. MVC makes a difference in upgrading the execution, favors higher documentation, and has different built-in functionalities Laravel's code is very natural. Django's code shows up as a complex, that's due to the truth it makes utilize of ordinary expressions in its steering prepare, which are now not the most straightforward thing to utilize.

Symfony vs Laravel- Average loading time for a website with Laravel is 60 ms while with Symfony it's near about 250ms. As both caching views and Laravel has built with Symfony, however Laravel is quicker when Symfony caching source code.

Yii vs Laravel- Both these frameworks have handy migration systems. Laravel has wonderful trying out process over Yii. Laravel has a giant community with proper guide and it's growing every day, although its new framework as compared to different from 2012. Yii framework comes on 2008 and it also has a massive neighborhood with exact support but no longer like Laravel. [5]

3.6 Reason of Using Laravel Framework in Backend

- Creating Confirmation and Authorization Frameworks.
- Unification with Mail Administrations.
- Unification with Apparatuses for Making Web Applications Speedier.
- Selecting the Foremost Common Specialized Vulnerabilities.
- Organization Mistake and Exemption Dealing.

3.7 Incremental Model

In Digital Hub Solution Ltd Incremental model is used for developing any system. I have also learned and used this model in E-learning Management System web based Software.

Incremental model is like a building block. In this Model first want analysis to make any system then want to designing in accordance to analysis then want to do coding and in closing want to do testing. The primary increase is regularly a core item where the essential requirements are tended to, and supplementary highlights are conveyed within the increases. This Model is Reduce the cost of the project. Every increment

need to give feedback to the customer. Each increment need delivery of this model. It's also calendar of any project and I have tried to use this model for developing any system. Using This Model testing become easier. This Model basically reduce time that's the reason its reduce risk. Because at after processing it's able to know the risk and how much time require to complete the whole system. [6]

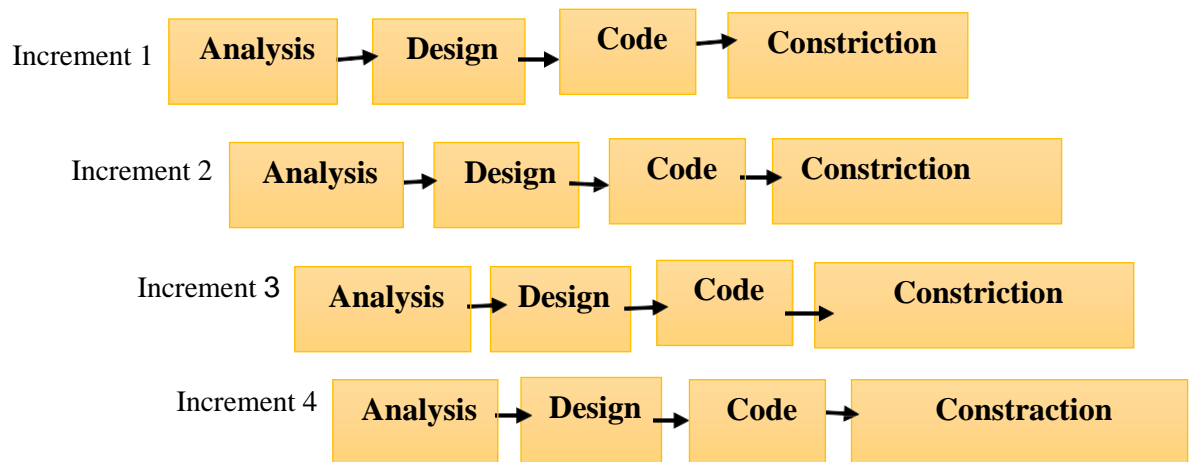


Figure 3.7: Incremental Model

3.8 Agile Process Model

In agile Model need to communicate each stakeholder .The importance thing is organizing team so that it's controlled the work performance and it's given the incremental delivery of the system. Customer description needed at first according to plan. After designing need software develop iteratively.

The agile process model first need first need planning. Plan for which requirement needed for developing a project. Then need designing according to the project requirement. Then after designing its need to implement after implement its need to testing. Longer Plan not create in this model because in this model need scrum

meeting with the group of the developing sector I have also used this model for developing web based platform.[6]

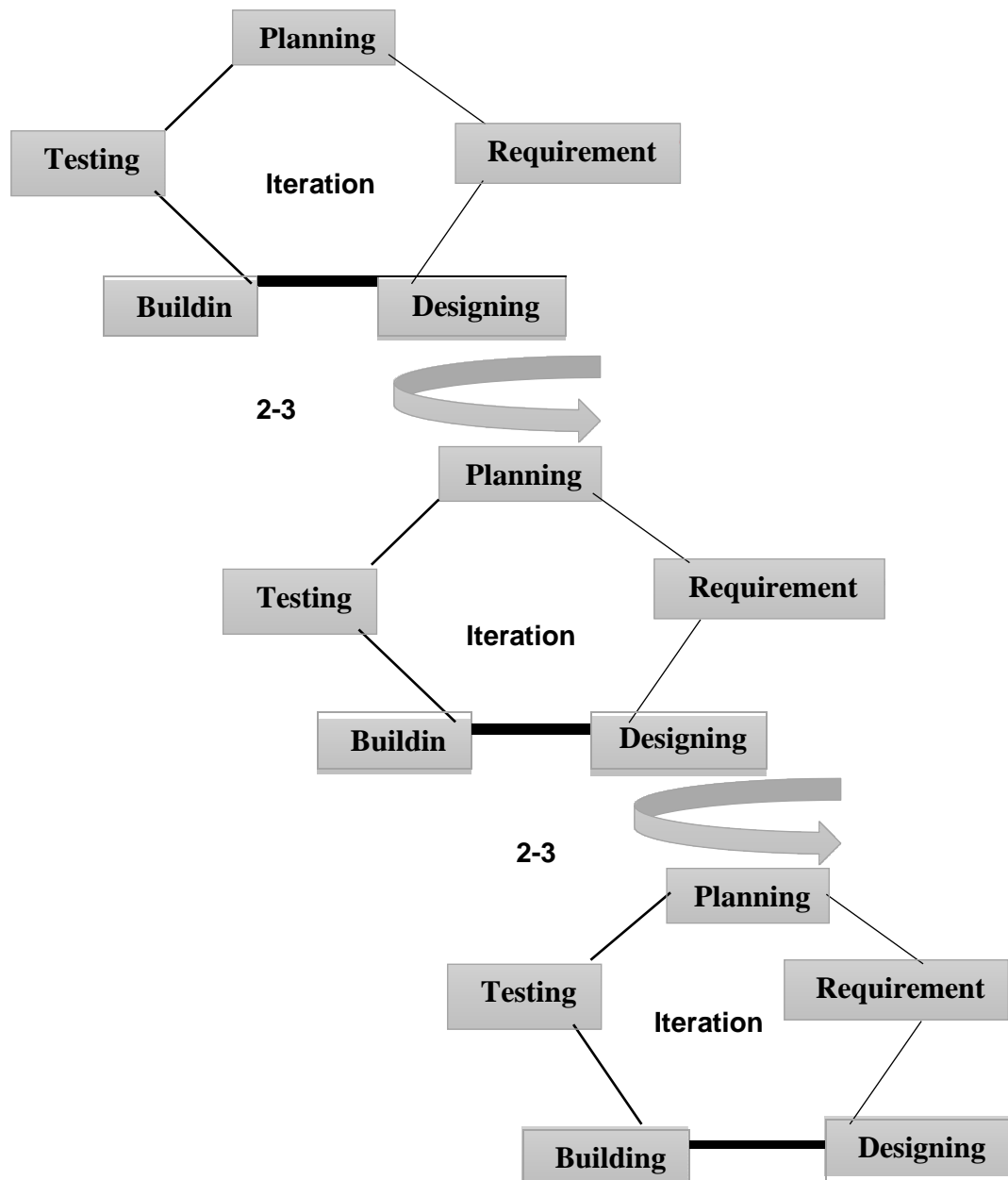


Figure 3.8: Agile Process Model

3.9 V-Model

The V-shape and mostly use in Digital Hub Solution Ltd. It is based on the developing stage of the system. The model is linear in every site. The V-model speaks to an advancement strategy that might too respected an expansion of the additional normal V-model. Improvement of each step straightforwardly related with the checking out stage. The following stage starts as it were after completion of the past stage. Rather than moving down in a direct way, the method steps are bowed up to after the coding stage, to the general V shape. The V-Model illustrates the connections between each segment of the advancement life cycle and its related stage of testing. In this Model the designing is basically two parts one is high level design and another is detailed design. In first need requirements analysis then need high level design, detailed design then need implementation. After implementation need unit testing, integration testing and system testing. [6]

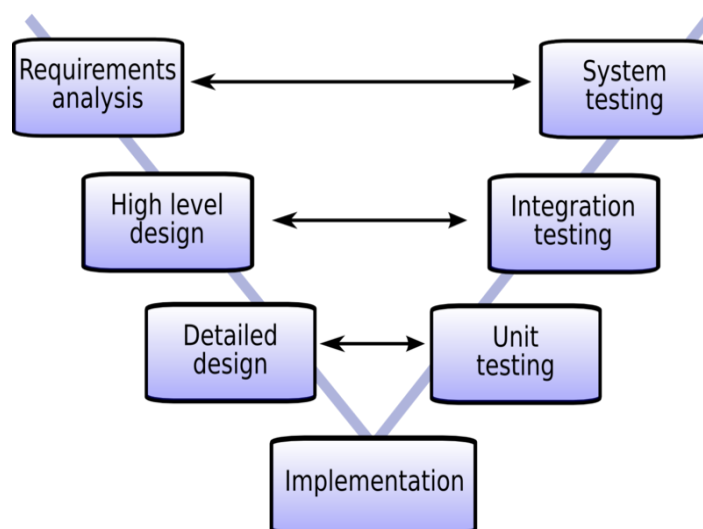


Figure 3.9: V-Model

3.10 Main features of Lravel

Verification

Verification is a prototypical range of any modern net application. Composing confirmation in one-of-a-kind systems such as Code igniter can take a parcel of your improvement time.

Reliability

Laravel provide the best reliability. Laravel represents an instinctive way to make firmly closed web applications. Laravel provides security from SQL infusion assaults additionally break out all individual inputs to keep absent from the infusion of any script labels.

Accumulation

Accumulation is a method to shop records in a temporary storage region and can be retrieved shortly when needed. Generally accumulation is utilized to expand the execution. Laravel accumulation nearly all data from seem to courses. That's makes a difference Laravel to play down the handling time for this basis expanding the execution.

Interchangeable

Measured quality is the recognition to which a web application's components can be isolated and reconnect. User will be able cut up the undertaking rationale into different reunite which all work collectively to form a web useful utilitarian

Representative

Utilizing Emissary user will run the foremost common undertaking on your distant off servers from inside the application. . It also favours user to set up assignments for sending.

Localization of function

Laravel permits user to form a multilingual application at the break even with time user developing their application.[7]

3.11 Main Reason of Using Learning Lravel

- •Laravel endeavours to require the throb out of advancement by means of easing common obligations utilized within the larger part of web ventures, such as confirmation, steering. With its various useful facets it lets developers construct their websites fast. Also, it's very fluent, consumer pleasant and effortless to research and understand.
- A secluded bundling machine with reliance administration. This potential User will be able easily include functionalities to user Laravel app notwithstanding composing them.
- A convenient, advanced enhancement environment. Residence offers builders with all the gear basic to improve Laravel line out of the area.
- Programmed testing. Computerized exams are provided as an quintessential portion of Laravel.
- Provide whole authentication system.[8]

3.12 WordPress

WordPress.com is a platform for self-publishing that is popular for blogging and different works. It is owned and operated through Automattic. Uses of WordPress helps to develop a real estate and property of web area. WordPress is a system that lets to create pages or posts barring having to learn all that complicated HTML code. WordPress approves builders to create their own database abstraction layers. WordPress is a web, open source site creation gadget composed in PHP.

CHAPTER 4

PROJECT OBJECT OF “E-LEARNING MANAGEMENT SYSTEM

4.1 Overview

E-learning system is around the world prevalent concept which give client neighborly environment information and allow understudies a chance to memorize. . E-learning management system is online based platform. Where students who are flexible to learn from home can use this system. This system will help students to learn any course in short time through online. As per illustration the framework gives can be made utilize of the enlisted individuals select their interested course and provide exam after completing their course and instructor will donate score on the specific course. Through this system teacher track and monitor a student progress in short time. This system will help student to get a good job according to their learning Experience. Students could buy course through this system and they will pay through Bikas and Credit Card.

4.2 Requirement Analysis

I analysis almost all requirement in this web base Software. Where registered people can login and entered this System In to begin with the interested understudies get enlisted by selecting their craved username and secret word and by giving vital points of interest. Each individual will enlist as it were one time. Points of interest of each individual together with their username and password is spared for all time within the database. After giving the right username and secret word the client log in to the e-learning system's homepage. There the students can select the accessible subject of assist learn almost them.

After registration student can buy course, choose course, give Exam, and make payment, Search course and after complete their course they will get certificate. After Registered teacher can contact with the students, take exam and manage the exam score. Admin will approve and dis approve the authenticate user.

4.3 System Analysis

For developing the system font end part totally done by me but in framework part was done by me and used laravel frame work in backend that achieved automatic processing for the part of the designing. For using Lravel composer must installed in pc. In the framework part the team members of this system also help me to install the composer. To begin with download the Laravel installer utilizing Composer.

Once introduced, the Lravel modern command will make a new Laravel establishment within the registry indicate. For occurrence, Laravel unused web journal will make a catalog named web journal containing a new Laravel establishment with all of Laravel's conditions as of now introduced. All of the arrangement records for the Laravel system are put away within the config registry.

4.4 Flow chart of E-Learning Management System

This flow chart show that the login and payment activities. After user registration then need login first. User will Login with Id and password. If Id and Password is valid then they successfully log in in the system otherwise this system shows invalid id or password. The condition for payment. After choosing any course user must paid the course fees. Condition will check course fees is paid or not if yes then access

internal materials like learn course, give exam. If course fees is not paid then go to the pay for course.

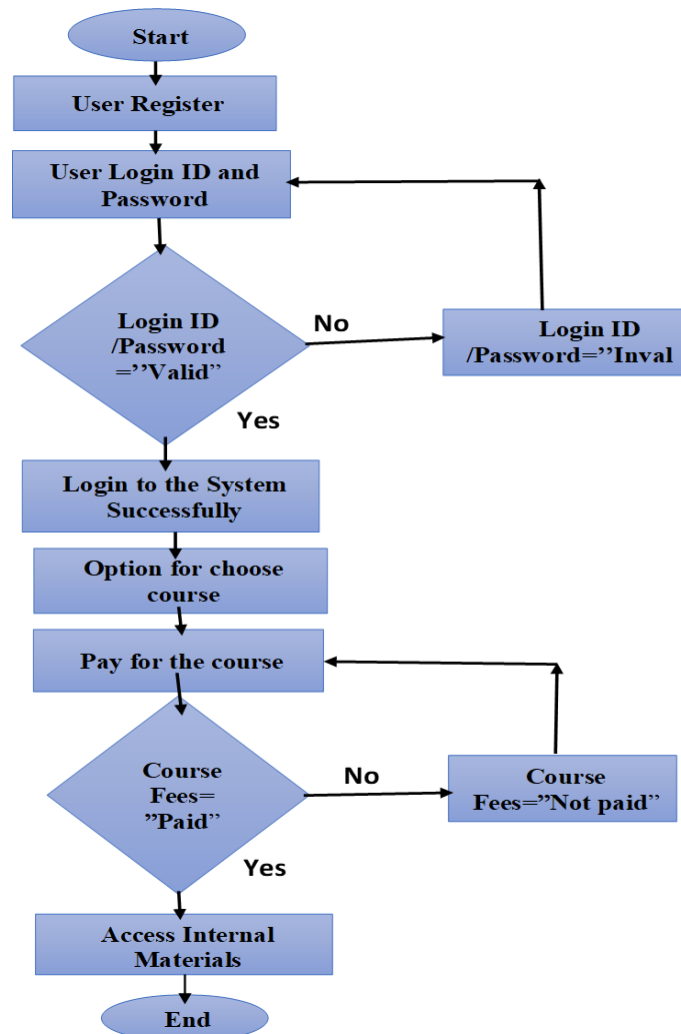


Figure 4.4: Flow chart of E-Learning Management System

4.5 DFD (Data Flow Diagram)

This diagram is a strategy of graphical basic assessment and data structures plan, which depicts the sources outside in appreciate to the framework, beneficiaries of information, consistent capacities, data streams and records stores that are gotten to.

System in this use case diagram are Students, Teacher, and Admin who perform the different type of use case .Major elements of the use case diagram of E-Learning Management System. The relationships between and among the actors and the Use case of E-Learning Management System. **Students:** Register, Login, Choose course, Make payment, give exam, discount, give certificate, search materials, buy course, job offer, contact, logout. **Teacher:** Register, login, took class, Manage score, manage exam, search materials, Contact, Logout. **Admin:** Register, login, search materials and approve.

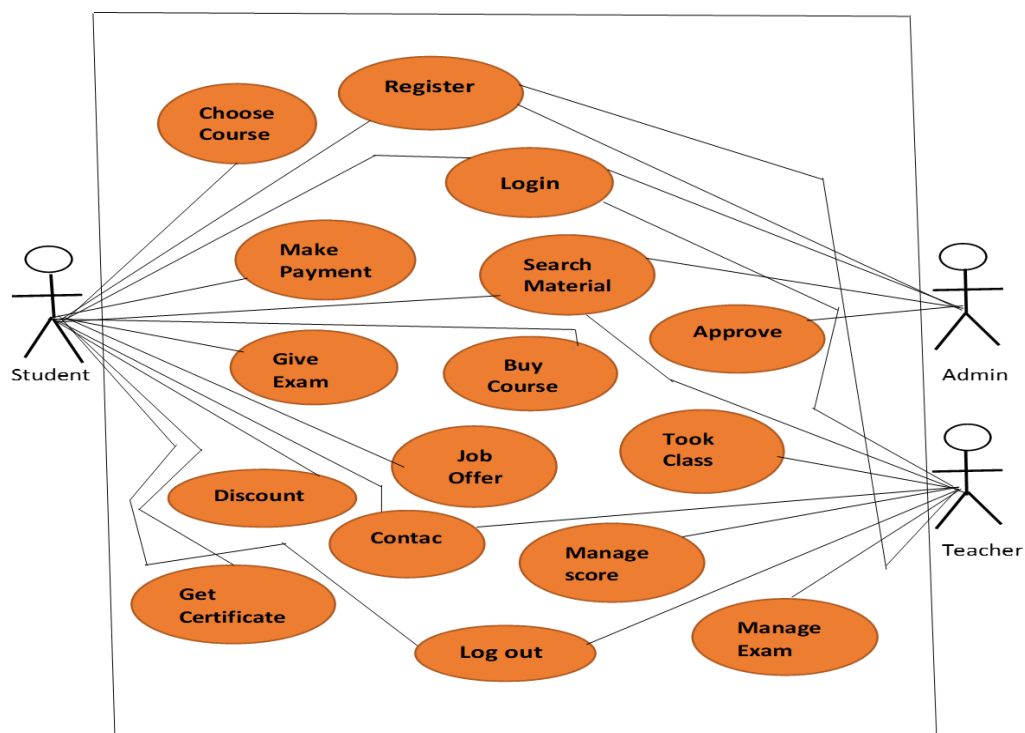


Figure 4.6: Use Case Diagram

4.7 ER (Entity Relationship) Diagram

The ER diagram represents the model of E-learning Management System Entity. The Entity relationship diagram of E-Learning Management System show all the visual instrument of database-Learning Management System entities and their attributes.

Student Entity: Student name, Student id, student password. **Course Entity:** Course Title, Course duration, Course Level, course type. **System Entity:** System name, system section, system description. **Admin Entity:** Admin id, admin name. **Login Entity:** Login username, Login password. **Teacher Entity:** Teacher id, Contact, Teacher Name. Student need login, Take Course. Course provide to the system, Admin approve students, and need login, Teacher need login and manage student.

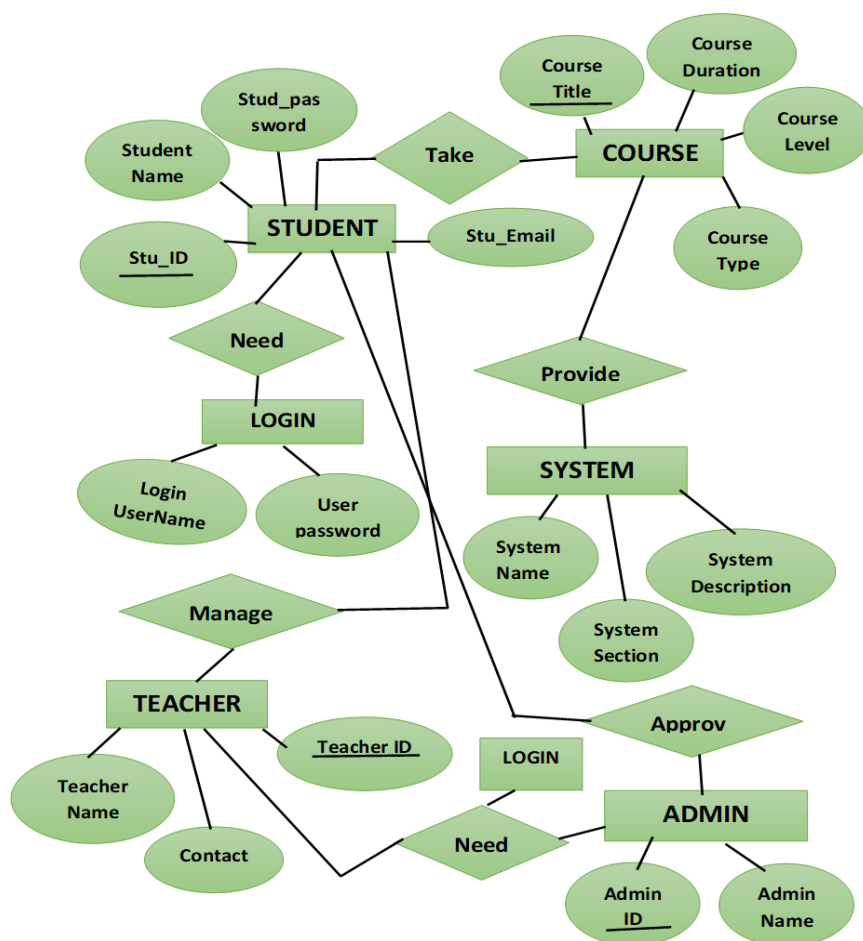


Figure 4.7: Entity Relationship diagram of E-Learning Management System

CHAPTER 5

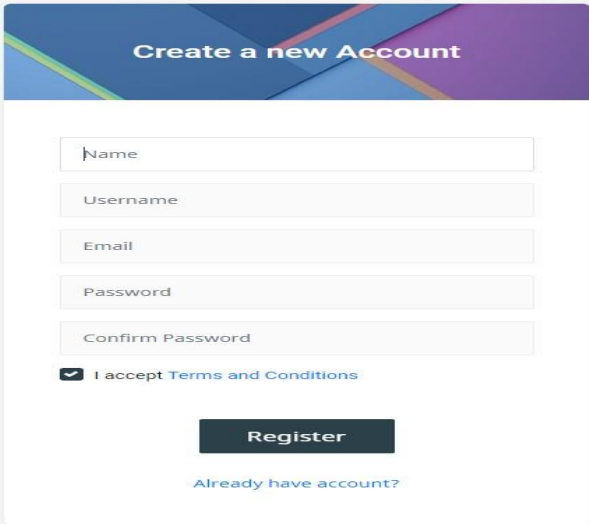
PROJECT RESULT

5.1 Overview

Project end result describes the output of my assignment and exhibit the implementation of my project. Results essentially refer to any specific output or quit factor that comes as a end result of the completion of the things to do or processes.

5.2 Registration Panel

User need registration first with their name, User name Email and password. If they have already an account then they will click already have an account. Otherwise they have to create their new account.



The image shows a registration form titled "Create a new Account". The form is set against a light gray background. The title is in a blue and purple header bar. Below the title, there are five input fields: "Name", "Username", "Email", "Password", and "Confirm Password". Below these fields is a checkbox labeled "I accept Terms and Conditions" with a blue link "Terms and Conditions". At the bottom of the form is a dark gray "Register" button and a blue link "Already have account?".

Figure 5.2: Registration panel of E-Learning Management System

5.3 Login Panel

If user have password and username the will automatically login to the system. If they forget their password then click forget password. The information will save in Database.If they want to create an account then they will click create account.

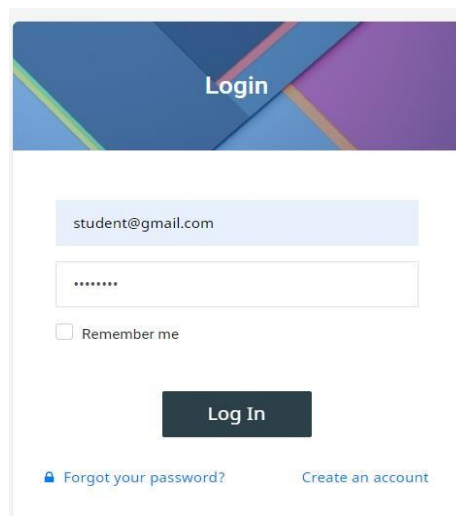


Figure 5.3: Login panel of E-Learning Management System

5.4 Students Activities panel

After Login to the system students can show the contact message from admin or teacher. They can also read the blog post, go to the live site and logout.

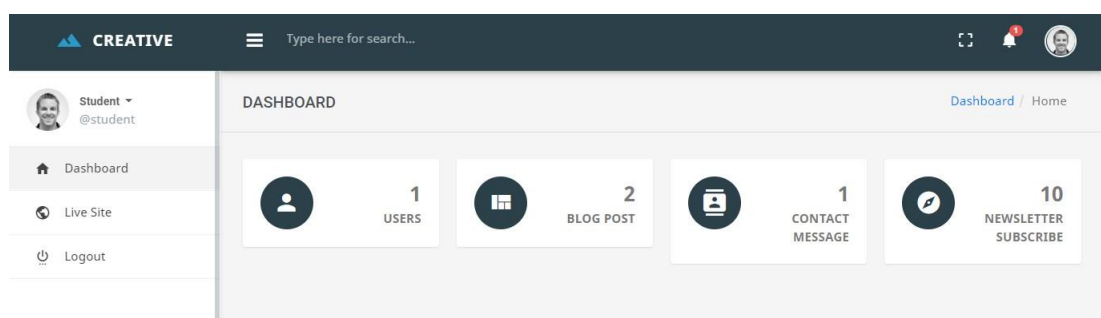


Figure 5.4: Students Activities panel of E-Learning Management System

5.5 Home Page

Here is the home page of E-Learning Management System. Home page is divided into different section. After click the live site option students will entered the home page.



Figure 5.5: Home page of E-Learning Management System

5.6 All Course

Here is given of class time, Duration of the course, course details, class schedule and price of course. Students can choose course from here .If student pay full within fixed date then they will get discount.



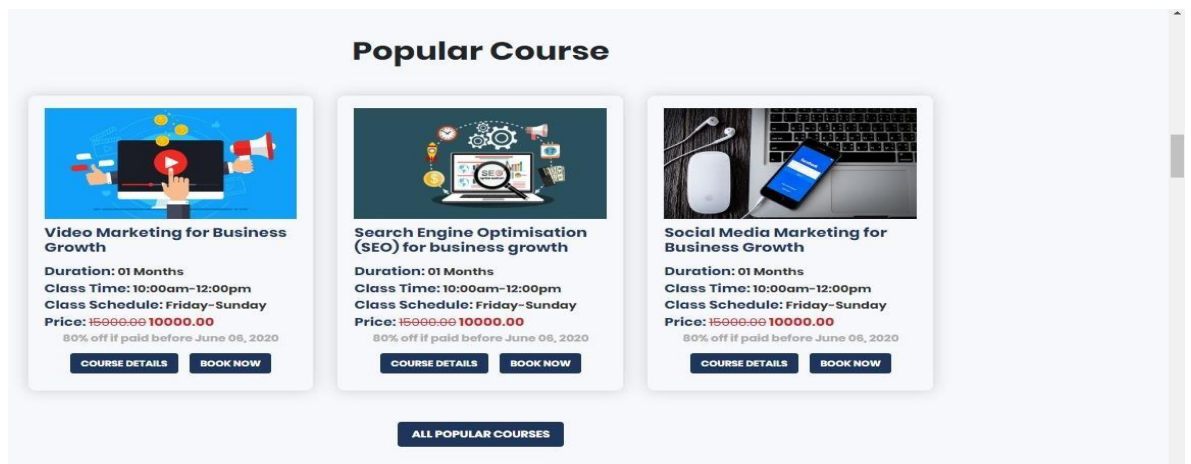


Figure 5.6: All course of E-Learning Management System

5.7 Benefits of the system

Students will get certificate after complete the course, they will get live project experience and learn from expert, placement assistance

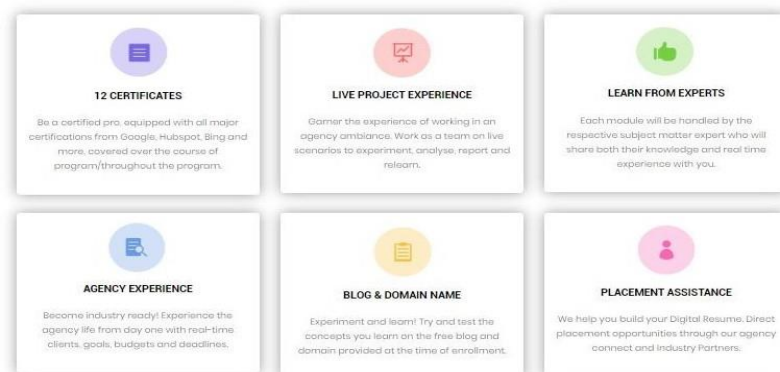


Figure 5.7: Benefits of E-Learning Management System

5.8 Job offer

After complete course student can get job offer through this platform. System will automatically suggest job for students. Students can place different company after complete the course. Here is divide the job section freelancer, part time and full time.

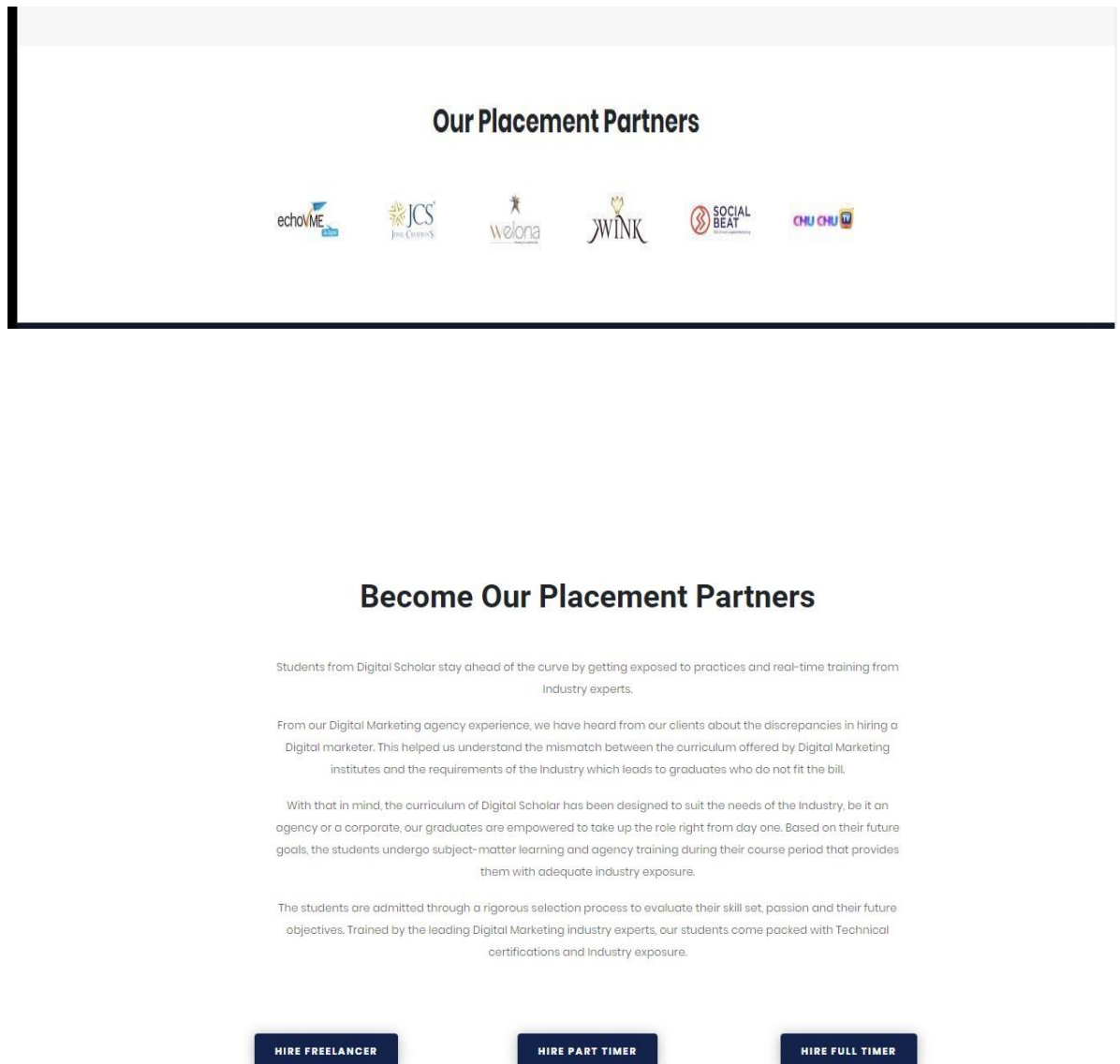


Figure 5.8: Job offer for students through E-Learning Management System

5.9 Admin Panel

How many user Login to the system and user contact will save in backend. Admin will maintain this part. Admin can add user, delete user and search from backend and sent message to the students.

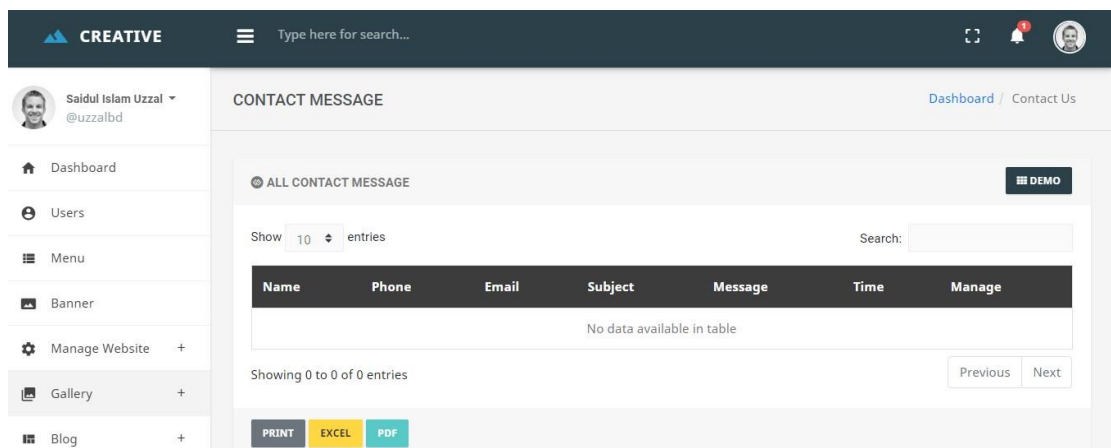
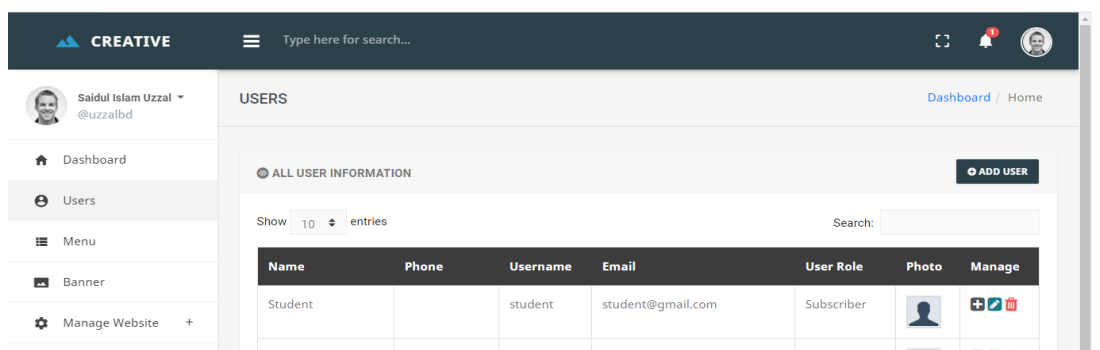
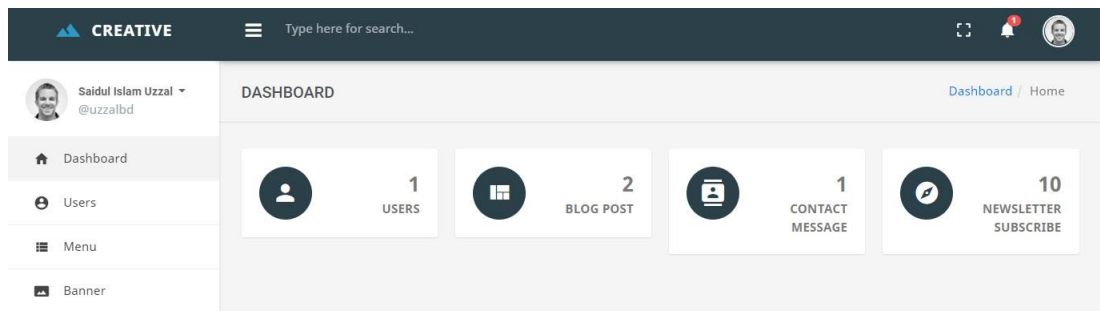


Figure 5.9: Admin panel of E-Learning Management System

5.10 Other Activities of Admin

Here admin can Manage Activities like add block post in the website, add course and manage the website.

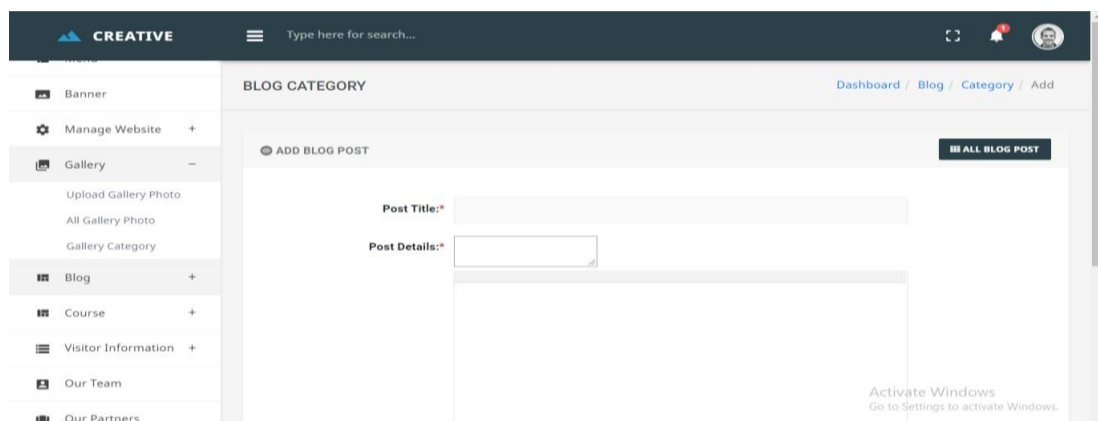
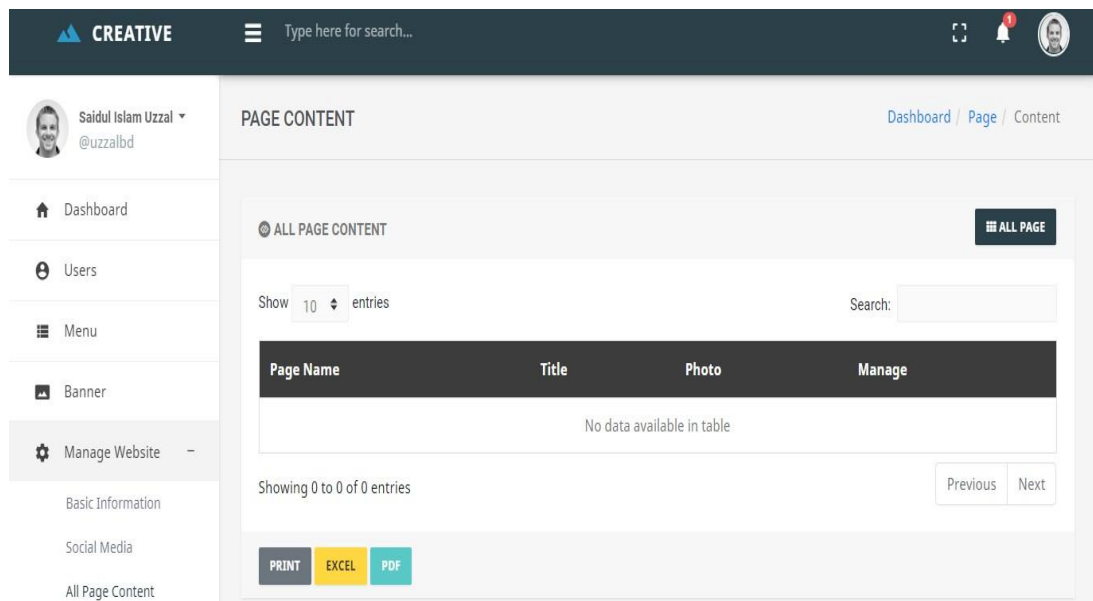


Figure 5.10 Admin Activities of E-Learning Management System

CHAPTER 6

OTHERS PROJECT

6.1 Overview

In digital hub solution ltd I have also worked in another website .Here I have designed Logo, developing content and upload picture and also gather knowledge on WordPress. Logotype is a graphic representation or symbol of an organization name, trademark, and abbreviation. A Logo is a sketch symbolizing ones organization. Often uniquely designed for prepared recognition. Content improvement is researching, producing, and publishing data to meet a strategic goal.

6.2 Logo design

I have designed the logo in this website.



Figure 6.2: Logo of ekusheyboimela

6.3 Content Development

I have developed all the content in this this website

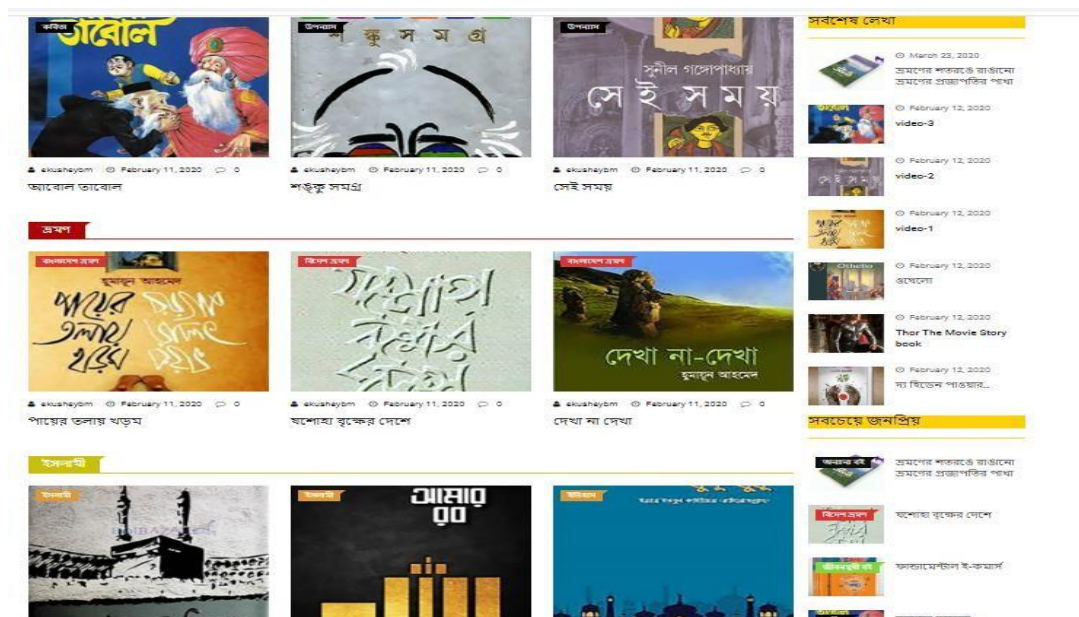


Figure 6.3: Content of ekusheyboimela

6.4 Website Development

I have also developed this website.

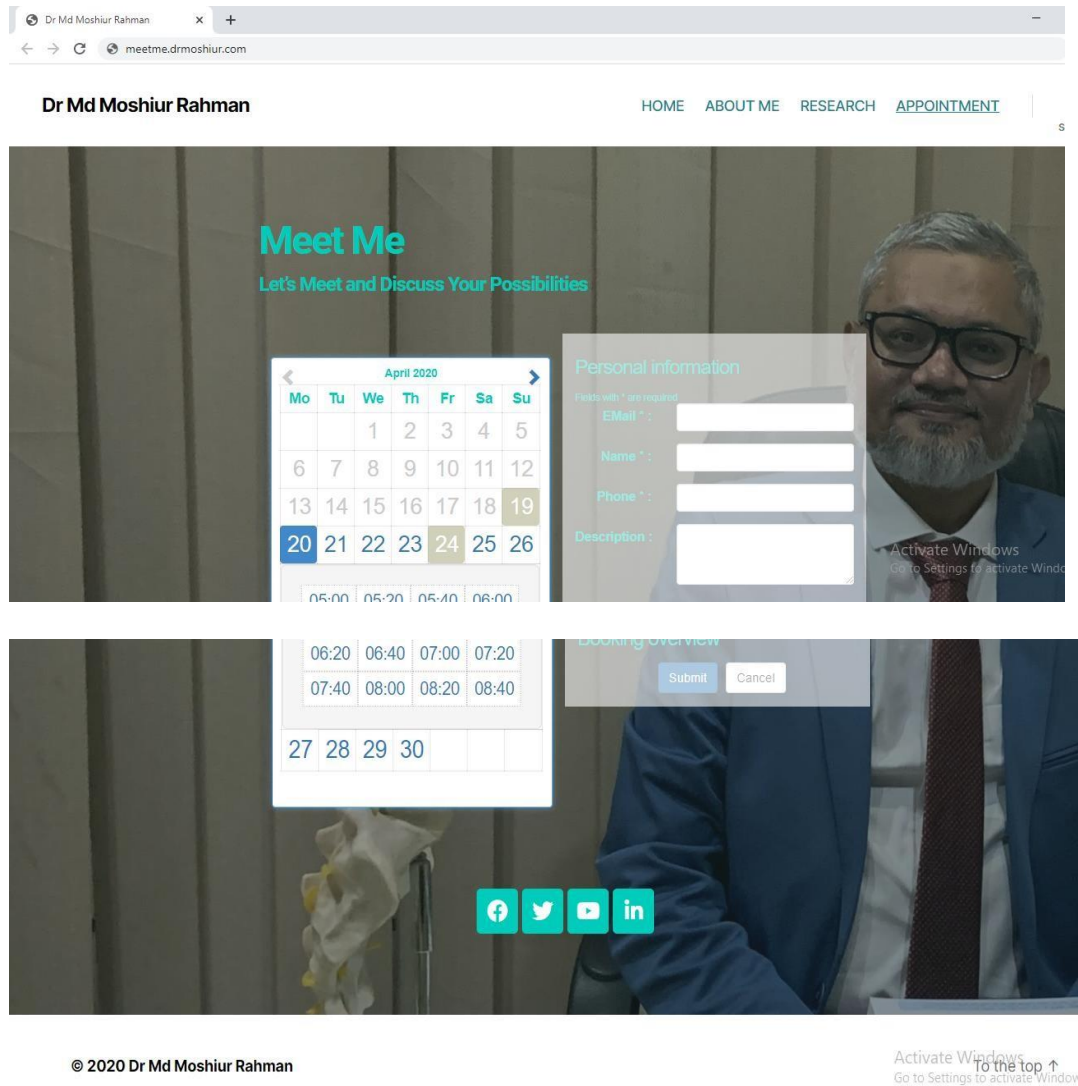


Figure 6.4: Website of Dr Md Moshir Rahman

CHAPTER 7

CONCLUSION

7.1 Conclusion

During my Internship period I have gathered excellent experience. I spent in developing and learning new languages was well. I have had the best experience there, as I technical learner I learned a lot. During my internship period I learned important major things, first of all how to be punctual about time and secondly how to motivate myself and others. I also learned how to work in the team and how to manage a team. I believe that my time which I spent in developing and learning new languages was well. While working in a professional field, it is very important to complete the tasks assigned to the clients at my own responsibility within the given time. I learned practical work and got idea about new language and frame work as I was totally new in Laravel frame work at first.

Working on the web based platform and others project I faced a lot of problem. It was totally challenging for me. Because I had never work before that kind of large project. Which took many days to find the solutions of the problem. It's also help me to decent look of my project and increase knowledge about developing real time project. According my internship period I have learned many important element that helped to develop my skills and knowledge. I have also learned to developed blog sites. With the help of team members of digital hub solution ltd I am able to make a web based platform. In the industry group workability is the most important thing because it's give respect to the other employee. I have learned how to adapt to a professional environment and work in a team of developers. My confidence has increased dramatically with my skills as a Web developer. I am prepared to work in

an organization and contribute to the growth and profit with all the skills that I have acquired. At last I want to say my practical technical work in the internship will help to build up my future carrier and it boosted my level of confidence and team working.

7.2 Reference

[1] "Company Profile", Digital Hub Solution Ltd. [Online].Available: <https://digitalhubltd.com/>. [Accessed: 12-March-2020].

[2] "Mission Vision", Digital Hub Solution Ltd. [Online].Available: <https://digitalhubltd.com/>. [Accessed: 14-March-2020].

[3] "Overview". [Online].Available: https://www.tutorialspoint.com/laravel/laravel_overview.htm, Tutorialspoint 2020. [Accessed: 20-March-2020].

[4] "Laravel, Html, Css3, Bootstrap4, Jason, Php, Ajax and Xml. [Online].Available: <https://www.w3schools.com>. [Accessed: 22-March-2020].

[5] "Laravel compare with others similar option". [Online].Available: <https://hackr.io/blog/django-vs-laravel>. [Accessed: -25 March-2020].

[6] "Incremental Model, Agile and V model". [Online].Available: www.guru99.com/what-is-incremental-model-in-sdlc-advantages-disadvantages.html. [Accessed: 29-March-2020].

[7] "Key features of Lravel". [Online]. Available: <http://www.laravelinterviewquestions.com/blog/top-10-key-features-of-laravel-framework-njy/>. [Accessed: 03-April-2020]

[8] "Reason of using Learning Lravel" [Online].Available: <https://www.toptal.com/laravel/why-i-decided-to-embrace-laravel>, Developers 2018. [Accessed: 11-April-2020]